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**2012-2013
REGISTRATION GUIDE**

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REGISTRATION PROCESS

Each year, with the advice and consultation of parents or guardians, students should seriously consider their educational and career goals and develop a program of study to work toward those goals.

In planning for the 2012-2013 school year, students and parents should consider:

1. Do the courses meet graduation requirements?
2. Do the courses meet the student's needs for anticipated college or career choice?
3. Do the courses match this student's ability level and expand or develop his/her interests?

This Registration Guide will help students and parents plan a high school program based on these selected goals. Parents are highly encouraged to be actively involved with their student in selecting an appropriate program of courses for the coming year by:

1. Reading and discussing this Registration Guide with their student.
2. Reviewing the Progress Reports and Student Report Cards.
3. Discussing the appropriate course selection with the student's current teachers and counselor.

Teachers and the high school counselor will assist with this planning, but the final decisions in program planning are reserved for students and parents. Please contact your student's school counselor at North High School at (630) 795-8470. Additional course planning tools are available on each school's Student Support Services website.

REGISTRATION DATES

Class of 2013 Registration	February 3, 6, 7, 8, 9
Class of 2014 Registration	February 13, 14, 15
Class of 2015 Registration	January 31 & February 1, 2
Class of 2016 Open House	February 9
Class of 2016 Registration	February 11
Course Confirmations	Mailed in Late May
Fee Payment Information	Mailed in July

DEFINITION OF TERMS

CREDIT is the measure of school achievement. A student receives one-half credit for successful completion of the work in a course that meets daily for a minimum of one period for one semester. A student receives one credit for successful completion of work in a course that meets daily for one period for a full year. For students who transfer from another school, credits will be evaluated to determine what classes are needed for the student to meet District #99 graduation requirements.

A **PREREQUISITE** is a course or condition which a student must complete or meet before the course may be taken.

A **REQUIRED COURSE** is a course which a student must successfully complete in order to earn a District #99 diploma.

An **ELECTIVE COURSE** is a course which a student may choose to take to earn a District #99 diploma.

REQUIREMENTS FOR GRADUATION

A minimum of 22 credits is required for graduation from Community High School District 99. Of the 22 units of credit required for graduation, a total of 17 ½ credits must come from the areas as listed below.

ENGLISH/LANGUAGE ARTS **4 Credits**

PHYSICAL EDUCATION **4 Credits**

A student must be enrolled in Physical Education each semester the he or she is enrolled in school. Enrollment in Health and Driver Education is considered enrollment in Physical Education.

DRIVER EDUCATION-The classroom phase of Driver Education is required of all students. Safety education is a part of the instruction. Driver Education fulfills 1/2 credit of the 4 credit Physical Education requirement. In order to be eligible for Driver Education, the State of Illinois requires students have passed eight courses (four credits) during the previous two semesters prior to taking Driver Ed.

HEALTH-The required health course fulfills 1/2 credit Physical Education requirement. The Health course must be taken during the sophomore year.

MATHEMATICS **3 Credits**

At least one credit must be earned in an Algebra course and one in a Geometry course.

SOCIAL STUDIES **3 Credits**

One credit of Global Connections, one credit of United States History, and one credit of Social Studies Electives selected by student.

SCIENCE **2 Credits**

One credit must be earned in a Biology (Life Science) course, and one credit must be earned in a Physical Science course.

CAREER AND TECHNICAL EDUCATION **1/2 Credit**

This requirement may be met by successfully passing a course in Business, Family and Consumer Science, Industrial Technology, or a course taken through the Technology Center of DuPage.

FINE ARTS **1/2 Credit**

This requirement may be met by successfully passing a course in Art, Music or specified courses in the English area.

CONSUMER EDUCATION **1/2 Credit**

This requirement may be met by successfully passing any of the following courses: Consumer Math (Mathematics), Personal Economics (Social Studies) or Consumer Education (Career and Technical Education.) The Consumer Education course also meets the Career and Technical Education requirement. Personal Economics also meets one semester of Social Studies elective graduation requirement. The full-year course in Consumer Math also meets the Mathematics requirement. In order to meet the Consumer Education requirement by taking the Consumer Math,

a student must complete the full-year course. A student may not receive credit for more than one consumer course.

PRAIRIE STATE ACHIEVEMENT EXAM (PSAE)

All juniors (and seniors who have not yet fulfilled the requirement) are required to take the PASE test in April of their junior year. The 2-day test consists of a full ACT Exam and the Work Keys Assessment.

CONSTITUTION TEST

Each student must pass examinations on the federal and state constitutions, Declaration of Independence and the proper use and display of the American Flag. The test is given as a part of the US History courses.

POST-SECONDARY PLANNING

Requirements for college admissions vary from school to school. Below are some guidelines that will help assure the student will have the appropriate high school courses. The Illinois State Board of Higher Education has set the following requirements for the class which will be admitted to the state universities this year. It is recommended all college bound students attempt to meet these requirements.

- 4 credits of English
- 3 credits of Mathematics (Algebra, Advanced Algebra, Geometry)
- 3 credits of a Laboratory Science
- 3 credits of Social Studies
- 2 credits of the same foreign language, Art, Music, or Drama

Most college and universities highly encourage students to take four years of Mathematics (up through Advanced Algebra Trig) in order to properly prepare for post-secondary study in Mathematics. Some selective universities expect four-year sequences in these college preparatory subjects. In addition to course requirements, colleges consider grades and college admission test scores. Many colleges are especially concerned about the student's senior year. Therefore, **seniors should be sure to plan a challenging program for their final year in high school.** To learn the admission requirements of a particular school, students should check the current college website for accurate information about courses, grades, rank, and recommendation requirements. The personal recommendation required by some colleges includes input from school personnel on such characteristics as ability, motivation and responsibility. It also may include a statement about participation and leadership in extracurricular activities. One of the most heavily weighted areas of consideration in the college admission process is the rigor of a student's high school academic record. Close scrutiny is given in assessing if the student took the most challenging courses possible. Colleges place emphasis on the high school grades which a student has earned because these grades are the best predictors of success in college. The semester grades of all students are averaged cumulatively and percentile ranks are assigned.

Most colleges require each applicant submit scores from a college admission test, typically the College Entrance Examination Board (SAT I) or the American College Testing organization (ACT). Testing schedules, bulletins of information and applications for these exams are in the Counseling Office, Room 128. Students are strongly encouraged to work closely with their counselor in the post high school planning process. Parents and students are encouraged to use the Student Support Services webpages for pertinent post high school planning found on the North High webpage www.csd99.org/north.

The National Collegiate Athletic Association (NCAA)

The National Collegiate Athletic Association (NCAA) has established initial academic eligibility requirements for participation in college athletics at the Division I and II levels. These requirements are certified through the NCAA Eligibility Center. Student-athletes are recommended to apply online to the NCAA Eligibility Center after sixth semester grades are posted. Students are encouraged to meet with their high school counselor for additional information. More information can be found at:

www.eligibilitycenter.org or call toll-free at 1-877-262-1492

The NCAA Eligibility Center has approved the following District #99 courses for use in establishing the certification of student-athletes.

ENGLISH

AP English Language & Composition	English IV: Journalistic Expression & Media Literacy
AP English Literature & Composition	English IV: Literary Expression
English & Communication I, II, III	English IV: Oral Expression
English IV: Effective Expression	English IV: Realms of Possibility
English & Communication I, II H	English IV: Transformations and Triumphs
English IV: Critical Lenses	English IV: Voices from the Edge
English IV: Cultural Transitions	English IV: Written Expression
English IV: Humanities/Critical Expressions	

MATHEMATICS

Advanced Algebra & Trig 200 & 300	Discrete Mathematics with Statistics
Advanced Algebra & Trig 400 H	Geometry 200 & 300
Algebra 300	Geometry 400 H WT
AP Calculus AB & BC	Pre-Calculus 300
AP Statistics	Pre-Calculus 400 H WT

SOCIAL SCIENCE

American Economy	ESL US History
American Government	Essentials of Geography
Ancient Medieval History	Global Connections 300
Anthropology	Issues/World Cultural Geography
AP European History	Law in American Society
AP Microeconomics	Modern World History
AP Psychology	Psychology
AP US Government and Politics	Sociology
AP US History	Sociology of Gender
Bilingual Global Connections	U.S. Foreign Policy
Contemporary American Issues	U.S. History
ESL Global Connections	

NATURAL/PHYSICAL SCIENCE

Anatomy & Physiology	Chemistry 300 & 400
AP Biology	Earth Science 300
AP Chemistry	Electricity/Electronics
AP Physics C	Physical Science 300
Bilingual Biology	Physics 300
Biology 300	Physics 400 H WT

Biology II: Research Question in Biology
Biology 400 H WT

Research Topics in Earth Science

ADDITIONAL COURSES

AP French
AP German
AP Spanish
French 1, 2, 3
French 3 H WT
French 4
French 5 WT

German 1, 2, 3
German 3 H WT
German 4
German 5 WT
Spanish 1, 2, 3
Spanish 3 H WT
Spanish 4
Spanish 5 WT

OCCUPATIONAL AND CAREER PLANNING

The District 99 graduation requirements and elective program are designed to prepare students for life after graduation whether the student is college bound or ready for the world of work. The student who plans to enter the job market upon graduation should keep in mind what employers look for in the educational programs of potential job applicants and choose their courses accordingly. Many employers who wish to hire high school graduates are seeking the following skills and qualities in their employees:

- English and mathematical skills
- Technical skills
- Solid or improved grades
- Good attendance record
- Unquestionable integrity
- Leadership skills
- Positive attitude toward work
- Neat appearance

During the freshman and sophomore years, enrollment in introductory courses in Career and Technical Education can be useful in exploration of potential careers. Junior and Senior students should investigate the opportunities available for career development at the Technology Center of DuPage (TCD) or in the Cooperative Education program, which includes Cooperative Work Training, Marketing Education, and FCS Cooperative Education. Students interested in a career in teaching should also consider the experience offered through the Introduction to Teaching course.

Career planning is necessary for both college bound students and those planning to enter the work world immediately after high school. Career information is available in the Library and in the Counseling Office, Room 128. The Counseling Office has several computerized information programs available to students. Students are encouraged to seek the help of their school counselor in making post-secondary decisions.

ADVANCED PLACEMENT INFORMATION

The content in the following courses may prepare students to obtain advanced placement credit based upon successful completion of advanced placement tests:

AP Art History	AP European History	AP Studio Art: Drawing & Painting
AP Biology	AP French	AP Studio Art : 2D Design (Design)
AP Calculus AB	AP German	AP Studio Art: 2D Design (Digital Photography)
AP Calculus BC	AP Microeconomics	AP Studio Art: 2D Design (Computer Design)
AP Chemistry	AP Physics	AP Studio Art: 3D Design (Ceramics)
AP Computer Science A	AP Psychology	AP Studio Art: 3D Design (Jewelry & Metalwork)
AP English Language & Composition	AP Spanish	AP U.S. Government & Politics
AP English Literature & Composition	AP Statistics	AP U.S. History
		Theory of Music & Harmony

ATHLETIC AND STUDENT ACTIVITY ELIGIBILITY

All students are required to maintain a full load of six credit courses (3 credits each semester.) Students who participate in athletics and student activities are subject to academic eligibility requirements that are defined by the Illinois High School Association and Community High School District 99 policies. Eligibility is determined on both a weekly and semester basis. In order to be eligible for participation during a given week, a student must be passing at least five semester credit courses (2.5 credits.) At the end of the semester, in order to maintain eligibility for the following semester, a student must have passed at least five semester credit courses (2.5 credits) for the entire semester.

AUDIT OF A CLASS

Occasionally, a student may find it beneficial to audit a class. Teacher approval is required before a student may enroll in a course on audit status. Any student auditing a class is expected to complete all course assignments, participate in class discussions, and complete all work as assigned by the teacher. An audit carries no credit or honor points. Students interested in auditing a class should consult with the teacher and school counselor. Courses that are audited do not count toward the five class minimum required under the Athletic/Activity Eligibility Guidelines. **Audit forms must be submitted within the first three weeks of the semester.**

CHANGING COURSE REQUESTS

The decision to take a course is an important one. Course additions and/or deletions from the initial registration will be based on the criteria listed below. Questions pertaining to schedules need to be addressed with the school counselor.

- Scheduling errors – i.e. two classes during the same period, no lunch scheduled, no PE scheduled, registered to take a class previously completed
- Failure or near failure in a prerequisite course
- Unusual family circumstances
- Successful completion of a summer school course
- Post high school admission requirements

Course changes are generally not allowed and very rare. If a request is made, it is essential for questions pertaining to schedules be addressed prior to the end of the school year.

COURSE LOAD

State law requires all students to be enrolled and in attendance not less than 300 minutes a day. **District 99 requires students to be enrolled in three (3.0) course credits per semester (six credit classes) as a minimum.** Lunch does not count toward the 300 minute minimum requirement.

To assure all students meet this requirement, students will normally earn six (6) credits per year. Students may request a maximum of seven (7) classes per semester in order to enrich their academic program. This programming allows students to more easily take electives. Students involved in athletic or co-curricular activities should be aware of the athletic and activity eligibility as described in this guide.

CRITERIA FOR COURSES TO BE TAUGHT

District 99 has an extensive curriculum with many courses offered to meet the different ability and interest levels of the students. It should be noted, however, merely because a course is offered does not mean it will be taught. Courses will be taught only if there is sufficient student enrollment. This is also true of courses which are sequential in a program. Thus, the third or fourth year of a program may not be taught unless there are a sufficient number of students registered. In some instances, the total course enrollment from both North and South High Schools may be considered. This may result in the course being taught at only one high school.

COURSE REPEATS

A student with appropriate counseling from their school counselor, classroom teacher, parents, and department chair may request to repeat a passed course in any area where mastery of skills at one level is needed in order to successfully proceed in a sequence. The practice of repeating a course applies to a course where a student has earned a passing grade.

A student repeating a course will receive the grade points from the course taken the second time even if it is lower than the first grade earned. The course and grade for the first time the course was completed will remain on the transcript. Credit is earned only once. Students repeating a course due to a course failure will retain the failing grade on their transcript and the failing grade will remain as a part of their cumulative GPA. Courses taken as repeated courses do not count toward the five class minimum required under the Athletic and Activity Eligibility Guidelines.

DUAL CREDIT

Students who successfully complete the Introduction to Teaching Course will receive District 99 credit and College of DuPage college credit. At the completion of the course, students must contact COD to request a transcript.

EARLY GRADUATION

Each student is encouraged to think carefully about both immediate and long-term goals when contemplating an early graduation request. District 99 does not encourage early graduation. However, if a student perceives a need to graduate early, both the student and parent must be involved in the process. **The application for early graduation is initiated with the counselor and should be completed prior to the beginning of the final semester of enrollment.**

GRADE LEVEL ASSIGNMENT

All students are assigned grade level status by the number of earned credits and the number of years of high school experience, as stipulated in Board Policy 7.305. The reason for and benefits of this policy change are as follows:

- Lack of progress toward a diploma sounds an alarm to students, parents, and school staff about the need for intervention. Earlier intervention assists students in remaining on track for graduation.
- Credits serve as a tangible benchmark for students and parents as progress toward earning a diploma. A policy that emphasizes earning credits encourages students to achieve rather than accrue seat time.
- Regular progress toward a diploma, not seat time, will entitle a student to rights and privileges.
- Students will take high stakes standardized assessments only after earning at least ten credits of high school work and thus will be better prepared to achieve state standards.

Based on the 22 credit graduation requirement and the policy requirements, the following chart reflects the criteria for grade level assignment:

Grade Level	Years of High School Attendance	Credits Earned Prior to Start of the School Year
Senior	3	15
Junior	2	10
Sophomore	1	5
Freshman	<1	<5

Grade level determination will occur *after* each summer school session to allow for students deficient in credit to access summer school opportunities in order to meet the minimum number of credits required to move to the next grade level.

INDEPENDENT STUDY

Independent Study is an alternative program intended to meet the needs of those students who have demonstrated a high degree of responsibility and who possess the aptitude to pursue coursework with minimal teacher contact. Students study under the supervision of a teacher and complete credit requirements without attending regular class sessions. Independent Study provides opportunities for academic enrichment beyond what is offered in the published curriculum or accessibility to coursework which cannot be scheduled. A student may take only one Independent Study course during a semester. Any student interested in Independent Study should consult with the subject matter teacher and counselor. Teacher approval is required to participate in this program. Lab fees may be charged as applicable. **Independent study forms must be submitted within the first three weeks of the semester.**

PASS-FAIL

Rather than receiving a traditional grade, students may choose the pass-fail grade option in Keyboarding/Formatting and all music courses. The following conditions will apply to a student seeking pass-fail grading:

1. A student must declare in writing, accompanying parent's signature, his/her desire to be graded on a pass-fail basis by no later than Monday of the fourth week of each semester, except in Keyboarding/Formatting, in which case the deadline is at the end of the sixth week. The deadline for students enrolled in Keyboarding/Formatting opposite lunch is the end of the first quarter. Otherwise, traditional grading procedures will be utilized.
2. The pass-fail grade will be recorded on the student's report card at the first quarter and the semester as well as on the permanent record.
3. Pass-fail option courses may be counted as credit for graduation but will not count in calculating GPA and class rank.
4. A student who elects the pass-fail option is expected to meet the same course requirements and will be evaluated by the same procedures as are other students.

PHYSICAL EXAMINATION/IMMUNIZATION REQUIREMENTS

9TH GRADE/FRESHMAN REQUIREMENTS:

The School Code of Illinois requires that each student entering 9th grade have a physical examination, on the **Illinois Certificate of Child Health Examination Form**, completed by a licensed physician, an advanced practice nurse or physician's assistant. A physical examination must include: height, weight, blood pressure, BMI, diabetic screening, signatures and dates in order to be considered in compliance. Student records must show proof of immunization series according to the guidelines of the Illinois Department of Public Health; Diphtheria, Pertussis, Tetanus, Polio, Measles (Rubeola), Mumps, Rubella, Hepatitis B and Varicella.

The Health History section must be completed, signed and dated by the parent/guardian of the child.

- **The physical examination must be submitted to the Health Services Office by August 1, 2012.**
- **Students will not be eligible to receive a registration packet on Fee Payment Day unless all required medical information has been submitted.**
- **Freshman students will be excluded on the first day of school, and every day thereafter, until complete immunization records, physical examination and parent/guardian health history have been received and approved by Health Services.**

Please retain a copy of the ninth grade physical with immunization dates for your records.

10th – 12th GRADE TRANSFER STUDENTS:

Students transferring from an Illinois school must present a copy of their ninth grade physical and a complete immunization record at the time of registration.

Students transferring from another state or country **MUST** present current immunization records and physical examination at the time of registration.

Students transferring to an Illinois public school for the first time are required to have a vision examination conducted by a physician or licensed optometrist.

ATHLETIC PARTICIPATION:

If your child will be participating in any of the Athletics programs, the physical examination must be completed AFTER JUNE 15th to ensure participation for the full school year. For Freshman only, the 9th grade physical on the State of Illinois form is valid for twelve months toward athletic participation.

HEALTH CONCERNS:

If your child has specific health concerns, please note these concerns on the certificate of child health examination form. Contact the school nurse at the beginning of the school year to coordinate care and plan for potential emergency response. Update emergency contact information as needed throughout the school year.

MEDICATION POLICY:

Community High School District 99 acknowledges that the responsibility for administering medication to a student rests primarily with the student's parent or guardian. Medication will be administered by district personnel during the school day only when absolutely necessary for the health and well-being of the student. The initial dose of the medication must be given at home.

If medication is necessary, it must be brought to the school in the original container labeled by the pharmacist (or manufacturer of over the counter medications). All medications, including over the counter medications, must be accompanied by the district's medication authorization form completed and signed by both the parent and the physician; each medication must be on a separate form. Medication authorization forms are available in Health Services or on the school web page at www.csd99.org . It is important to note that students are prohibited from carrying medications or keeping medications in their lockers. Only students authorized to self-administer asthma medication or rescue epinephrine are permitted to carry medications on their person.

Questions or concerns regarding the above policies may be directed to the Health Services offices of North High School (630-795-8480) or South High School (630-795-8528).

PROFICIENCY CREDIT

7th and 8th grade students attending a District #99 sender school may be eligible for high school credit in a foreign language course, Algebra or Geometry course taken during 7th and/or 8th grade. Criteria to be considered for such credit is as follows:

- 1. Be a member of the high school graduation class of 2016 or later.**
2. Complete the entire junior high or middle school course which includes that course content identified by District 99 as core or essential
3. Complete and earn a grade of "C" or better on each District 99 semester exam for the corresponding high school course
4. Earn a grade of "C" or better in each of the two semester of study
5. Ensure that official junior high or middle school records of course completion final exam grades, and course grades are transferred to the high school the student will attend as a freshman.

REGISTRATION FEES & REFUNDS

Community High School District 99 assesses a registration and textbook rental fee for all students enrolling at district high schools. Certain courses have an additional laboratory fee assessed to all students who enroll. Some courses also require students to purchase workbooks, additional supplies, or special equipment.

Current refund guidelines are listed below. However, exact fees and procedures are subject to change.

1. No refunds are granted for withdrawing from a specific course. However, a second semester lab course fee will be refunded only if the course is dropped first semester.
2. A student who transfers to another school before October 1 of the school year will receive a partial refund of registration fees plus a refund of any second semester laboratory fees.
3. A student who transfers to another school after October 1 and prior to second semester will receive a small refund of registration fees plus a refund of any second semester laboratory fees.
4. A student who transfers to another school after the start of the second semester will receive no refund.
5. Any student who withdraws from school for reasons other than a transfer to another school will receive no refund.
6. No refunds are given until all textbooks and equipment has been returned to the bookstore.
7. If a student adds a laboratory course with a fee, the appropriate fee per semester will be collected.

NOTE: All fees stated represent the fee from the 2011-2012 school year. Fees are reviewed and determined by the School Board in the spring for the 2012-2013 school year.

SCHOOL DAY

Students will be scheduled for classes or study halls all eight periods. Schedule changes will not be made to accommodate early release or late arrival requests. Any students dropping a course in any period, including 8th period will be placed in a study hall. Only 3 groups of students will be granted an early release:

1. Students having an 8th period Varsity Athletic release approved by the Head Coach and Athletic Director.
2. Students involved in the Cooperative Work Training Courses.
3. Senior students that have been randomly assigned an 8th period study hall will be given early release.

SCHOOL RECORDS

1. Student permanent records will be maintained for a period of sixty (60) years after the student has transferred, graduated or permanently withdrawn from school.
2. Student temporary records (family background information, intelligence test scores, group or individual, aptitude test scores, etc.) will be maintained for five (5) years from the year the student graduates or permanently withdraws from school.
3. The records custodian is responsible for maintaining and updating all student records.
4. A parent may examine a student's records by request in writing to the records custodian. The records custodian shall conduct an informal conference with the parents within fifteen (15) school days of the receipt of the written request.

Upon graduation or permanent withdrawal of a student from school, the records custodian shall be responsible for notifying the parents and/or student of the destruction schedule for permanent and temporary records and of their right to request a copy of such records prior to their destruction.

Upon graduation or permanent withdrawal of a handicapped student (as defined in Ill. Rev. Stat. 1975, Ch. 122, Article 14, the Rules and Regulations to Govern the Administration and Operation of Special Education), psychological evaluation, special education files and other information contained in the student temporary record which may be of continued assistance to the student may, after five years, be transferred to the custody of the parent or to the student if the student has succeeded to the rights of the parents. The school shall explain to the student and the parent the future usefulness of these records.

SUMMER SCHOOL

District 99 will offer summer school at the close of the regular school year. Summer school provides students with the opportunities to enrich and/or accelerate their regular program and to make up deficiencies in credits needed for graduation. Summer school courses will be at South High School during the summer of 2012.

Typically, the courses offered during the summer school session include the following:

Algebra 300	English III	English IV
Biology 300	Geometry 300	Physical Education
Consumer Economics	Global Connections	Adv. Alg. Trig 300
Driver Education	Health 300	U.S. History
English/Communication I	Keyboarding/Formatting	English II

Courses must meet a minimum enrollment to be offered. Further details regarding summer school will be available in the Counseling Office in the spring.

WEIGHTED GRADES

District 99 uses a weighted grade system for assigning point values to grades earned in selected courses. The criteria for a course to be weighted are 1) those courses in selected disciplines where section grouping is used to challenge the students by accelerating the learning rate and increasing the amount of content in the discipline; and 2) those courses in selected disciplines where course content is similar or equal to the content in university level courses.

Grades of A, B, and C are awarded an additional point in courses identified as having weighted grades. The grading scales for courses with weighted grades are as follows:

A = five points, B = four points, C = three points, D = one point.

The following courses are designated as grade weighted:

Advanced Algebra/Trigonometry 400	AP Statistics
AP Art History	AP U. S. Government & Politics
AP Drawing & Painting	AP U.S. History
AP Studio Art: 2D Design (Computer Design)	Architectural Drawing 1 Honors
AP Studio Art: 2D Design (Design)	Architectural Drawing 2 Honors
AP Studio Art: 2D Design (Digital Photography)	Biology 400
AP Studio Art: 3D Design (Ceramics)	Chemistry 400
AP Studio Art: 3D Design (Jewelry & Metalwork)	English & Communication I, II
AP Biology	French III H
AP Calculus AB	French V H
AP Calculus BC	Geometry 400 Honors
AP Chemistry	German III H

AP Computer Science A
AP English Language & Composition
AP English Literature & Composition
AP European History
AP French
AP German
AP Microeconomics
AP Psychology
AP Physics
AP Spanish

German V H
Physics 400
Pre-Calculus 400 (formerly College Algebra/Trig 400)
Spanish III H
Spanish V H

The following courses have a weighted grade **option**. If a student would like to take the following courses as weighted they must indicate this to the teacher.

A Cappella Choir
Jazz Ensemble

Symphonic Orchestra
Treble Choir

Wind Ensemble

WITHDRAWING FROM A SCHEDULED CLASS

Students are expected to remain in the courses for which they have registered for the entire school year. The school cautions all students to carefully consider any withdrawals. District 99 students are not considered full-time students unless they are enrolled in a minimum of six credit classes. **Drop requests will not be considered until 4 ½ weeks into each semester**, which allows adequate time for the student to access assistance, time for the teacher to fully assess the student's capabilities and to fully understand the requirements of a student's entire schedule. A student may not be allowed to drop a course, if, in doing so, he or she would fall below the 6 credit class minimum requirement.

The withdrawal procedure involves input from the student, counselor, teacher, department chair, parent and administrator. The withdrawal is not official until the withdrawal form has been processed and signed by all parties, including the bookstore, and returned to the counselor.

TRANSCRIPT IMPLICATIONS FOR DROPPING A COURSE

1. If a student withdraws from a class at any time up to the end of the first six weeks, no grade is recorded on the transcript.
2. If the student withdraws from a class between the 7th and 12th weeks of the semester, the student will receive "W" along with the grade at the time of withdrawal, i.e., WA, WB, WC, WD, WF. This withdrawal and grade will be recorded on the student's transcript.
3. If the student drops a class from the 13th week through the end of the semester (not including exam days), the student will receive a grade of "F."

INTRODUCTION TO TEACHING

Eligible Grade Level: 11, 12

Course Code: P253

Credit: 2 general elective units, as well as 6 semester hours of credit from College of DuPage.

Prerequisites: 2.5 cumulative GPA, two staff recommendations (one from your counselor, and one from a teacher of your choice), review of attendance record and successful completion of application and interview.

This course offers a preview of the field of education for students who show an initial interest in studying education after high school. Seminars will cover the history of American education, important philosophical foundations of education, and current best practices in teaching. In addition, students have the unique opportunity to work under the direct mentorship of a certified staff member at one of several schools in District 58 (or, in special circumstances, with special needs students at North High School). In order to facilitate the field school component of this course, this class meets for two class periods each day.

Preference will be given to students with senior standing.

NOTES:

- 1. Enrollment in the spring semester is contingent upon successful completion of the fall semester.**
- 2. Students must provide their own transportation to and from field schools. Permission to purchase a parking pass will be offered to students who are selected to participate in the program.**



CAREER & TECHNICAL EDUCATION

Courses in the Career and Technical Education Department are offered in the areas of Business Education, Computer Technology, Cooperative Career Education (work study program), Family and Consumer Science and Industrial Technology. Career and Technical Education teaches technology, supports academic subjects and partners with the business community. Our courses begin to prepare students for a wide range of careers including Architect, Interior Designer, Accountant, Early Child Care, Education Teacher, Chef, Programming Engineer, Web Developer, Small Business Owners and Sales/Marketing Associates. Rigorous academic content tied to technical subject matter ensures that these students will be ready for college and work. Cooperative work experiences, a hallmark of career and technical education, are attractive to all students who want to get a head start on a career.

All courses listed in the curriculum areas below satisfy the Career and Technical Education graduation requirement.

BUSINESS EDUCATION: The knowledge gained in these courses will develop lifelong learning skills that foster flexible career paths and confidence in adapting to a workplace that demands constant change. Business competencies are essential because all students will: participate in the economic system as a consumer or as an employee, encounter a business environment that is characterized by global diversity, be a part of a team requiring leadership and interpersonal skills and use technology as a tool for productivity.

COMPUTER TECHNOLOGY: Students will use various technologies throughout their high school career and beyond. Computer software, hardware, video, sound, animation and the other 21st century emerging technologies are changing the way we learn. Students taking computer courses in the Career & Technical Education Department will learn essential computer skills that will enable them to produce high-quality school projects, to obtain well-paying jobs, and to be equipped with the skills and knowledge that are required of all college students and employees in today's Digital Age.

COOPERATIVE CAREER EDUCATION: Students participating in this program will enroll in a class and work at an instructor-approved job training site. This combination provides students with the opportunity to transfer classroom knowledge to the work world. Students will learn valuable career skills that will benefit both those college-bound and work-bound after graduation.

FAMILY AND CONSUMER SCIENCE: Family and Consumer Science courses provide experiences which advance personal, educational and career goals. Students will learn about: balancing personal and work lives, optimal nutrition and wellness, life management, employment, career development, consumer issues, issues facing diverse families, communities and work environments. Instruction is often individualized and many lab-based, hands-on classes are offered.

INDUSTRIAL TECHNOLOGY: Industrial Technology courses enable students to develop the knowledge and skills necessary to function in this rapidly changing technological world. Students enrolled in these courses will apply mathematics, science, mechanical and technical knowledge and principles to seek solutions and solve problems. Students will develop safe practices in the use of tools, materials and machines. Emphasis is placed on technical problem solving and developing an understanding of technical resources and processes.

***Development of job seeking and job seeking skills is an important component of all courses taught. Some of the elements in our courses include development of dependability, cooperation and initiative. Development of safety skills is also integrated into our courses.**

CONSUMER EDUCATION

Consumer Education is required for graduation.

BUSINESS EDUCATION

Accounting 1 & 2	Fashion Merchandising
Advanced Accounting	Introduction to Business
Business Law	Sports and Entertainment Marketing
Entrepreneurship	

COMPUTER TECHNOLOGY

<u>General Computer</u>	<u>Computer Programming</u>
Computer Applications	Computer Science 1
Keyboarding/Formatting	Computer Science 2
	AP Computer Science*
<u>Multimedia</u>	
Web Design	
Emerging Technology	

COOPERATIVE CAREER EDUCATION

FCS-Family and Consumer Science Work Cooperative	ME-Marketing Education
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FAMILY AND CONSUMER SCIENCE

<u>Foods</u>	<u>Fashion</u>
Foods 1	Fashion Workshop 1
Foods 2	Fashion Workshop 2
<u>Human Development</u>	<u>Interior Design</u>
Parenting	Interior Design
Child Development	

INDUSTRIAL TECHNOLOGY

<u>Architecture</u>	<u>Engineering & Electronics</u>
3-D Design & Animation	Electricity/Electronics
Architectural Drawing 1	Pre-Engineering
Architectural Drawing 1 Honors*	Technology Education
Architectural Drawing 2	
Architectural Drawing 2 Honors*	
Computer-Aided Drafting & Design 1	
Computer-Aided Drafting & Design 2	
Technical Drawing	

* Offered for Weighted Credit

CONSUMER EDUCATION

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Prerequisites: None

Course Code: K181

This course introduces students to such topics as establishing credit and using it wisely, investing, buying or leasing an automobile, establishing and maintaining savings and checking accounts, choosing an apartment, filing federal and state income tax forms, smart shopping techniques and shopping for food and clothing.

The class provides hands-on experience through class projects and is supplemented with guest speakers from the community. Consumer Education is designed to prepare students for living on their own once they leave high school. Consumer Education will provide the skills necessary to allow students to make financial decisions intelligently.



BUSINESS EDUCATION

ACCOUNTING 1 and 2

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Prerequisites: None

Course Code: J003

Designed for students who plan on majoring in accounting, business, marketing or management in college. The course will be a valuable resource for further building accounting and finance skills. Students who wish to prepare themselves to do accounting, either as an entrepreneur or as a business person, will find this course develops a solid foundation for financial preparation.

ADVANCED ACCOUNTING

Eligible Grade Level: 11, 12

Credit: 1 unit

Prerequisites: Accounting

Course Code: J023

This is a continuation of the principles and concepts learned in the first year course. In addition to the review of concepts learned, new principles will be presented. Accounting software will be used to help solve complex problems and to complete accounting work. Students who plan to major in accounting, business, marketing or management in college or who wish to prepare themselves to do accounting for a small business should enroll in this course.

BUSINESS LAW

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Prerequisites: None

Course Code: J041

Laws concerning the economic life of every individual are the subject matter of Business Law. In addition to contracts, torts, and landlord-tenant relations, attention is also given to criminal law and juvenile law.

Actual cases are used to illustrate rules of law. Current changes in law and how the law is applied to current cases is discussed and investigated. A mock trial is presented as a way of introducing students to courtroom

practices and procedures. Videotaped cases are also presented in the class and the students are asked to determine probable outcomes based on their knowledge of the law.

ENTREPRENEURSHIP

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: J101

Prerequisites: None

If working for someone else does not interest you and being your own boss is your goal, this course will introduce you to the entrepreneurial skills necessary to run your own business. Areas covered include business ownership, management theories, product development and human relation skills. Students become aware of the challenges facing business owners and managers in today's rapidly changing business environment. Entrepreneurship students will get an opportunity to simulate the operation of a small business by creating, marketing, and selling a product while working as a part of a management team.

FASHION MERCHANDISING

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J471

Prerequisites: None

This course will help students develop a thorough understanding of the fashion design and merchandising industry. Students will be able to apply concepts such as trend analysis, fashion theories, apparel manufacturing, marketing and garment design analysis. Areas of student learning will include clothing and society, the fashion world, color and design, clothing selection and the workplace and career opportunities in fashion related fields. Students taking Fashion Merchandising will have the opportunity to participate in DECA (student marketing leadership organization) as well as FCCLA (Family, Career & Community Leaders of America)

INTRODUCTION TO BUSINESS

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J201

Prerequisites: None

This course provides students an opportunity to participate in a student run business simulation. Students will explore such topics as: entrepreneurship, free enterprise, business career opportunities, and employee-employer behavior and responsibilities. The class will be responsible for choosing a product to market and sell, while learning various managerial tasks. Proceeds generated from the sales of the product will go to a charitable organization.

SPORTS AND ENTERTAINMENT MARKETING

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: J231

Prerequisites: None

Students will learn about marketing principles and theories, and apply those principles and theories through the study of the sports and the entertainment industries. Areas of student learning will include the functions of marketing, target marketing, market segmentation, sponsorship, promotions, event marketing, marketing management, endorsements, advertising, public relations, sports law, careers in sports and entertainment marketing and the marketing plan. The marketing concepts learned in this class will be learned through the study and investigation of the marketing techniques used in college and professional sports as well as in the movie and the music industries.



COMPUTER TECHNOLOGY

COMPUTER APPLICATIONS

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J421

Prerequisites: None

Any student that will be attending college or entering the workforce will benefit greatly from this course. This class is designed to give students a hands-on, real-world experience with word processing, spreadsheets, databases, graphics, presentations and the Internet. Students will have the opportunity to become desktop computing experts, increase technical skills, and differentiate themselves from the crowd.

EMERGING TECHNOLOGY

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J401

Prerequisites: None

This course is meant to be an exploration into 21st century technologies. Units taught in this course include: sound, multimedia, animation, graphics, video design, and computer games. Students enrolled in this course will learn how to use the numerous online technology tools that are available to the public as well as school owned software to become original creators of products such as animated cartoons, videos, and computer games. Students will be able to use the skills and knowledge obtained from this class in other courses in high school, they will be prepared for a college or work-related career path, and they will gain valuable experience as authors of original technological products so often required of 21st century individuals.

WEB DESIGN

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J431

Prerequisites: None

This class will focus on web page planning, basic design, layout, and construction. Students will incorporate graphics and multimedia into the web sites they create using the Adobe Creative Suite (Dreamweaver, Flash, and Photoshop). Students will also learn how to effectively evaluate existing web sites for content and function.

KEYBOARDING/FORMATting

KEYBOARDING/FORMATting OPPOSITE LUNCH

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J301

Prerequisites: None

Students will learn to use the keyboard by touch to develop their speed and accuracy on computers. Students will be taught the basic word processing skills needed to prepare personal and business letters, envelopes, flyers, outlines, tables and reports. Students are also introduced to spreadsheets, presentation and desktop publishing software. This course is highly recommended for all students to build their computer skills for high school, college and work. Students may choose to take this class during the resource opposite their lunch period. In addition, students will be given the option of taking this course pass/fail.

COMPUTER SCIENCE 1 (Visual Basic Programming)

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J441

Prerequisites: Algebra 300 or equivalent, grade of C or better recommended.

Students will learn the Visual BASIC language to write step-by-step instructions to create computer programs. Students will also learn common design techniques and methods used to produce efficient and readable programs for various applications.

COMPUTER SCIENCE 2 (Visual Basic Programming)

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: J451

Prerequisites: A grade of A or B in Computer Science 1, or department chair approval AND completion or current enrollment in Advanced Algebra & Trigonometry 300.

This course will continue to prepare students in computer languages. This course covers Advanced Visual Basic topics including multi-form projects, additional form controls, graphics, and applications. Students will be introduced to the techniques and design methods used in structured programming and advanced programming techniques with an emphasis on data structures.

AP COMPUTER SCIENCE

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: J463

Prerequisite: None

This course will teach the methods and techniques of programming design as well as an in-depth study of algorithms, data structures, data abstractions and object-oriented programming using the language of Java. Successful completion of this course will provide students with the opportunity to take the Advanced Placement examination in Computer Science.



COOPERATIVE CAREER EDUCATION

FCS COOPERATIVE EDUCATION

Eligible Grade Level: 11, 12

Credit: 2 units

Course Code: P143

Prerequisites: None

This course is designed for juniors and seniors interested in pursuing a career in such fields as clothing and fashion, interior design, food service, childcare, education, and social service. Students work part-time in the community at a paid job. Job training sites may occur at places such as a day-care center, a pre-school, a retail clothing store, a restaurant, a nursing home, an interior design accessories store or a fabric store.

Students enrolled in the FCS Cooperative Education course will also participate in the Family, Career and Community Leaders of America (FCCLA) club.

MARKETING EDUCATION (M.E.)

Eligible Grade Level: 11, 12

Credit: 2 units

Course Code: P063

Prerequisites: None

Marketing Education is designed to prepare today's student for the ever-changing high tech work environment. The student will be equipped with the business skills, technical training and work ethics essential for today's entry-level jobs and for future career advancement. Businesses such as banks, hotels, law offices, and real estate offices are some of the examples of the types of businesses where students may work during the school year. The classroom portion of M.E., membership and competition in D.E.C.A. and on the job training all provide a solid foundation for students to strengthen and build their career skills in business.



FAMILY AND CONSUMER SCIENCE

CHILD DEVELOPMENT

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: K293

Prerequisites: None

If you are interested in stepping out of the student mode into an active teaching mode, enroll in Child Development. This course is designed to give high school students an opportunity to work with three and four-year old children in a preschool at North High School. Any student interested in a career involving children (education, social work, psychology, pediatrics, day-care) will benefit from this course.

FASHION WORKSHOP 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: K021

Prerequisites: None

This course is for students with some experience in sewing and fashion as well as for those with no experience but with an interest in clothing. Basic construction techniques prepare students to sew independently. Students choose projects compatible with their sewing skills and fashion interests.

FASHION WORKSHOP 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: K051

Prerequisites: Fashion Workshop 1 or approval from the Department Chair

Sew with the latest fabrics and use new techniques to construct pants, dresses, blouses or jackets depending on student skill and interest. Pattern alterations to suit individual needs are presented. Career opportunities in fashion merchandising are studied.

FOODS 1**Eligible Grade Level: 9, 10, 11, 12****Credit: 1/2 unit****Course Code: K221****Prerequisites: None**

Are you prepared to be living on your own? It's sooner than you think! The Foods 1 course will equip you with the know-how to prepare nutritious, tasty, and economical foods. Recipes will be chosen from all the food groups. Do an omelet, pasta, or homemade macaroni and cheese fill your desire for a quick meal? Would brownies, cookies, and caramel corn finish off that great dinner or snack? Looking for a way to incorporate more fruits and vegetables in your diet? This course is for you. The numerous lab experiences will develop your food preparation skills as well as an introduction to careers in foods.

FOODS 2**Eligible Grade Level: 9, 10, 11, 12****Credit: 1/2 unit****Course Code: K231****Prerequisites: Foods 1**

Foods 2, builds upon the knowledge and skills of Foods 1 by incorporating new and interesting culinary topics. Students will examine the components of a main meal and prepare the foods from each course. On this journey, students will explore appetizers, soups, salads, main dishes, and desserts. They will use their skill to plan and implement menus that are nutritious and appealing. Diverse food selections, from a particular region of the United States, will be prepared and consumed by students as they demonstrate their favorite recipes.

INTERIOR DESIGN**Eligible Grade Level: 9, 10, 11, 12****Credit: 1/2 unit****Course Code: K261****Prerequisites: None**

Interior Design is a course for students who have an interest in applying the principles of design to architectural environments. The impact of color, use of textiles, choice and arrangement of furnishings and the addition of accessories, background and lighting selection are explored through design projects. Up-to-date technology and current trends in housing choices are examined for a variety of life styles to encourage students to discover the living environment most suited to them.

PARENTING**Eligible Grade Level: 9, 10, 11, 12****Credit: 1/2 unit****Course Code: K191****Prerequisites: None**

Wonder what it is like to care for a small child? This course is designed to give high school students the opportunity to work directly with infants and 2-year old children. Students will study play and development, basic needs, discipline and guidance. For students who are interested in continuing their studies of young children, the Child Development course is suggested.



INDUSTRIAL TECHNOLOGY

3D DESIGN AND ANIMATION

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: L451

Prerequisites: None

This course introduces the student to the type of software and modeling techniques used by architects, designers, game developers, and graphic designers working on games and movies. Students will create three dimensional objects to produce rendered still frames (scenes) and use these objects to produce rendered animations. Units include: three-dimensional modeling, rendering, animation, lighting and material, and scene composition.

ARCHITECTURAL DRAWING 1

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: L003

Prerequisites: CADD 1

The focus of Architectural Drawing 1 is residential drawing and design. Students develop a set of plans and a 3-D model of a house, applying skills developed in previous courses. The development of architectural skills using Computer Aided Design (CAD) software is emphasized as well as the development of knowledge pertaining to residential architecture and historical Chicago architects. Students will have the opportunity to compete in local and state architectural competitions through the Skills USA Organization.

ARCHITECTURAL DRAWING 1 HONORS

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: L013

Prerequisites: CADD 1

Students enrolled in this course will complete all of the Architectural Drawing 1 projects in addition to developing board drawing and modeling skills outside of the classroom. This pre-studio experience will provide the student, pursuing an architectural or engineering college/career path, with skills that will be vital to their college studio experience. The primary aim of Architectural Drawing 1 is a focus on residential drawing and design. Applying skills developed in previous drawing courses, students will have the opportunity to develop preliminary drawings of a residential home. Emphasis is on design and the development of architectural drafting skills. Students will have an opportunity to use professional tools, equipment and materials like those of an architect or architectural draftsman, while also experiencing the processes of 3D Modeling and rendering. The AutoCAD 2010 and Autodesk Revit software is the primary tool used to obtain course objectives. Students will have the opportunity to compete in local and state architectural competitions through the Skills USA organization.

ARCHITECTURAL DRAWING 2

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: L023

Prerequisites: Architectural Drawing 1

Students in this course will be creating architectural models in a virtual 3D environment. Full colored renderings, applying building materials as well as computer generated walkthroughs of buildings are all covered in this course. The AutoCAD Architecture and Autodesk Revit software is the primary tool used for virtual modeling. Students will plot out 3D drawings using an industry standard plotter. Designing and

assembling a portfolio of work for post high school use is an important part of this class. Students will have the opportunity to compete in local and state architectural competitions through the Skills USA organization.

ARCHITECTURAL DRAWING 2 HONORS

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: L043

Prerequisites: Architectural Drawing 1

Students enrolled in this course will complete all of the Architectural Drawing 2 projects in addition to developing board drawing and modeling skills outside of the classroom. This pre-studio experience will provide the student, pursuing an architectural or engineering college/career path, with skills that will be vital to their college studio experience. In this course, students will be creating architectural models in a virtual 3D environment. Full colored renderings, applying building materials as well as computer generated walkthroughs of buildings are all covered in this course. The Autodesk Revit software is the primary tool used for virtual modeling. Students will plot out 3D drawings using an industry standard plotter. Designing and assembling a portfolio of work for post high school use is an important part of this class. Students will have the opportunity to compete in local and state architectural competitions through the Skills USA organization.

COMPUTER AIDED DRAFTING AND DESIGN 1 (CADD 1)

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: L081

Prerequisites: None

This course is an excellent choice for those students wishing to explore the field of drafting, planning a career in engineering, architecture, construction, interior design or other related fields. CADD 1 projects include: lettering, multi-view drawing, isometric drawings, geometric construction, CAD drawings, and learning the AutoCAD software.

COMPUTER AIDED DRAFTING AND DESIGN 2 (CADD 2)

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: L101

Prerequisites: CADD 1

CADD 2 introduces students to 3D solid modeling. Students learn real world rendering techniques, virtual lighting, multi-access design, and photo plotting. Software used includes AutoCAD and 3 D Studio Max.

ELECTRICITY/ELECTRONICS

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: L113

Prerequisites: None

NOTE: Students enrolling in this course at North High School will need to travel to South High School.

This course is geared towards all students, both college bound as well as those who will directly enter the world of work, with an interest in Electricity and Electronics. The curriculum combines state-of-the-art interactive, multimedia instruction with hands-on experimentation. Students will use a variety of industrial-grade training devices to gain a comprehensive, practical understanding of the following topics: Careers in Electricity and Electronics, Direct and Alternating Current, Basic Wiring and Schematic Symbols, Semiconductor Devices and Digital Logic Fundamentals.

PRE-ENGINEERING**Eligible Grade Level: 9, 10, 11, 12****Credit: 1/2 unit****Course Code: L321****Prerequisites: None**

This course introduces students to the Principles of Engineering and Engineering Design. Units include: research, design, fabrication, documentation, and creating presentations using 21st century skills. Teambuilding, time management, and appropriate uses of technology are other focuses within the coursework.

TECHNICAL DRAWING**Eligible Grade Level: 10, 11, 12****Credit: 1 unit****Course Code: L073****Prerequisites: CADD 1 or 3D Design and Animation**

Technical Drawing is an advanced level drafting class that focuses on design and development fundamentals. AutoCAD, Inventor, and 3D Studio Max is the primary software used in the curriculum. The students will be designing a motorcycle, bicycle, and a prototype sports car during the 1st semester. 3D modeling software is used to design, develop, and test real-life working models. Potential engineering students will get first hand use and experience with software used in major universities and businesses.

TECHNOLOGY EDUCATION**Eligible Grade Level: 9, 10, 11, 12****Credit: 1/2 unit****Course Code: L301****Prerequisites: None**

Technology Education class presents the scientific basis, significance, and future potential of 17 fields of technology. Students will learn through computer modules and hands-on activities. Students will select six of the following units to complete in one semester: (1) Aerodynamics (2) Digital Video Editing (3) Alternative Energy (4) Engineering & Stress Analysis (5) Animation (6) Exploratory Electronics (7) Fluid Power (8) Automaton and Robotics (9) Flight Simulation (10) Computer-Aided Design (CAD) (11) Fiber Optics & Lasers (12) Computer Graphic Design (13) Plastics (14) Computer Numerical Control (CNC) Mill (15) CNC Lathe (16) Video Production (17) Automotive Exploration.

ENGLISH AND COMMUNICATION

The major goal of the Department of English and Communication is to assist students in their development as articulate, effective speakers and writers of English and to foster in them an appreciation of classic and contemporary literature.

Four units of language arts credit are required to complete the language arts requirement. Additional credits may be selected to meet college entrance requirements, career goals or interests.

In grades nine through eleven, students may choose from a small group of courses, which have been designed to respond to a variety of needs of students at each grade level. In addition, students in these grade levels may also concurrently enroll in some electives: journalism, speech, drama, radio, television, and humanities. In twelfth grade, students must elect from a large group of courses, including an Expression course and a Literature course. Students may also elect additional Language Art courses.

ENGLISH HONORS PROGRAM

At each grade level, students demonstrating competence and achievement in a wide range of English skills, including critical reading and writing, are encouraged to enroll in the Honors program. Students will read widely in classic and contemporary literature. Additionally, they will write extensively, completing research-based assignments as well as creative projects. Also, students will be challenged to develop their communication skills through oral presentations and active participation in discussion. A principal goal of the Honors Program is to prepare students for advanced study at the college level.

ENGLISH AND COMMUNICATION I HONORS

Eligible Grade Level: 9

Credit: 1 unit

Course Code: A033

Prerequisites: Recommendation of eighth grade teacher, reading scores, writing samples

ENGLISH AND COMMUNICATION II HONORS

Eligible Grade Level: 10

Credit: 1 unit

Course Code: A263

Prerequisites: English and Communication I Honors or recommendation of ninth grade teacher, reading scores, writing portfolio, English grades

AP LANGUAGE AND COMPOSITION

Eligible Grade Level: 11

Credit: 1 unit

Course Code: A343

Prerequisites: English and Communication II Honors or recommendation of English/Communication teacher, reading scores, writing portfolio, English grades, and interview with department chair

AP ENGLISH LITERATURE AND COMPOSITION

Eligible Grade Level: 12

Credit: 1 unit

Course Code: A373

Prerequisites: English III Honors or recommendation of English/Communication teacher, reading scores, writing portfolio, English grades, and interview with department chair.

FRESHMAN ENGLISH SEQUENCE

Students will take one of the following:		
English & Communication I		Eng I/Global Studies Interdisciplinary
English & Communication I Honors		English I/Reading (Read 180)
Concurrent Options:		
Acting 1		Radio 1
Acting 2		Radio 2
Theatre Design and Craft		

SOPHOMORE ENGLISH SEQUENCE

Students will take one of the following:		
English & Communication II		
English & Communication II Honors		
Concurrent Options		
Acting 1	Journalism Workshop: Yearbook	Radio 3/ Ind. Study
Acting 2	Oral Interpretation	Television 1
Acting 3	Radio 1	Television 2
Forensics	Radio 2	Theatre Design and Craft
English IV: Journalistic Expression and Media Literacy		

JUNIOR ENGLISH SEQUENCE

<i>Students will take one of the following:</i>		
AP English Language & Composition		
English & Communication III		
Concurrent Options		
Acting 1	English IV: Literary Expression	Radio 2
Acting 2	Forensics	Radio 3/Ind. Study
Acting 3	Journalism Workshop: Yearbook	Television 1
Advanced Journalistic Writing	Oral Interpretation	Television 2
English IV: Journalistic Expression & Media Literacy	Radio 1	Theatre Design and Craft

ENGLISH AND COMMUNICATION IV ELECTIVE SEQUENCE

CRITICAL READING	WRITING INTENSIVE	COMMUNICATION AND PERFORMING ARTS
AP English Literature & Composition		
English IV: The Humanities & Critical Expression		
English IV: Journalistic Expression & Media Literacy		
English IV: Critical Lenses	Advanced Journalistic Writing	Acting 1-2-3
English IV: Cultural Transitions	English IV: Effective Expression	Film Studies
English IV: Realms of Possibility	English IV: Literary Expression	Forensics
English IV: Transformation & Triumph	English IV: Oral Expression	Oral Interpretation
English IV: Voices from the Edge	English IV: Written Expression	Radio 1-2-3(Ind. Study)
English IV: Dramatic Literature	Journalism Workshop: Yearbook	Television 1-2
		Theatre Design and Craft

FRESHMAN ENGLISH COURSES

English & Communication I
English & Communication I Honors
English & Communication I/Global Connections
(Interdisciplinary)
English & Communication I/READ 180

Concurrent Options:

Acting 1	Radio1
Acting 2	Radio 2
Theater Design & Craft	Television 1

ENGLISH AND COMMUNICATION I

Eligible Grade Level: 9

Credit: 1 unit

Course Code: A013

Prerequisites: None

Students in this two-semester course will develop competencies in reading, writing, speaking, and listening as well as develop skills in understanding literature and language. Reading instruction will receive special emphasis. Writing and reading will be integral to the course. Students will be introduced to writing as a process involving many elements leading to a final draft or speech. Students will use writing as a way of clarifying ideas, will write for different purposes and occasions, and demonstrate skill in the use of the conventions of standard written and oral English.

ENGLISH AND COMMUNICATION I /GLOBAL CONNECTIONS (Interdisciplinary)

Eligible Grade Level: 9

Credit: 2 units

Course Code: A003/F083

Prerequisites: None

NOTE: This course meets the English I and Global Connections requirements for graduation.

Learning and practicing both the writing and reading process will be integral to the course. This two semester course will develop skills in understanding literature, language and history. The course will provide students with the opportunity for enrichment in reading, writing and research. Students will use writing as a way of clarifying ideas, writing for different purposes and occasions, and demonstrating skill in the use of the conventions of standard written and oral English. Students will examine both the diversity and similarity among the world's peoples and cultures with an emphasis on major civilizations of the past, as well as nations in the world today. Students will engage in interdisciplinary experiences that will require them to draw connections between literature and history and blend research, writing, reading and technological skills to demonstrate their own learning.

ENGLISH AND COMMUNICATION I / READING (READ 180)

Eligible Grade Level: 9

Credit: 1 unit Language Arts & 1 elective unit

Course Code: A180 / C180

Prerequisites: Junior High Teachers' recommendations and achievements scores (Requires concurrent registration in the reading section of READ 180)

NOTE: This course satisfies the graduation requirement for English.

Students in this two-semester course will develop competencies in reading, writing, speaking, and listening as well as develop skills in understanding literature and language. Reading instruction will receive special emphasis. Writing and reading will be integral to the course. Students will be introduced to writing as a process involving many elements leading to a final draft or speech. Students will use writing as a way of

clarifying ideas, will write for different purposes and occasions, and demonstrate skill in the use of the conventions of standard written and oral English.

Students enrolled in this course will have a double block of English and reading support and will use the READ 180 program. Students will be placed in this course based upon teacher recommendation and standardized test performance. READ 180 is an intensive reading intervention program that is backed by scientific research. The course includes whole group and small group instruction on reading and writing skills, time for guided independent reading, and an individualized, adaptive instructional software program.

SOPHOMORE ENGLISH COURSES

English & Communication II
English & Communication II Honors

Concurrent Options:

English & Communication IV: Journalistic Exp. & Media Literacy	Acting 1
Journalism Workshop: Yearbook	Acting 2
Forensics	Acting 3
Television 1	Theater Design& Craft
Television 2	Radio 1
	Radio 2
	Radio 3

ENGLISH AND COMMUNICATION II

Eligible Grade Level: 10

Credit: 1 unit

Course Code: A253

Prerequisites: English and Communication I

In English and Communication II, a two-semester course comprised of three units, students will continue to develop their skills as critical readers, competent writers, and effective speakers. In the Reading Workshop, students will continue to build on the skills they developed in the freshman program, becoming more reflective and learning to adjust their reading to different situations in order to improve comprehension. In a second unit, titled "Sense of Self in Community," students will investigate the ways in which individuals form identities and how their identities are shaped by the places in which they live and the responsibilities they face in their daily lives. In a third unit, entitled "A Sense of Justice," students will question how we create and maintain a just society. They will analyze how individuals respond to injustice and what they can do when their values are in conflict with others. Within this course, students will also acquire useful learning and study strategies.

JUNIOR ENGLISH COURSES

AP Language & Composition
English & Communication III

Concurrent Options:

English & communication IV:	Acting 1
Journalistic Exp. & Media Literacy	Acting 2
Journalism Workshop:	Acting 3
Yearbook	Theater Design &
Television 1	Craft
Television 2	Radio 1
Literacy Expression	Radio 2
Advanced Journalism	Radio 3
	Forensics

ENGLISH III

Eligible Grade Level: 11

Course Code: A353

Credit: 1 unit

Prerequisites: English & Communication II

This two-semester course will continue to promote literacy development in a wide range of areas. The course is comprised of three units. In the literacy workshop, students will develop an understanding of literacy processes, with a special focus on persuasive writing and speaking. They will also receive explicit instruction in critical reading and writing. In a second unit, "An Evolving National Identity," students will examine the benefits and challenges of diversity in America. Within this curriculum, they will complete an advocacy project in which they will develop and apply advanced research skills. In a third unit, entitled "The Challenges individuals and communities experience and respond to changes in their lives.

Additionally, this unit examines the processes of change and the role of communication in the process. This unit includes ample practice in writing and speaking, focusing on essay development and persuasion.

**ENGLISH & COMMUNICATION
SENIOR ELECTIVE COURSES**

Twelfth grade students must select 1 literature and 1 expression course.

LITERATURE COURSES

English & Communication IV: Journalistic Expression & Media Literacy (Year long)

English & Communication IV: Voices from the Edge

English & Communication IV: Cultural Transitions and The Story Teller

English & Communication IV: Realms of Possibility

English & Communication IV: Transformations And Triumphs

English & Communications IV: Dramatic Literature
(Pending Board Approval)

EXPRESSION COURSES

English & Communication IV: Journalistic Expression & Media Literacy (Year long)

English & Communication IV: Effective Expression

English & Communication IV: Literary Expression

English & Communication IV: Oral Expression

English & Communication IV: Written Expression

COMBINED COURSES

English & Communication IV: Humanities And Critical Expression

CONCURRENT OPTIONS:

Forensics

Radio 1

Acting 1

Radio 2

Acting 2

Radio 3

Acting 3

Television 1

ENGLISH AND COMMUNICATION IV: EFFECTIVE EXPRESSION

Eligible Grade Level: 12

Course Code: A401

Credit: 1/2 unit Language Arts

Prerequisites: English & Communication III

This writing course provides students opportunities to develop and strengthen their writing, speaking and listening skills. In a workshop setting, students will practice proofreading, editing and revision of multiple drafts before they publish final products. Students will read models that will deepen their understanding of the writer's craft, and they will experiment with technology in the production of alternative texts such as digital storytelling and/or Power Point presentations. Instruction in grammar, mechanics, and usage will be provided as needed.

**ENGLISH AND COMMUNICATION IV: JOURNALISTIC EXPRESSION
AND MEDIA LITERACY**

Eligible Grade Level: 10, 11, 12

Course Code: A513

Credit: 1 unit Language Arts

Prerequisites: None

In this course, students will develop reading, writing and other communication skills through an exploration of various media genres. Students will gain knowledge of the writing process, including research techniques, structural analysis, and revision and editing and apply these concepts to their own writing. Students will study a variety of texts, as both structural models and as a means to foster discussions about current issues in our media-driven culture. The option of publishing in a student newspaper and/or yearbook is available.

ENGLISH AND COMMUNICATION IV: LITERARY EXPRESSION

Eligible Grade Level: 11, 12

Course Code: A421

Credit: 1/2 unit Language Arts

Prerequisites: English and Communication II with teacher recommendation or English and Communication III. Students may repeat enrollment in this course.

This course will offer students the opportunity to produce creative texts in a variety of genres-short fiction, poetry, and creative non-fiction. Students will acquire knowledge of writing through multiple draft, workshop, portfolio, and performance. In essence, the course will allow students the opportunity to inhabit the shoes of a writer-to trace the development of a creative piece from the spark of an idea to its publication or delivery to an audience. As they work within specific creative genres, students will study both professional and student models.

ENGLISH AND COMMUNICATION IV: ORAL EXPRESSION

Eligible Grade Level: 11, 12

Course Code: A431

Credit: 1/2 unit Language Arts

Prerequisites: English & Communication II with teacher recommendation or English and Communication III

In this communications course, students will explore their roles as speakers and writers in a world in which effective oral and written communication is tantamount to success. In creating verbal messages for persuasive, informative, and special occasion purposes, students will enhance their writing for, and presentation of, academic, professional and personal messages. They will also adapt their language and presentational style for a variety of audiences, recognizing the similarities and differences between written and oral communication. By reviewing a range of written and oral texts, students will understand how a speaker uses rhetorical methods, word choice, and nonverbal elements to communicate effectively. Students will have the opportunity to participate in all aspects of development and delivery of formal, informal, and personal presentations, debates, and discussions. This course will also include analysis of messages generated by media, current events, literature and/or personal interaction.

ENGLISH AND COMMUNICATION IV: WRITTEN EXPRESSION

Eligible Grade Level: 12

Course Code: A411

Credit: 1/2 unit Language Arts

Prerequisites: English and Communication III

In this course, students will develop an understanding of their own writing processes as well as the processes of other students and professional writers. The classroom becomes a community of writers in which students engage in the collaborative production and revision of texts. Students and teacher will confer with and consult one another at different points in the writing process. Through these interactions, students will establish a set of skills, strategies, and practice for generating, revising, and editing diverse texts. The writing assignments in the course are designed to promote critical inquiry, an understanding of rhetorical situations, and the powerful uses of information and language. Additionally, students will learn the conventions of different genres and utilize technology for the production of various texts.

ENGLISH AND COMMUNICATION IV: HUMANITIES AND CRITICAL EXPRESSION

Eligible Grade Level: 12

Course Code: A383

Credit: 1 unit Language Arts

Prerequisites: English and Communication III

In this course, students will examine the human condition and how humans are inspired to create. Through the study of literature, philosophy, and the visual and performing arts, students will investigate the human creative response to the world, society, religious tradition, and the human experience. Students will examine how the artist is influenced by and influences history and culture. The course will emphasize critical analysis of a variety of literary, visual, and auditory texts, including myth, painting, sculpture, architecture, fiction, Greek and Shakespearean drama, music drama, and film.

ENGLISH AND COMMUNICATION IV: DRAMATIC LITERATURE

Eligible Grade Level: 12

Course Code: A

Credit: ½ unit Language Arts

Prerequisites: English and Communication I, English and Communication II, English and Communication III

(Pending Board Approval)

This semester-long course will serve as an introduction to dramatic literature, studying the development of drama and its various genres. This course will focus on cultural, literary, and political context of individual works by diverse playwrights, such as, Anton Chekov, Arthur Miller, Tracy Letts, Susan Glaspell, and Augusto Boal. Students will also be exposed to the elements of dramatic structure as well as analytical criticism. Students will utilize dramaturgy (theatrical research) to enhance their analysis of the plays with such supplemental texts as playwright biographies, historical background, dramatic criticism, and theatrical reviews.

ENGLISH AND COMMUNICATION IV: VOICES FROM THE EDGE

Eligible Grade Level: 12

Course Code: A591

Credit: 1/2 unit Language Arts

Prerequisites: English and Communication III

This course investigates those artists and writers who reject societal and structural norms and advocate for alternative viewpoints and art forms. The course begins by examining the act of rebellion and the existing conditions or motives that may contribute to a need for change. Through the study of literature, film, and art, students will then consider a rebellion from the perspective of the rebel and the society in which he or she lives. Using a set of essential questions students will begin to discover how literature, film, and art can be utilized as vehicles for the rebel or innovator to express alternative perspectives and ideas. Students will have an opportunity to think critically about the effectiveness of the rebel in raising social consciousness and in contradicting established beliefs.

ENGLISH AND COMMUNICATION IV: CULTURAL TRANSITIONS AND THE STORY TELLER

Eligible Grade Level: 12

Course Code: A511

Credit: 1/2 unit Language Arts

Prerequisite: English and Communication III

This course will introduce students to the effects that a changing world has on storytelling and the importance of story within diverse cultures. Students will study literature and films that reflect various cultural perspectives that have evolved. Students will consider works that reflect the beliefs, ideals, and questions that have been raised by various cultural and ethnic groups. Students will explore texts and film that reflect multicultural viewpoints both at home and abroad.

ENGLISH AND COMMUNICATION IV: REALMS OF POSSIBILITY

Eligible Grade Level: 12

Course Code: A551

Credit: 1/2 unit Language Arts

Prerequisites: English & Communication III

In this course students will study how writers use fiction both to speculate and comment on the consequences of human behaviors, technologies and social structures/regimes. The course will consider works of fiction including genres such as myths, fantasy, science fiction and utopian or allegorical fiction. It will also include short nonfiction such as scientific, technological and political essays. Students may examine how humans relate to the “other,” how humans alter their world and/or experience, and how individuals function within imposed realities.

ENGLISH AND COMMUNICATION IV: TRANSFORMATION AND TRIUMPHS

Eligible Grade Level: 12

Course Code: A471

Credit: 1/2 unit Language Arts

Prerequisites: English and Communication III

In this course, students will study highly accessible and contemporary genres (novels, dramas, essays, poetry and film) to understand the nature of transformation. Investigating and portraying different roles and perspectives, students will identify and evaluate character evolution--how people adapt, survive and triumph over challenges. Furthermore, students will explore how and why artists transform creative works from one medium to another. Ultimately, this course will examine what it means to be human in a (sometimes) complex and impersonal world.

ENGLISH AND COMMUNICATION IV: CRITICAL LENSES

Eligible Grade Level: 12

Course Code: A571

Credit: 1/2 unit Language Arts

Prerequisites: English and Communication III

In this course, students will study how artists (authors, filmmakers, photographers, painters, etc.) comment on society through different literary and visual media and the other technologies. Students will learn to decode an artist’s vision in the context of political, social, personal, economic and cultural arenas. Students will explore not only the thematic content of various texts but also how artists’ techniques and the tools available to them create meaning and impact audience response. To become aware of their role as receivers, students will critically examine their own responses in light of the artist’s “lens” (perspective and techniques).

READING PROGRAMS

The Reading Center offers instructional options for students of all ability levels who are interested in improving their reading and study strategies. The Reading Center also offers individual diagnostic assessment opportunities for students concerning their strengths and weaknesses in reading and study strategies. In addition, consultation about a student’s standardized reading test performances on the Explore Test as well as the Study Skills Self-Assessment (grade 9) are services provided by the Reading Center.

ENGLISH AND COMMUNICATION I / READING (READ 180)

Eligible Grade Level: 9

Credit: 1 unit Language Arts & 1 elective unit

Course Code: A180 / C180

Prerequisites: Junior High Teachers’ recommendations and achievements scores (Requires concurrent registration in the reading section of READ 180)

NOTE: This course satisfies the graduation requirement for English.

Students in this two-semester course will develop competencies in reading, writing, speaking, and listening as well as develop skills in understanding literature and language. Reading instruction will receive special

emphasis. Writing and reading will be integral to the course. Students will be introduced to writing as a process involving many elements leading to a final draft or speech. Students will use writing as a way of clarifying ideas, will write for different purposes and occasions, and demonstrate skill in the use of the conventions of standard written and oral English.

Students enrolled in this course will have a double block of English and reading support and will use the READ 180 program. Students will be placed in this course based upon teacher recommendation and standardized test performance. READ 180 is an intensive reading intervention program that is backed by scientific research. The course includes whole group and small group instruction on reading and writing skills, time for guided independent reading, and an individualized, adaptive instructional software program.

STRATEGIES FOR ACADEMIC SUCCESS

Eligible Grade Level: 9

(Or by permission of the Department Chair)

Credit: 1/2 unit general

Course Code: C321/C3212

This one semester course, which can be repeated, is designed to improve reading as it relates to academic success in high school. The course addresses skills and strategies needed to expand reading proficiency and improve achievement in content coursework.

ADVANCED STRATEGIES FOR ACADEMIC SUCCESS

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit general

Course Code:

Prerequisites: Strategies for Academic Success OR English and Communication department chairperson approval.

This advanced course will focus on improving students' ability to read and work with complex texts. Students in this course will continue to master reading strategies that enable them to be successful in their current area classes, on standardized tests, and in post high school literacy experiences. The course will offer daily instruction and practice in effective reading and study skills as well as the opportunity to practice and apply these learned skills to core subjects.

ENGLISH ELECTIVES

FILM STUDIES

Eligible Grade Level: 12

Credit: 1/2 unit general

Course Code: A681

Prerequisites: English & Communication III

In this course, students will study film as a form of literature. They will study films from both thematic and genre approaches, viewing approximately 20 films which have been selected on the basis of their value as art as well as their impact on the film audience. Students will also study the history, style and technique of making motion pictures. While the emphasis in film studies is on viewing, listening and group discussion, students will also develop their writing skills within a strong expository writing component in the curriculum. The major thrust of the course is to provide students with the opportunity to become "cinema literate." (Some materials studied in this course may be mature in subject matter.)

ADVANCED JOURNALISTIC WRITING

Eligible Grade Level: 11, 12

Credit: 1 unit general

Course Code: A533

Prerequisites: English and Communication IV: Journalistic Expression and Media Literacy or approval of the *Omega* sponsor

NOTE: In the eleventh grade, this course must be taken concurrently with the required English sequence. Students may repeat enrollment in this course.

In this course, students will continue to develop their writing skills by writing articles for the school newspaper. Through a series of news stories, features, editorials, and columns, they will develop their understandings of principles introduced in Journalistic Expressions and Media Literacy. They will also have ample opportunities to confer with their peers and teachers to strengthen their writing process. Also, they will develop confidence in their oral communication skills through extensive interview opportunities. Additionally, they will experience other aspects of newspaper production, including editing, desktop design, page make-up, and use of graphics. In this respect, they may function in editorial positions, guiding public opinion, training cub reporters, and providing departmental leadership.

JOURNALISM WORKSHOP: YEARBOOK

Eligible Grade Level: 10, 11, 12

Credit: 1 unit general

Course Code: A543

Prerequisites: Teacher recommendation

NOTE: In the tenth, eleventh and twelfth grades, this course must be taken concurrently with the required English sequence. Students may repeat enrollment in this course.

In this course, students are provided the opportunity to plan and produce the school yearbook. They will learn to use a desktop publishing system to design both standard page layouts and those which use graphic enhancement. They will also learn the basics of journalistic writing, such as the collection of information through interviewing, organization and development of a good story, and a word processing system for submitting the material. Students will receive training in photography skills, including the composition of the various types of pictures used in a yearbook. An emphasis is placed upon meeting deadlines and adhering to production standards.

FORENSICS (Semester 1 only)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit general

Course Code: A891

Prerequisites: English and Communication I

NOTE: Students may repeat enrollment in this course.

Students in this course, intended for a wide range of students, will participate in a variety of exciting communication events, through which they will develop their thinking and speaking skills. Through activities in interpretation, such as prose reading and humorous interpretation, students will respond creatively to literature developing their analytical reading skills. Through performance activities, such as duet acting and original comedy, students will develop their acting techniques, crafting performances for live audience. Through activities in public speaking, such as oratory and extemporaneous speaking, students will develop their critical thinking skills, learning to reason logically and manage information effectively. Students may elect to participate in interscholastic competition; however, co-curricular participation is not required.

ACTING 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit general

Course Code: A841

Prerequisites: None

NOTE: This course meets the Fine Arts requirement.

Students in this course will learn basic introductory acting principles through the development and performance of pantomimes, improvisations, monologues and duet scenes. Through preparation of scripted performances, they will enjoy opportunities to analyze scenes and characters. In rehearsals, they will experience the excitement of coaching and working with other students. Additionally, they will develop their powers of observation and build self confidence.

ACTING 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit general

Course Code: A851

Prerequisites: Acting 1

NOTE: This course meets the Fine Arts requirement.

In this course, which follows Acting 1 in sequence, students will continue to develop their acting skills and techniques. Working with plays which are more analytically challenging and technically demanding, they will select, cut, and adapt scripts for monologue and duet performances. Additionally they will discover a variety of acting styles, dialects and unarmed combat. Acting 2 is an advanced performance course for the successful and enthusiastic student of Acting 1.

ACTING 3

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit general

Course Code: A861

Prerequisites: Acting 1, 2

NOTE: This course meets the Fine Arts requirement.

In this course, which follows Acting 2 in sequence, students will interpret and perform highly interesting and complex scripts. In addition to the development of advanced acting skills, they will also enjoy the opportunity to direct class productions. Additionally, they will develop an understanding of dramatic history and theory, which will contribute to their development of literary analysis skills and directing techniques. They may for example, perform one scene in different styles, such as Greek, Shakespearean or Commedia and identify the unique features of each style. Acting 3 is particularly beneficial to serious students who plan to pursue acting at the college or community level.

THEATRE DESIGN AND CRAFT

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit general

Course Code: A871

Prerequisites: None

NOTE: This course meets the Fine Arts requirement.

In this course, students will study styles and theories of technical theatre and apply these theories in actual practice. They will study set design and construction, lighting, make-up, sound, props, and costuming. They may become part of various stage crews for school productions, but co-curricular participation is not required. This course is intended for a wide range of students who seek to develop their understandings of the many facets of theatre.

RADIO 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit general

Course Code: A931

Prerequisites: None

In this course, intended for a wide range of students, students will use spoken language to communicate ideas and information. They will receive introductory training in audio control and techniques of the broadcast studio. They will also study the history of radio broadcasting, FCC regulations, basic equipment, announcing, programming, and program writing. Additionally, students will enjoy some elementary hands-on experiences. Radio 1 prepares interested students for continuation in the broadcasting course sequence.

RADIO 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit general

Course Code: A941

Prerequisites: Radio 1

In this course, students who have successfully completed Radio 1 will have opportunities to learn “on-the-air” broadcast writing, directing and production, thus developing both speaking and writing skills. Students will prepare materials for radio broadcast on WDGC-FM, the school district radio facility. The production demands of this course make it primarily a “hands-on” experience, with training on a more sophisticated level in on-mic performance and audio control.

RADIO 3

Eligible Grade Level: 10, 11, 12

Credit: 1/2 or 1 unit general

Course Code: A951

Prerequisites: Radio 1, 2 and permission of instructor

This course is designed for the advanced communication student who has a definite interest in broadcasting as a career. Students will participate in a work/study program involving on-air assignment on WDGC-FM for a minimum of 60 hours plus assigned technical study and news reporting. This course is offered through summer school or on an independent study basis during the regular school year. Students may elect to complete 120 hours for a full credit.

TELEVISION 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 or 1 unit general

Course Code: A961

Prerequisites: None

Television 1 is a course for students who are interested in learning how a television show is produced and how television stations work. This hands-on class teaches students how to operate a camera, how to script and direct a TV show, and how to edit their own productions. Students will be trained as television crew members, gaining professional broadcast communication experience by working with Cable 99, District 99's cable TV station. Projects include a game show, news, live sports broadcasts, and the video yearbook. In addition to Cable 99 productions, students will have the opportunity to produce their own music videos and public service announcements. Upon completion of this one-semester course, students will possess broadcasting and technical skills necessary for basic television production.

TELEVISION 2

Eligible Grade Level: 9, 10, 11, 12

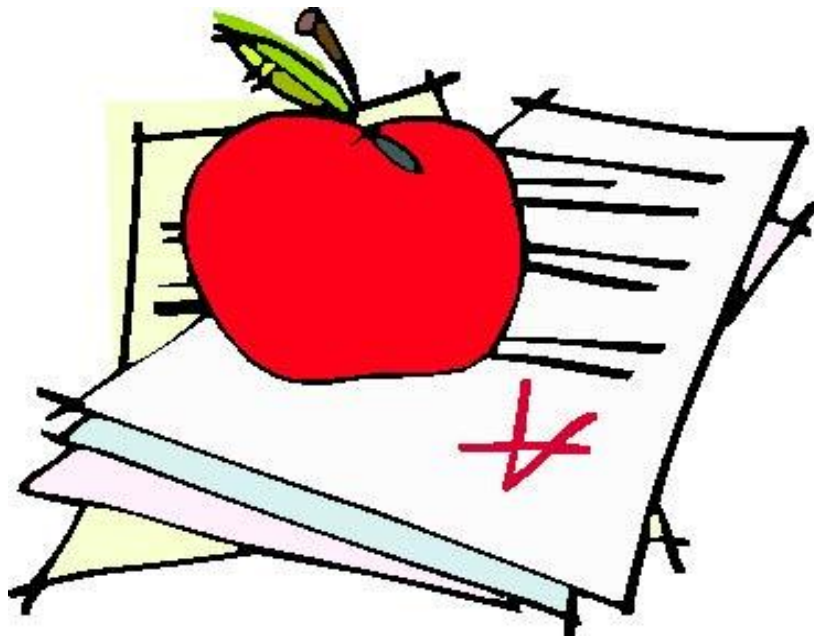
Credit: 1/2 or 1 unit general

Course Code: A971

Prerequisites: Television 1

This advanced television production course allows students to fine tune the skills they have learned in Television 1. In this one-semester course, students will collaboratively create, write, direct, produce, and edit a multi-episode program series to be aired on Cable 99, District 99's cable TV station. Additionally, students

will create individual projects, polishing their work with the goal of airing it on Cable 99. This course is targeted for students considering a career path in the area of broadcast communication.



FINE ARTS

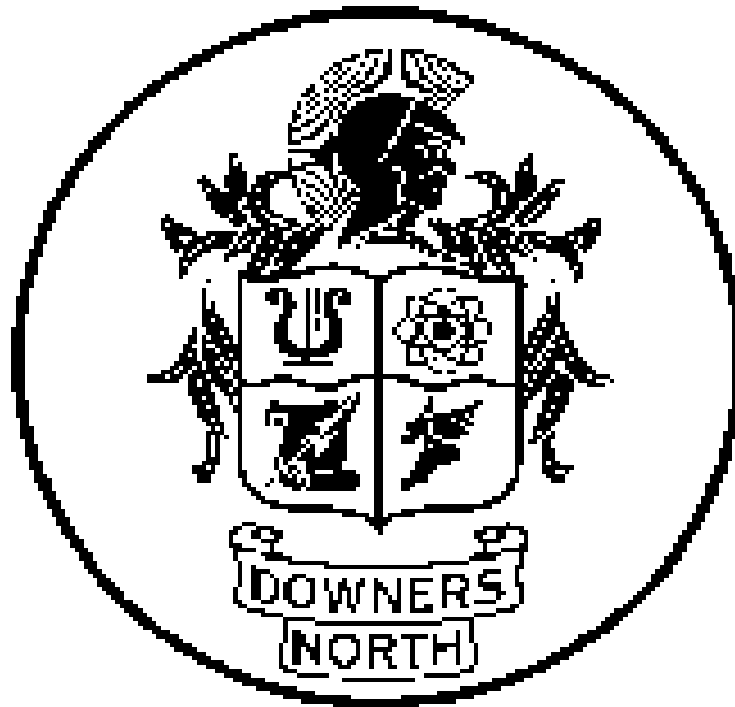
Fine Arts Department course offerings encompass Music and Visual Art. Courses in these disciplines promote individual aesthetic awareness and enable each learner to continue the search for their identity as a creative individual. Curricular experiences in sight and sound enable emotional awareness and development. Students will forge unique pathways to success within a caring, collaborative, communicative learning environment. Music and Visual Art course offerings fulfill the Fine Arts graduation requirement.

MUSIC

Music courses, both performance and non-performance, enable individual aesthetic awareness through experiences and sound. Exploration of sound in both performance and non-performance courses provides learners with experiences in composing, performing and listening to music.

VISUAL ART

Visual Art courses enable individual aesthetic awareness through a variety of 2D and 3D experiences. Exploration of artistic technique through a range of entry level course offerings is encouraged to ensure success in upper level art courses. Several arts courses require students to augment basic supplies with the purchase of additional materials.





MUSIC

Music courses, both performance and non-performance, enable individual aesthetic awareness through experiences in sound. Exploration of sound in both performance and non-performance courses provides learners with experiences in composing, performing and listening to music

CHORAL

Freshman Choir
Concert Choir
Treble Choir
A Cappella Choir

INSTRUMENTAL

Concert Band I
Symphonic Band
Wind Ensemble
Symphonic Orchestra
Concert Orchestra
Jazz Ensembles

NON-PERFORMANCE

Music Theory
Guitar 1
Guitar 2
Pop Music Styles
Digital Music

CHORAL ORGANIZATIONS

FRESHMAN CHOIR

Eligible Grade Level: 9 (females)

Credit: 1 unit

Course Code: I113

The Freshman Choir is open to all incoming female freshman singers regardless of previous singing experience. This class will focus on the development of good singing habits, including proper body positioning for singing, breath support and control, and the establishment of a healthy choral tone. In addition, singers will improve their knowledge of the musical page, and practice sight singing on a regular basis. This group performs at least four times during the school year. Attendance at evening dress rehearsals and concerts is mandatory.

CONCERT CHOIR

Eligible Grade Level: 9 (males), 10, 11, 12

Credit: 1 unit

Course Code: I123

The Concert Choir is comprised of singers who have demonstrated good basic vocal technique, as well as a working knowledge of ensemble singing. The Concert Choir will continue to work on the development of healthy singing tone, both individually and collectively. Literature will represent a wide variety of musical styles, genres, and historical periods. This group performs at least four evening concerts during the school year. Attendance at evening dress rehearsals and concerts is mandatory.

TREBLE CHOIR

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: I133

Prerequisites: Special Selection

The Treble Choir is an auditioned choir of young women who demonstrate a solid working knowledge of vocal technique and choral part-singing. In addition, students selected for this group must also display a desire to excel in rehearsal and performance. The literature selected for performance is written for three or more female voice parts, and represents a wide array of styles, genres, and historical periods. This group performs at least four evening concerts during the school year, and may also participate in choral festivals and clinics outside of the normal school day. Attendance at these events is required.

A CAPPELLA CHOIR

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: I143

Prerequisites: Special Selection

The A Cappella Choir is the most prestigious large choral ensemble at North High School. The choir is comprised of students who have displayed sustained positive development in their vocal music activities, and have shown a special desire to perform choral music at the highest possible level. This group not only performs several times during the school year, but may also be invited to sing at choral festivals, conferences and community events. Commitment to the ensemble through attendance at these events is mandatory.

A CAPPELLA CHOIR - HONORS

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: I153

Prerequisites: Placement in A Cappella Choir by audition, and permission of instructor.

This course follows the same curriculum as A Cappella Choir (see I143) with increased rigor, performance juries, and recital participation. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

SELECT CHORAL ENSEMBLES

Credit: None

In addition to the large choral ensembles, the choral program at North High offers four select ensembles for students who seek added performance opportunities. These groups are smaller than the large ensembles (12-20 members) and sing music that is tailored to these smaller groups. Enrollment is determined by auditions held during the week prior to the opening of school (except Freshman Ensemble, where auditions are held in December). In addition to performing on the various choral concerts, our ensembles are invited to sing at school, district, and community activities.

Freshman Ensemble is comprised of singers in the Freshman Choir and meets one night per week during the second semester.

Concert Singers is comprised of singers in the Concert Choir and meets during 4th period.

Treble Ensemble is comprised of singers in the Treble Choir and meets during 4h period.

Chamber Choir is comprised of A Cappella Choir members and meets during 5th period.

Note: Students who wish to audition for Concert Singers, Treble Ensemble, and Chamber Choir must initially enroll in the appropriate resource period in order to avoid difficult schedule changes later. After auditions have been completed, students not selected for ensemble participation will be reassigned to a regular lunch/resource.

INSTRUMENTAL ORGANIZATIONS

CONCERT ORCHESTRA

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: I230

Concert Orchestra is open to all string instrument players who can meet a standard of preparation and are committed to mature performance. This course is designed for the string player who has had several years of previous instruction on their instrument, either through school or privately. In Concert Orchestra, students mature in their understanding and appreciation of music and string technique, learn orchestral literature, and enjoy fine performance experiences. The full-year course, which meets daily, offers activities including concert, festival, and contest performances requiring extra time commitments for selected evenings.

SYMPHONIC ORCHESTRA

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: I240

Prerequisites: Special Selection

Symphonic Orchestra is the most advanced ensemble for string players. Placement in Symphonic Orchestra is by audition. Students must demonstrate mastery of their instrument, including scales covering the full range of the instrument and knowledge of musical notation, and a commitment to mature performance. Select wind and percussion players enrolled in Wind Ensemble join Symphonic Orchestra for some concerts. Symphonic Orchestra offers students the opportunity to refine their technique and musicianship while learning and performing a variety of symphonic and string literature. The full-year course, which meets daily, offers activities including concert, festival, and contest performances requiring extra time commitments for selected evenings.

SYMPHONIC ORCHESTRA - HONORS

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: I250

Prerequisites: Placement in Symphonic Orchestra by audition, and permission of instructor.

This course follows the same curriculum as Symphonic Orchestra (see I240) with increased rigor, performances juries, and recital participation. The course is offered doe weighted credit, and students must be pre-approved by the course instructor and the Fine Arts Department Chairperson. See course instructor for pre-approval form.

CONCERT BAND I

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: I313

This class is the entry level offering into the North High School Band Program. All entering freshman band students are assigned to this class, unless audition warrants alternative placement. The course is designed for students with previous playing experience through junior high level on brass, woodwind, and percussion instruments. Along with the enjoyment of playing in a large ensemble, students continue to develop playing skills, rhythmic and pitch accuracy, and the ability to sight-read. Knowledge of major scales and minimal technical facility are prerequisites. Woodwind and brass players must provide their own instrument, unless there is a school-owned instrument available. Students in Concert Band I perform in several evening concerts throughout the year and participate in the "TROJAN" Marching Band during the first quarter. Students in this class will be assigned to a 5a or 5b Music Resource, opposite lunch, to accommodate the Marching Band rehearsal schedule (1st quarter) and instrumental music sectional rehearsals (2nd, 3rd and 4th quarters).

SYMPHONIC BAND

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: I333

Prerequisites: Special Selection

The Symphonic Band is an advanced instrumental ensemble that requires serious commitment to musical performance. Prerequisites include thorough knowledge of all scales, as well as technical and sight-reading competence sufficient to perform advanced musical literature. Woodwind and brass players must provide their own instrument, unless there is a school-owned instrument available. Students in Symphonic Band perform in several evening concerts during the year and participate in the "TROJAN" Marching Band during the first quarter.

WIND ENSEMBLE

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: I343

Prerequisites: Special Selection

The Wind Ensemble is the most advanced band organization and requires serious commitment to mature performance. Prerequisites include a thorough knowledge of all scales, as well as technical and sight-reading competence sufficient to perform advanced musical literature. Winds and percussion are selected through audition to perform with the Orchestra for holiday and spring concerts. This full-year course which meets daily, offers activities including concert, festival, and contest performances. Students in the Wind Ensemble participate in the "TROJAN" Marching Band during the first quarter. Students in this class will be assigned to a 5a or 5b Music Resource, opposite lunch, to accommodate the Marching Band rehearsal schedule (1st quarter) and instrumental music sectional rehearsals (2nd, 3rd and 4th quarters).

WIND ENSEMBLE - HONORS

(Can be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: I353

Prerequisites: Placement in Wind Ensemble by audition, and permission of instructor.

This course follows the same curriculum as Wind Ensemble (see I343), with increased rigor, performance juries, and recital participation. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

JAZZ ENSEMBLE

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: I543

Prerequisites: As described below

The Jazz Ensemble program provides music students with an opportunity to explore all forms of jazz through the study of “big band”, combo, and modern jazz literature. While performing jazz music, students will be encouraged to expand their creativity through the process of “improvisation”. Wind and percussion players must maintain membership in either Concert Band I, Concert Band II, Symphonic Band, or Wind Ensemble as a prerequisite for registration in Jazz Ensemble. Jazz Ensembles is offered as a zero hour class (7:00 – 7:50 a.m.). Students must arrange their own transportation.

JAZZ ENSEMBLE HONORS

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: I553

Prerequisites: Placement in Jazz Ensemble by audition, and permission of instructor.

This course follows the same curriculum as Jazz Ensemble (see I543) with increased rigor, performance juries, and recital participation. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

“TROJAN” MARCHING BAND

Credit: None

The “TROJAN” Marching Band is composed of students in Concert Band I, Concert Band II, Symphonic Band, and Wind Ensemble. During the first quarter of the year, these ensembles combine to perform exciting routines at all Downers Grove North home football games, The “TROJAN” Marching Band is known for its high energy approach to music of varied styles, including rock, jazz, and classical. A one-week “Band Camp” is held in mid-August to teach students marching skills and music for the upcoming season.

PLEASE NOTE: “TROJAN” Marching Band is NOT a separate class and does not require special registration. Students enrolled in Concert Band I, Concert Band II, Symphonic Band and Wind Ensemble will rehearse marching band literature during their assigned class time.

NON-PERFORMANCE

DIGITAL MUSIC

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: I411

This course is designed to give students of varied musical backgrounds an opportunity to study creative music composition in a high-tech arena. Students will learn how to arrange, compose, and perform music using digitally controlled synthesizers and computers. This one-semester course will combine a study of various contemporary and historical musical styles with hands-on computer sequencing and digital audio editing techniques. As a result, several original compositions will be created that can be saved as digital audio files.

GUITAR 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: I441

This semester course, which meets daily, will serve as a general introduction to guitar playing for students with little or no previous experience. Elements of basic guitar technique to be covered include: tuning, elementary chords, fingering, basic strums, basic note reading, understanding of basic time signatures and counting. Students will be exposed to the various styles of guitar performance, such as folk, blues, rock and classical music. Students must provide their own 6-string guitar, along with various supplies needed for the care and maintenance of the instrument. Although a textbook is provided, participants must purchase a notebook of supplementary materials that is provided by the instructor. An instrument will be provided for classroom use.

GUITAR 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: I451

Prerequisites: Completion of Guitar 1 or permission of the instructor.

This semester course is an intermediate level class for the guitarist who is past the beginning stages of development, has a high level of interest, and wants to progress to a more advanced level of proficiency on the instrument. Prerequisite is having taken Guitar 1 or the permission of the instructor. Students must furnish their own 6-string acoustic guitar for at-home practice. An instrument will be provided for classroom use.

POP MUSIC STYLES

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: I431

This semester course gives students an opportunity to listen to and evaluate the wide range of popular music of America. Various contemporary and early styles will be explored including folk, Dixieland, blues, jazz, soul, country-western, and various rock styles. Performers and their lifestyles will be examined to determine their influence and impact on the current listening public.

MUSIC THEORY

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: I423

Prerequisites: As described below

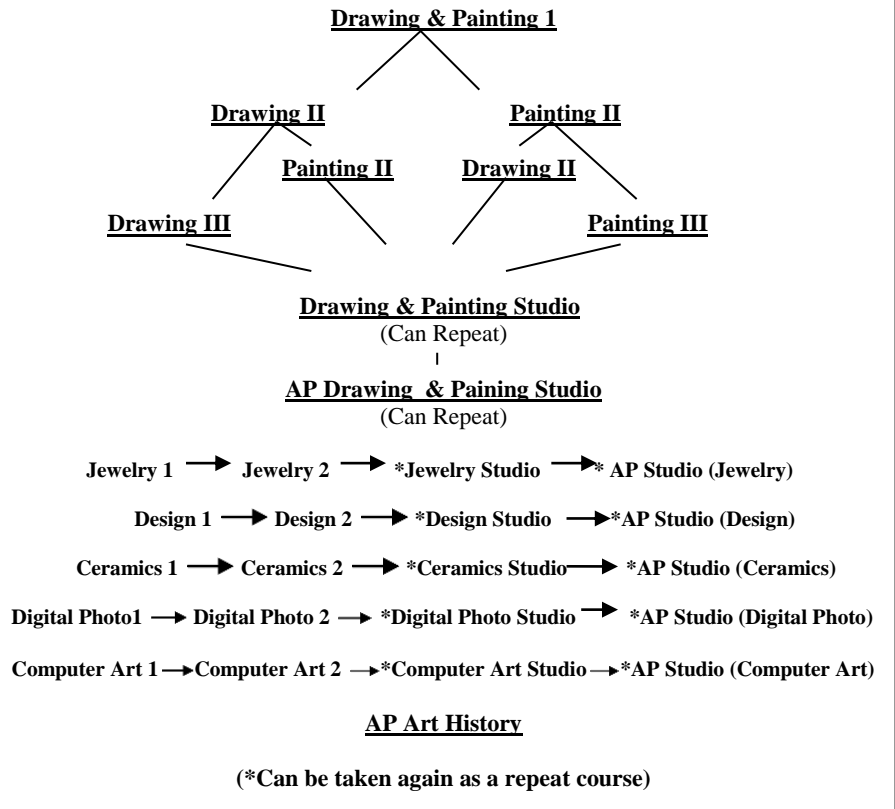
This course is offered for students who have a serious interest in music and want to improve their comprehension of the musical language. Course topics include a review of the basic elements of music, notation, harmony, and analytical techniques with special emphasis on ear training and sight-reading. Individualized projects focus on historical background, composition, and arranging. The first semester of this course may be taken for 1/2 unit of credit. This class is offered as a zero hour class (7:00 - 7:50 a.m.). Students must arrange their own transportation.



VISUAL ART

Visual Art courses enable individual aesthetic awareness through a variety of 2D and 3D experiences. Exploration of artistic technique through a range of entry level course offerings is encouraged to ensure success in upper level art courses. Several Visual Arts courses require students to augment basic supplies with the purchase of additional materials.

SEQUENCE CHART



ART HISTORY SEQUENCE

AP ART HISTORY

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Prerequisites: None

Course Code: H713

The AP Art History course endeavors to engage students at the same level as an introductory college art history survey. The course involves critical thinking and develops an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media. In the course, students examine and critically analyze major forms of artistic expression from the past and present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who have performed successfully on the AP Art History Exam. This course is strongly recommended for students who plan to pursue a career in art, or those who seek humanitarian enrichment and potential advanced placement at the college/university level.

CERAMICS SEQUENCE

CERAMICS 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H211

Prerequisites: None

Ceramics 1 is the fundamental course leading into Ceramics 2 and Ceramics Studio. Students receive instruction in hand building methods such as slab and coil construction. The course also includes an explanation of kiln firing, methods of glazing, methods of decorating, and an introduction to the potter's wheel. All projects are student-planned with the help of the instructor. Work sheets and vocabulary study with some history are also part of the content of this course. Students are encouraged to take pride in their craftsmanship and in their projects.

CERAMICS 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H221

Prerequisites: Ceramics 1

This course is a continuation of Ceramics 1 using the techniques and knowledge of the media gained during Ceramics 1. Ceramics 2 students may specialize at this time in hand building, beginning potter's wheel and sculpture. Advanced techniques in glazing and surface decoration are also more fully explored.

CERAMICS STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H231/H2312

Prerequisites: Ceramics 2

This course is designed for students seeking advanced work in the ceramic arts. Larger and more advanced projects will be included, including advanced work on the potter's wheel. Portfolio development will be a major course goal.

AP STUDIO ART: 3D DESIGN (CERAMICS)

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H241/H2412

Prerequisites: Ceramics 1, Ceramics 2, Ceramics Studio, and/or permission of instructor

This course follows the same curriculum as Ceramics Studio (see H231) with increased rigor and the development of the College Board AP Art Portfolio. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

COMPUTER ART SQUENCE

COMPUTER ART 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H611

Prerequisites: None.

This course teaches students how to use the computer as an artistic tool. Students will expand creative abilities utilizing computer images in a graphic arts format. Working with graphics software, scanners, and digital cameras, students will focus on the elements and principles of design and their practical applications. Previous computer experience is not required.

COMPUTER ART 2

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H621

Prerequisites: Design 1 (formerly Basic Design) or Computer Art 1 (formerly Computer Design)

This course expands upon skills developed in the Computer Art 1 class. More emphasis is placed on creativity and the formation of a personal style. Advanced concepts in Adobe Photoshop and Illustrator are applied to complex, student-directed projects. Poster design, lettering, story illustrations, T.V. storyboards, product design, newspaper and magazine advertisements and package design are some of the commercial media explored.

COMPUTER ART STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H631

Prerequisites: Computer Art 1 and Computer Art 2.

This course expands upon skills developed in the Computer Art 1 and Computer Art 2. Students will design and create artwork that incorporates advanced artistic concepts, including but not limited to: Independent thinking, Self Awareness/Reflection, Portfolio Development & Assembly, Scanned Imagery, Digital Photography, Utilizing Drawing Tablets, Stylistic Exploration, Thematic Concentration Development, Written Critiques and Artistic Statements. Advanced concepts in Adobe Photoshop and Illustrator are applied to complex, student-directed projects. Portfolio development will be a major course goal.

AP STUDIO ART: 2D DESIGN (COMPUTER ART)

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H641

Prerequisites: Computer Art 1, Computer Art 2, Computer Art Studio and/or permission of instructor.

This course follows the same curriculum as Computer Art Studio (see H631) with increased rigor and the development of the College Board AP Art Portfolio. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

DESIGN SEQUENCE

DESIGN 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H511

Prerequisites: None

Design 1 is an excellent foundation course for all art classes. Design 1 encourages creative thinking and problem solving. The elements and principles of design are stressed in a variety of projects that explore pen and ink, colored pencils, and cut paper in both a 2D and 3D form. Emphasis will be on original design, craftsmanship and developing a design vocabulary. Supply expenses are approximately \$10.00.

DESIGN 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H521

Prerequisites: Design 1

Design 2 provides students with the experience in both the two and three dimensional art projects. Students will explore the basic principles and elements of art through a variety of media such as fiber, (basketry, tie-dye, batik), glass, (fusing, slumping), leather, and handmade paper (collage and printmaking). Craftsmanship, techniques and creativity are stressed in this course. Projects may vary from semester to semester.

DESIGN STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H531

Prerequisites: Design 1 and Design 2

Students in Design Studio will use the techniques and knowledge of the media gained during the Design 1 and further developed in Design 2. Students will design and create artwork that incorporates advanced techniques that may include but not restricted to the following: printing techniques, collage techniques, basketry, metalworking, scratch board, sculpture techniques, clay work, glass work, fiber arts, and paper arts. In addition, students will explore advanced design techniques, and will investigate a variety of historical and contemporary mixed media art and artists for future design and technical reference. Students will perfect the ability to critique their work and the work of others.

AP STUDIO ART: 2D DESIGN (DESIGN)

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H541

Prerequisites: Design 1, Design 2, Design Studio and/or permission of instructor.

This course follows the same curriculum as Design Studio (see H531) with increased rigor and the development of the College Board AP Art Portfolio. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

DIGITAL PHOTOGRAPHY SEQUENCE

DIGITAL PHOTOGRAPHY 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H411

Students will emphasize both the creative and technical processes of digital image taking using a digital camera (DSLR). Students will explore lighting, the elements of art (line, value, texture, color and space) and the principals involving composition (selection and arrangement). They will edit, refine, retouch and manipulate their photographs using imaging software such as Adobe Photoshop and Adobe Lightroom. The history and appreciation of photography will be explored by studying both historical and contemporary photographs. Lastly, students will learn how to print photographs for critique, exhibition, and display.

Supply expenses are approximately \$75.00. This course meets the articulated credit requirement of the College of DuPage.

DIGITAL PHOTOGRAPHY 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H421

Students will expand on the basic photographic tools and techniques introduced in Digital Photo 1. There will be an emphasis on both image capture (taking photos) with the digital camera and using the computer as a creative tool. In addition, students will gain an understanding of studio lighting techniques, file management procedures, and more specific software skills using Adobe's Creative Suite (specifically Photoshop and Illustrator) and Adobe Lightroom. Students will create large high quality prints for exhibition. **Supply expenses are approximately \$75.00. This course meets the articulated credit requirement of the College of DuPage.**

DIGITAL PHOTOGRAPHY STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H431

Students will work at a variety of levels that continue to explore the creative and technical possibilities of digital photography. This will include advanced techniques involved in image capture, refinement, manipulation and output. Output may include photographic prints, books, and images online in a personal photographic blog. Students will investigate contemporary digital photographers and current digital imaging practices and applications. Emphasis will be on the development of the student's self-expression using more sophisticated subjects and themes. Students must supply an external drive holding between 32 and 320 GB of memory. Students taking Studio for the second time must supply a portfolio case to store and present their finished artwork. **Supply expenses are approximately \$75.00.**

AP STUDIO ART: 2D DESIGN (DIGITAL PHOTOGRAPHY)

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H441/H4412

This course follows the same curriculum as Digital Photography Studio (see H431) with increased rigor and the development of the College Board AP Art Portfolio. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form. **Supply expenses are approximately \$75.00.**

DRAWING & PAINTING SEQUENCE

DRAWING & PAINTING 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H101

Prerequisites: None

This course offers a wide range of art experiences which prepare students to continue in painting and drawing classes. Students are introduced to color theory, drawing, painting, and compositional design. Students will be exposed to the art elements and principles, which contribute to the development of a work of art.

DRAWING 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H111

Prerequisites: Drawing & Painting 1

In this course, students will explore the basic themes of portraiture, still life and imaginative drawing, while developing skills in the media of charcoal and pastel.

PAINTING 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H121

Prerequisites: Drawing & Painting 1

In this course, students will explore basic themes of still life, portraiture and landscape, while developing skills in a variety of painting mediums, including acrylic, oil, ink wash and water color.

DRAWING 3

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H131

Prerequisites: Drawing 2

Drawing 2 expands upon Drawing 1 skills. Additional media may include pastels, graphite, conte, charcoal, pen and ink, and colored pencil. Personal style and imagination are stressed.

PAINTING 3

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H141

Prerequisites: Painting 2

This course builds on understanding, skills, and techniques developed in Painting 1. The student is encouraged to learn creative ways to use tools and to develop a meaningful personal style. Techniques in acrylic, watercolor, and oil may be explored. Painting styles may include hard-edge and soft-edge abstractions, realism, impressionism and expressionism. The student is encouraged to develop his/her own style.

DRAWING & PAINTING STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H151/H1512

Prerequisites: Drawing & Painting 1, and Painting 2/Painting 3, or Drawing 2/Drawing 3

A variety of painting and drawing media are used by students in this course. Students are encouraged to experiment with many painting and drawing materials and techniques with attention to forming their own individual styles. Portfolio development will be a major course goal.

AP DRAWING & PAINTING STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H161/H1612

Prerequisites: Drawing & Painting 1, and Painting 2/Painting 3, or Drawing 2/Drawing 3, Drawing & Painting Studio and/or permission of the instructor.

This course follows the same curriculum as Drawing & Painting Studio (see H151) with increased rigor and development of the AP Art Portfolio. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.

JEWELRY AND METALWORK SEQUENCE

JEWELRY & METALWORK 1

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H311

Prerequisites: None

Jewelry 1 is a hands-on course that concentrates on the design and construction of fabricated jewelry. Students will produce jewelry in copper, nickel silver, and sterling silver. A forged pin, pendant, double

band ring, texture pin and a stone set ring are the basic projects. Jewelry design, basic jewelry techniques, developing a jewelry vocabulary, and an understanding and proper use of tools are emphasized. **Supply expenses are approximately \$35.00.**

JEWELRY & METALWORK 2

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/2 unit

Course Code: H321

Prerequisites: Jewelry & Metalwork 1

In Jewelry and Metalwork 2, a more complex and sophisticated approach in design and degree of difficulty will be expected. More advanced techniques such as lost wax casting, chain making, fused glass, and various stone-setting techniques will be explored. Jewelry design, techniques, vocabulary and an understanding and proper use of tools are emphasized. **Supply expenses are approximately \$35.00.**

JEWELRY & METALWORK STUDIO

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H331

Prerequisites: Jewelry & Metalwork 1, Jewelry & Metalwork 2

This course is designed for students seeking advanced work in jewelry and metalwork. Topics covered will include etching, forging, raising, forming, PMC, enameling, inlaying, stone setting, bead making, hinges and chain making. Portfolio development will be a major course goal. **Supply expenses are approximately \$35.00.**

AP STUDIO ART: 3D (JEWELRY & METALWORK)

(Can Be Repeated)

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: H341/H3412

Prerequisites: Jewelry & Metalwork 1, Jewelry & Metalwork 2, Jewelry & Metalwork Studio, and/or permission of instructor.

This course follows the same curriculum as Jewelry and Metalwork Studio (see H331) with an increased rigor and the development of the College Board AP Art Portfolio. The course is offered for weighted credit, and students must be pre-approved by the course instructor and Fine Arts Department Chairperson. See course instructor for pre-approval form.



MATH

In a technological society there is a reliance on mathematical competence and understanding to process quantitative information, to solve problems creatively and resourcefully, and to use technology appropriately. Students have different abilities, needs, and interests. Yet each student needs to be able to use mathematics in his or her personal life, in the workplace, and in further study. The Mathematics Department offers a variety of courses designed to provide students with a coherent and challenging curriculum at levels designed to accommodate student differences. Instructional strategies promote engaged student learning and appropriate use of technology as a supplementary tool for learning. To insure proper placement in future coursework, math teachers make individual recommendations for all students each year.

TYPICAL SEQUENCES

Level 100-200

Algebra 100
Algebra 200
Geometry 200
Adv. Algebra &
Trigonometry 200

Level 300 Standard

Algebra 300
Geometry 300
Adv. Algebra &
Trigonometry 300
Precalculus 300

Level 400 Honors

Geometry 400
Adv. Algebra &
Trigonometry 400
Precalculus 400
AP Calculus BC

Other Courses

Consumer Mathematics
AP Statistics
Discrete Mathematics w/ Statistics 300
AP Calculus AB

MATHEMATICS HONORS PROGRAM

The Mathematics Honors Course Sequence is offered as an opportunity for students to experience increased depth and rigor of topics and concepts. Challenging mathematics will be explored in a context which expects higher-order thinking skills, theoretical understanding, forming connections between topics, and making extensions and greater independence. Teachers make recommendations for honors classes based on observations and assessment data. All honors courses are grade weighted.

ALGEBRA 100**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 Unit****Course Code: D553****Prerequisites: Department Approval**

This course covers essential pre-algebra content. Topics include operations with integers, solving and graphing linear equations, data analysis, percents, probability, and basic geometry concepts. Through the application of pre-algebra and pre-geometry skills, the students develop the readiness skills necessary for future success in Algebra 200. **A scientific calculator is required.**

ALGEBRA 200**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 Unit****Course Code: D563****Prerequisites: Algebra 100 or Pre-Algebra equivalent.**

The course is designed to emphasize the development of skills, techniques and applications that deal with algebra, number relations, linear equations, formulas, polynomials, graphing, systems of equations, factoring, quadratic and exponential equations. Completion prepares a student for further work in mathematics, usually in Geometry 200. **A scientific calculator is required.**

ALGEBRA 300**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 Unit****Course Code: D583****Prerequisites: None**

This course emphasizes the development of skills, techniques and applications that deal with number relations, linear equations, formulas, exponents, radicals, polynomials, graphing, systems of equations, factoring, rational expressions, data analysis, quadratic functions, and basic probability. Successful completion of this course prepares students for entry into Geometry 300. **A scientific calculator is required.**

GEOMETRY 200**Eligible Grade Level: 10, 11, 12****Credit: 1 Unit****Course Code: D593****Prerequisites: Algebra 200 grade of C or better is recommended.**

This course integrates the basic principles of geometry and algebra. It is designed for students who would like a complete year of geometry while strengthening foundational algebraic skills. Topics include triangle congruence, similarity, parallelism, properties of geometric solids, quadrilaterals, circles and logical reasoning. Successful completion of this course prepares a student for further work in Advanced Algebra & Trigonometry 200. **A scientific calculator is required.**

GEOMETRY 300**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 Unit****Course Code: D603****Prerequisites: Algebra 300, grade of C or better, is recommended.**

This course deals with sets of points and related properties. Sets studied include lines, angles, polygons, circles, planes and surfaces of geometric solids such as pyramids, cones, cylinders and spheres. This course emphasizes systematic approaches to and processes for proving and applying theorems. Algebra is utilized extensively throughout the course. Successful completion of this course prepares students for further work in Advanced Algebra. **A scientific calculator is required.**

ADVANCED ALGEBRA & TRIGONOMETRY 200

Eligible Grade Level: 11, 12

Credit: 1 Unit

Course Code: D643

Prerequisites: Geometry 200, grade of C or better is recommended.

This course is an extension of Algebra 200 and is intended for students wanting a more basic and practical approach to advanced algebra concepts. Additional topics include the complex number system, sequences, systems of equations, logarithms, exponential functions, conic sections, circular trigonometry, and combinatorics. **A graphing calculator is required for this course. The TI-84 Plus model is strongly recommended. Questions about other types of calculators should be directed to the Department Chair.**

ADVANCED ALGEBRA & TRIGONOMETRY 300

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 Unit

Course Code: D683

Prerequisites: Geometry 300 and a grade of C or better in Algebra 300 is recommended.

This course is an extension of the topics learned in Algebra 300. Additional topics include the complex number system, sequences, matrices, systems of equations, logarithms, exponential functions, conic sections, circular trigonometry, and combinatorics. Successful completion of this course prepares students for entry into College Algebra & Trigonometry 300. **A graphing calculator is required for this course. The TI-84 Plus model is strongly recommended. Questions about other types of calculators should be directed to the Department Chair.**

PRECALCULUS 300

(Formerly CAT 300)

Eligible Grade Level: 10, 11, 12

Credit: 1 Unit

Course Code: D723

Prerequisites: Advanced Algebra & Trigonometry 300, grade of C or better is recommended.

This course is a continuation of Advanced Algebra 300. Additional topics include polynomial, rational, and algebraic functions, vectors, trigonometric equations, identities, inverse trigonometric functions, statistics, polar coordinates, and math induction. Successful completion of this course prepares students for entry into Calculus. **A graphing calculator is required for this course. The TI-84 Plus model is strongly recommended. Questions about other types of calculators should be directed to the Department Chair.**

DISCRETE MATHEMATICS 300

Eligible Grade Level: 12

Credit: 1 Unit

Course Code: D753

Prerequisites: Advanced Algebra & Trigonometry 200 or higher.

Through problem-solving and critical thinking, students will explore applications in several professional and career fields. Topics will include election theory, fair division algorithms, matrices, graph theory, and recursion. The course will also include basic concepts of finite and discrete algebraic structures, activities related to the mathematics of personal finance, review and extension of algebra skills, a survey of statistics and probability, and preparation for college placement testing. This is a *year-long* course. **A graphing calculator is required for this course. The TI-84 Plus model is strongly recommended. Questions about other types of calculators should be directed to the Department Chair.**

AP CALCULUS

Eligible Grade Level: 11, 12

Credit: 1 Unit

Course Code: D763/D783

Prerequisites: Precalculus (formerly CAT) 300/400, grade of C or better is required.

This course covers the material usually taught in differential and integral calculus. Students who successfully complete this course are prepared to take the Calculus Advanced Placement Tests. Sections exist for Calculus BC (upper level) and Calculus AB (regular level); both are grade weighted courses. Calculus BC covers all the material of Calculus AB with greater depth plus additional topics not in AB; thus the pacing is significantly quicker in the BC course. Potentially one section of Calculus BC could be taught at North but relayed through the Distance Learning Facility to a small group of non-District 99 students. **A graphing calculator is required for either course. The TI-84 Plus model is strongly recommended. Questions about other types of calculators should be directed to the Department Chair.**

AP STATISTICS

Eligible Grade Level: 11, 12

Credit: 1 Unit

Course Code: D873

Prerequisites: Precalculus (formerly CAT) 300, grade of C or better is recommended; OR Adv Algebra/Trigonometry 300 with teacher recommendation and department chair approval.

This non-calculus based statistics course is designed to introduce students to the major tools and methods of collecting, analyzing, and drawing conclusions from data. The main topics of study include exploring data, planning studies, anticipating patterns in advance, and using statistical inference. Students who successfully complete this course are prepared to take the Statistics Advanced Placement test. **A TI-84 or TI-84 PLUS graphing calculator is required for this course.**

CONSUMER MATHEMATICS

Eligible Grade Level: 12

Credit: 1 Unit

Course Code: D533

Prerequisites: Department chair approval

Note: Successful completion of both semesters of this course meets the graduation requirement for Consumer Education.

The mathematics associated with consumer topics is the focus of this course. Topics include payroll, banking services, installment purchasing, home rental and ownership, insurance, income tax, and investments. This course satisfies one unit of graduation requirement in mathematics, but does not meet college entrance requirements for mathematics.



PHYSICAL EDUCATION

PHYSICAL EDUCATION

Credit: 1/2 unit

Prerequisites: None

See Graduation Requirements on Page 4

The Physical Education and Health Department of District 99 adheres to the Board of Education philosophy regarding the education of the intellect. Focusing on intellectual as well as physical development allows for total wellness. This comprehensive program is designed to develop and foster knowledge and understanding, creativity, critical thinking, and problem solving.

The Physical Education and Health Department of District 99 values this overall concept of wellness for its students. Encouraging the total development of the student with emphasis upon physical, social and emotional well-being allows for short- and long-term goal achievement. The wellness program designs specific educational and activity programs that include choices and decisions based on healthy attitudes for a positive lifestyle. Specifically, the practical application of physical education and wellness allows for greater kinesthetic sense, aesthetic awareness, self-identity and self-esteem.

This philosophy addresses the premise that physical education and wellness are a part of the educational process seeking to transmit, evaluate and enrich aspects of culture. Sport as a valued cultural form plays a vital role in human life.

With the all-encompassing nature of physical education, opportunities to develop individual potential for a productive, healthy and well-balanced future are possible. It is through psychomotor, cognitive and affective learning that students are prepared for their present educational roles and future goals. The comprehensive program includes fitness and fitness-related activities, team sports, dual sports, individual sports and activities, rhythmic movements, aquatics, life-survival skills, health-related activities and activities promoting lifetime recreational pursuits.

MISSION STATEMENT:

Infuse all four years with activity, fitness, and wellness so students will practice healthy behaviors for a lifetime. In order to meet the departmental Mission Statement, Health themes will be integrated into the Physical Education curriculum. The following are the yearly themes:

PHYSICAL EDUCATION AND WELLNESS I:

Fitness as “We See Ourselves”
Self-Esteem and Decision Making

FIRST YEAR SELECTIVE:

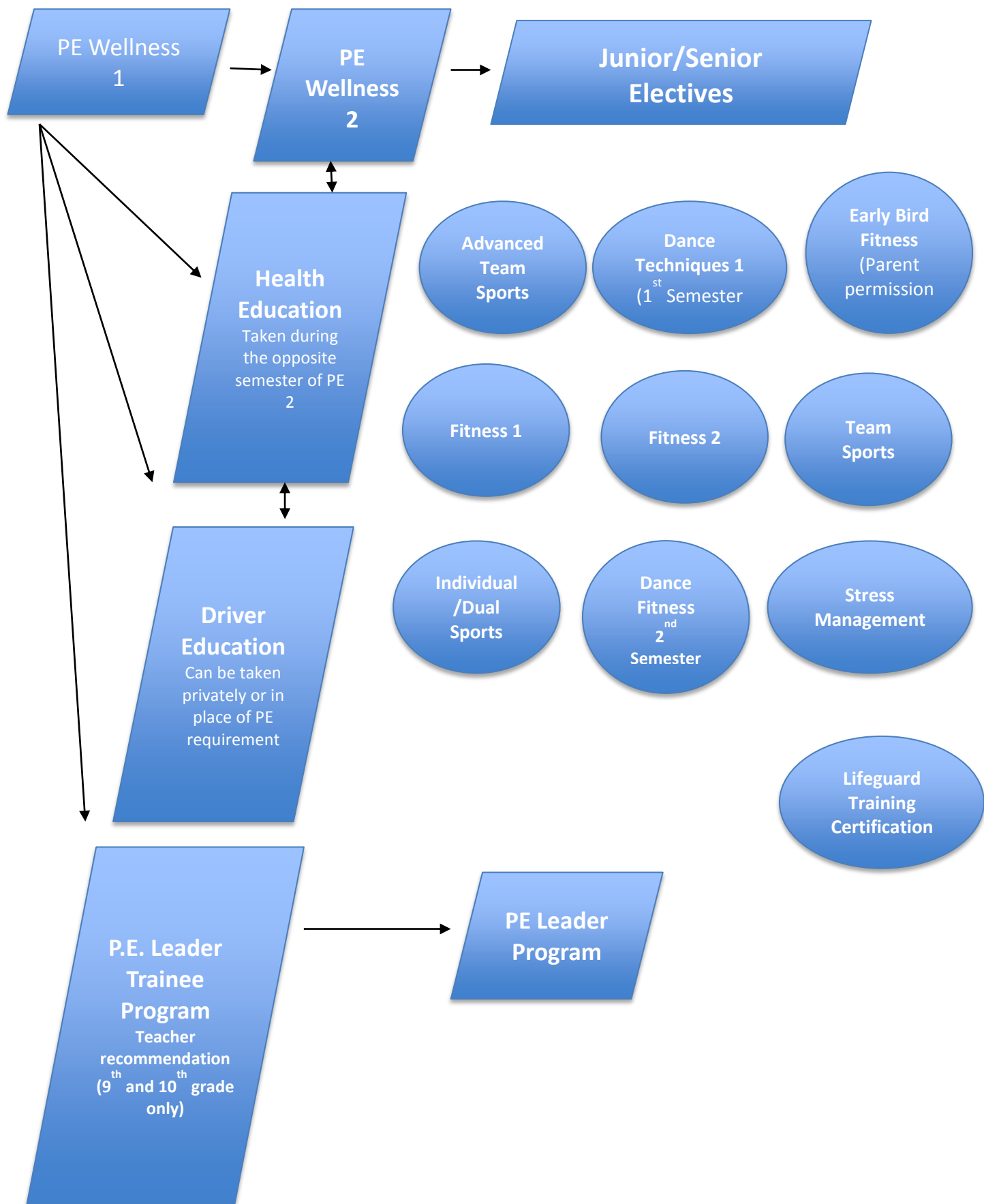
Fitness and “Body Systems”
Anatomy, Nutrition, and CPR Re-Certification

PHYSICAL EDUCATION AND WELLNESS II:

Fitness as “We See Ourselves”
Interpersonal Relationships, Goal Setting, and Time Management

SECOND YEAR SELECTIVE:

Fitness and “Healthy Lifestyles”
Stress Management, “Hot Topics” (guest speakers)
CPR Re-Certification, Personal Physical Fitness and Health Plan



PHYSICAL EDUCATION AND WELLNESS I

Course Code: S001/S0012

Students' entry level experiences in the program consist of participation in a full-year core of activities that focus on the physical development and improvement of the fitness of the student. The activities are sequentially coordinated with the subsequent two semesters of the required sequence. The activities that aid in meeting the intended student learning outcomes in which students will participate are as follows.

- Aquatics I
- Fitness Assessment (Pre- and Post-Test)
- Fitness Games
- Introduction to Fitness
- Introduction to Gymnastics
- Introduction to Weight Training
- Racquet Sports I
- Recreational Games I
- Rhythms I
- Team Sports

PHYSICAL EDUCATION AND WELLNESS II

Course Code: S101/S1012

Students will participate in a minimum of one semester of core activities that focus on the physical development and improvement of the fitness of the student. The activities are sequentially planned as a continuation of the first two semesters. Health education is required prior to the end of grade ten (10). In addition, it is recommended that the third semester of physical development and improvement of fitness also be selected prior to the end of grade ten. The activities that aid in meeting the intended student learning outcomes in which students will participate are as follows:

- Aquatics II
- Fitness Assessment (Pre- and Post-Test)
- Introduction to Aerobic Fitness
- Racquet Sports II
- Recreational Games II
- Team Sports
- Weight Training II

SELECTIVE CURRICULUM

Junior and senior students, who have completed the Physical Education and Wellness I and Physical Education and Wellness II sequence of three (3) semesters of core activity, plus Health Education, will have the opportunity to select and build upon previous physical development and fitness experiences that will begin to individualize and emphasize lifelong physical activity. For successful completion of the Physical Education requirement in District 99, senior students will design a personal fitness and health program which will show understanding of and strategies for taking responsibility for their health throughout their lives. The senior project will be graded as their 1st semester final exam. All Juniors and Seniors will use the heart rate monitors to evaluate fitness improvement throughout the school year.

PHYSICAL EDUCATION LEADER/TRAINEE PROGRAM

Course Code: S801/S8012

Course Code: S851/S8512

A special one-year course is offered, by teacher recommendation only, to sophomores and juniors interested in becoming a Leader within the Physical Education program. The class is geared for the advanced Physical Education student. Students will learn basic teaching fundamentals, offering skills, and leadership techniques. Upon successful completion of the Trainee program, the student will enter the Leader portion of the program. All trainees and leaders receive credit for Physical Education.

JUNIOR/SENIOR 1st SEMESTER OFFERINGS

Advanced Team Sports 1

Course Code: S901

Prerequisite: Completion of PE Wellness II

Students interested in this course selection must have prior approval by a Physical education staff member before registering for the course. A variety of team sports activities along with competitive tournaments, performance statistics, strategies and fitness training will be involved in this highly competitive team sports course.

Dance Techniques 1

Course Code: S301

Prerequisite: Completion of PE Wellness II

This beginner's course is designed to be an exploration into the world of dance. This class will include an introduction to techniques in ballet, jazz, tap, choreography and line dancing, as well as a brief history of each. Proper dance attire and etiquette will be stressed. This course offers an excellent learning opportunity for the first time dance student.

Early Bird Fitness

Course Code: S320

Prerequisite: Completion of PE Wellness II

This course has been designed for individuals who have difficulty fitting all of their classes into their daily schedule. The emphasis of this class will combine basic training principles as well as some team sports activities to reinforce fitness levels. Students will learn various ways to measure fitness improvement, monitor and log activity levels, assess information pertaining to living a healthy lifestyle, and a develop a deeper understanding of the health-related fitness components. This course meets from 7:00 - 7:50 a.m. Students must arrange their own transportation. **A parent permission form is needed to enroll in this class.**

Fitness 1

Course Code: S451

Prerequisite: Completion of PE Wellness II

This course will focus on the fundamental principles of fitness development techniques. Classes will utilize the weight room, but other facilities will be used as well to measure personal fitness levels. Core concepts of strength training, cardiovascular training, and nutrition and stress management will all be introduced. **This course may not be repeated.**

Fitness 2

Course Code: S521

Prerequisite: Completion of Fitness 1

This advance division course focuses on proper mechanics of a wide variety of spotting and strength training and conditioning practices. Footwork speed, agility, plyometric exercise, and cardiovascular training will also be incorporated. Students will learn a variety of ways to measure fitness improvement and how to monitor and log activity levels. **Varsity and Junior Varsity athletes are strongly encouraged to enroll in this course as it will tie class content to their competitive season.** This class will be primarily utilizing the weight room to assess a student's strength level, but other facilities will also be utilized. **This course may be repeated.**

Team Sports 1

Course Code: S391

Prerequisite: Completion of PE Wellness II

The class offers a fundamental experience to popular team sports activities and is the pathway to encourage life-long mental and physical wellness. Participation in team activities and fitness activities will be used to achieve this objective. All health related and skill related components of fitness would be assessed to promote the students ability to develop lifelong wellness goals. **This course may not be repeated.**

Individual/Dual Sports 1

Course Code: S561

Prerequisite: Completion of PE Wellness II

This course offers a fundamental experience to individual and dual activities that encourage lifelong fitness and teamwork. All of the health related and skill related components of fitness will be accessed to promote the students ability to develop lifelong wellness goals. **This course may not be repeated.**

Lifeguard Training

Course Code: S221

Lifeguard training focuses on training students who are already good swimmers and who have a serious interest in pursuing a job as a lifeguard or swimming instructor. Class work and skill development will combine to provide the student with his/her lifeguarding certificate through the American Red Cross. First Aid and CPR certification is also included in this course. The prerequisite swimming skills test is designed not to judge an individual on his/her stroke mechanics, but rather on his/her overall demonstration of swimming strength, endurance and comfort level in the water.

The prerequisite skills for entry into the Lifeguard Training course are:

- Swim 500 yards continuously, using these strokes in the following order:
 - 200 yards of front crawl, using rhythmic breathing and stabilizing propellant kick.
 - 100 yards of breaststroke
 - 200 yards of either front crawl using rhythmic breathing or breaststroke. These 200 yards must be a mixture of front crawl and breaststroke.

- Swim 20 yards using front crawl or breaststroke, surface dive to a depth of 7 to 10 feet, retrieve a 10-pound object, return to surface and swim 20 yards back to the starting point with the object. When returning to the starting point, the candidate must:
 - Hold the 10-pound object with both hands.
 - Keep his or her face above the water.

Students will be expected to serve as lifeguards in Physical Education classes the semesters following their certification. The approximate cost for the course is \$50.00, which includes all books and a pocket mask for the CPR section. In order to complete the certification, students will need to score at least 80% on both the CPR and lifeguard written tests.

JUNIOR/SENIOR 2nd SEMESTER OFFERINGS

Fitness 1

Course Code: S451

Prerequisite: Completion of PE Wellness II

This course will focus on the fundamental principles of fitness development techniques. Classes will utilize the weight room, but other facilities will be used as well to measure personal fitness levels. Core concepts of strength training, cardiovascular training, and nutrition and stress management will all be introduced. **This course may not be repeated.**

Fitness 2

Course Code: S521

Prerequisite: Completion of Fitness 1

This advanced division course focuses on proper mechanics of a wide variety of spotting and strength training and conditioning practices. Footwork speed, agility, plyometric exercise, and cardiovascular training will also be incorporated. Students will learn a variety of ways to measure fitness improvement and how to monitor and log activity levels. **Varsity and Junior Varsity athletes are strongly encouraged to enroll in this course as it will tie class content to their competitive season.** This class will be primarily utilizing the weight room to assess a student's strength level, but other facilities will also be utilized. **This course may be repeated.**

Advanced Team Sports 2

Course Code: S9012

Prerequisite: Completion of PE Wellness II

Students interested in this course selection must have prior approval by a Physical Education staff member before registering for the course. A variety of team sports activities along with competitive tournaments, performance statistics, strategies and fitness training will be involved in this highly competitive sports course.

Early Bird Fitness

Course Code: S520

Prerequisite: Completion of PE Wellness II

This course has been designed for individuals who have difficulty fitting all of their classes into their daily schedule. The emphasis of this class will combine basic training principles as well as some team sports activities to reinforce fitness levels. Students will learn various ways to measure fitness improvement, monitor and log activity levels, assess information pertaining to living a healthy lifestyle, and develop a deeper understanding of the health-related fitness components. This course meets from 7:00 - 7:50 a.m. Students must arrange their own transportation. **A parent permission form is needed to enroll in this class.**

Team Sports 2

Course Code: S3912

Prerequisite: Completion of PE Wellness II

This class offers a fundamental experience to popular team sports activities and is the pathway to encourage life-long mental and physical wellness. The units and activities are different from Team Sports 1. Participation in team activities and fitness activities will be used to achieve this objective. All of the health related and skill related components of fitness will be accessed to promote the students ability to develop lifelong wellness goals. **This course may not be repeated.**

Individual/Dual Sports 2

Course Code: S5612

Prerequisite: Completion of PE Wellness II

This course offers a fundamental experience to individual and dual activities that encourage lifelong fitness and teamwork. All of the health related and skill related components of fitness will be accessed to promote the students ability to develop lifelong wellness goals. During the semester, students will participate in a unit of biking. They will need to provide their own bicycle for the length of the activity. Also, during this course, students will participate in a unit of bowling. The cost of the bowling activity is \$45.00, which covers the transportation and the daily bowling cost for the unit. This cost will be collected at student registration at the beginning of the year. **This course may not be repeated.**

Dance Fitness

Course Code: S4012

Prerequisite: Completion of PE Wellness II

This course incorporates elements of body movement. The main focus is on increasing physical fitness through basic ballet, yoga, and Pilate's workouts. Aerobic benefits will be achieved by incorporating dance activities such as low impact step aerobics, tap, and line dancing. **This course may be repeated.**

Stress Management

Course Code: S3412

Prerequisite: Completion of PE Wellness II

This class is designed to introduce and/or reinforce concepts and strategies of stress management. Classroom instruction will be coupled with hands on stress reducing activities, principles, and workouts. This class includes concepts and techniques in diet and nutrition, exercise, coping skills, conflict resolution, personality type, massage, breathing and imagery as well as others. Opportunities in aerobic activities such as power walking, jogging, elliptical machines, stationary bikes and aerobic games will be blended with weight training opportunities throughout the semester. Instruction will take place in a classroom 3 out of 5 days per week. One of these days is for technique practice, and the other is for paperwork activities and lectures. A notebook and folder are required for this class. **This course may not be repeated.**



HEALTH EDUCATION

The health curriculum is designed as a guide to wellness, which is a way of living each day that includes choices and decisions based upon healthy attitudes. The program provides knowledge for the total development of the individual's physical, mental, and social well-being. Students enrolled in Health must purchase the CPR/First Aid/AEC materials kit. (The cost of this kit will be determined at a later date and will be available in the school bookstore.)

Health Education Program State Requirements

AIDS	Human Sexuality
CPR & AED	Mental Health
Community	Nutrition
Health	Personal Health
Drug Use/ Abuse	Sexually transmitted Disease
Family Living	Stress Management
First Aid Cert.	Wellness

HEALTH 300

Eligible Grade Level: 10

Credit: 1/2 unit

Course Code: Q001/ Q0012

Prerequisites: None; required for graduation

The health curriculum is designed as a guide to wellness, which is a way of living each day that includes choices and decisions based upon healthy attitudes. The program provides knowledge for the total development of the individual's physical, mental and social well-being.

HEALTH 200

Eligible Grade Level: 10

Credit: 1/2 unit

Course Code: Q021

Prerequisites: None; fulfills graduation requirement

Contents of the course are the same as described in Health. The difference is the attention given to basic skills.



DRIVER EDUCATION

DRIVER EDUCATION

Eligible Grade Level: 10, 11, 12

Credit: 1/2 unit

Course Code: R001/R002

Prerequisites: In order to be eligible for Driver Education, the State of Illinois requires that students have passed eight courses (four units of credit) during the previous two semesters prior to taking Driver Education.

NOTE: The classroom phase of this course, not the lab phase, is required for graduation. Students will need to have a drivers permit to be in the Lab phase by the first day of the semester. Students cannot receive their permit until 1 month prior to the start of the program. The school will mail out information about how to get your permit prior to the one month period of time. In preparation of getting your permit, you will need to have a certified copy of your birth certificate, proof of residence, and a \$20.00 check made out to the Secretary of State. The students must be ready to take the Rules of the Road test and vision test. There is a District Fee charged for this course.

The Driver Education program is an integrated program, which means the Classroom phase and Lab phases are taught throughout the semester on a rotating schedule. The oldest students in the school will be given the opportunity to take Driver Education first. A listing of students by birthdates will be used by the counselor to determine the rank in order of eligible students.

The classroom phase will include basic information on Illinois traffic laws, fundamentals of driving, motorcycle laws, alcohol and driving, and basic car maintenance, distractions, and the importance of good decision making. The lab phase consists of 6 hours of driving in a dual control car, enabling the student to experience basic driving skills. (The program changed with the new laws July 1, 2008.)

Parental involvement while the students are enrolled in the course is necessary to provide the additional experience required to develop a competent driver. Parents must drive with the students 50 clock hours (ten hours must be at night) to meet a state requirement before the student can receive their license. A parental/student involvement program (PIP) will be offered prior to the start of each semester. It is an evening planned to introduce the parents to the Driver Education program and the staff members, review new laws, and gives parents guidelines on practicing with their son or daughter.

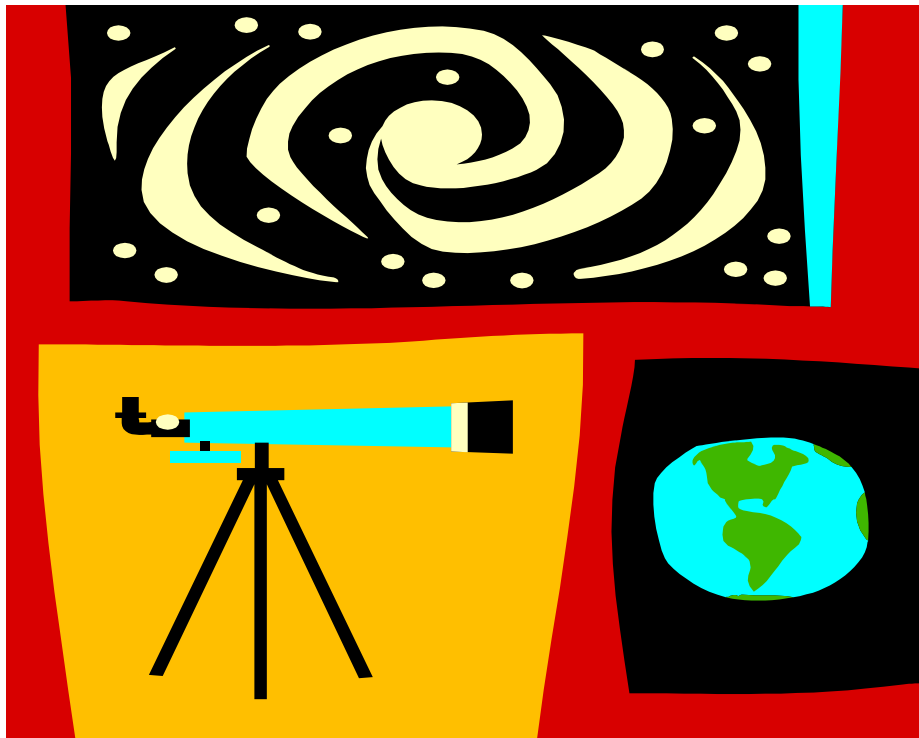
All students who take drivers education during the regular school year are administered the Secretary of State Driving Test (Cooperative Driver Test Program- CDTP). Those students who have a grade of an "A" or "B" in classroom and laboratory and pass the Cooperative Driver Test will receive a certificate exempting him/her from the road test at the Secretary of State facility.



SCIENCE

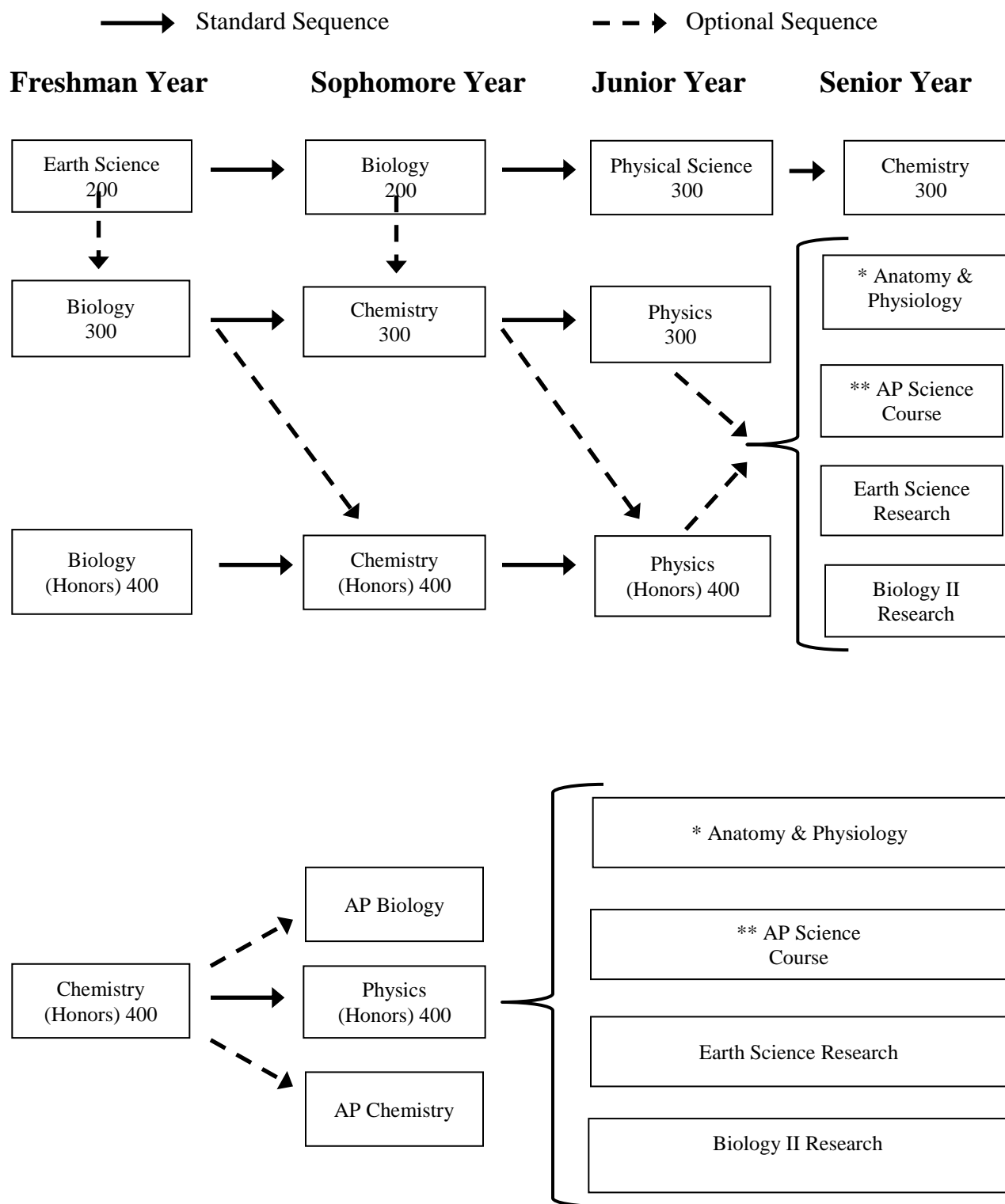
The Science Department believes that a certain degree of familiarity with science is necessary for today's world. The sequence of courses may vary depending upon one's interests and needs. There are courses available for all levels of competence ranging from 400 level sections for more advanced students to 200 level classes for students needing additional support and assistance.

The department offers courses which are sequential in nature and prepare students for college in the biological and physical sciences. Most college admissions criteria include a minimum of at least three credits in laboratory science. Students who are planning careers in science, health, or technical areas should definitely have a three if not a four year foundation in Science. The science department staff and the counselor will assist the student in course selection each year.



DOWNERS GROVE NORTH SCIENCE DEPARTMENT COURSE SEQUENCE 2012-2013

Pathways illustrate typical movement within a sequence of courses; however, adjustments in sequence can be made to accommodate individual needs.



BIOLOGICAL SCIENCES

BIOLOGY 200

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: E083

Prerequisites: Students are enrolled in the course by special selection.

Biology 200 is an introductory course in the life sciences. The core topics covered in Biology 200 are: the scientific method, bacteria and viruses, ecology, cell theory, evolution, heredity and classification. The 200 level utilizes modified materials and activities. The course does not minimize the content requirements for a science course, but the curriculum includes support for science reading and quantitative reasoning. The curriculum is organized at a slower pace which is conducive to the success of assigned students. Laboratory work is an integral and required part of the course.

BIOLOGY 300

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: E043

Prerequisites: Recommendation of junior high science teacher and special placement by Science Department Chair.

Biology 300 is an introductory course in the life sciences. This course is designed to be a college preparatory course. The core topics covered in Biology 300 are: the scientific method, ecology, cell theory, evolution, heredity and classification. Laboratory work is an integral and required part of the course.

BIOLOGY 400 (HONORS)

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit: Grade Weighted

Course Code: E063

Prerequisites: Recommendation of junior high science teacher and special placement by Science Department Chair.

Biology 400 is an accelerated introductory course in the life sciences. This course is designed to be a college preparatory course and is intended to prepare students for future 400(honors) level and advanced science classes. The core topics covered in Biology 400 are: animal and plant biology, ecology, genetics, and evolution. Biology 400 provides a challenging learning environment in which the curriculum is organized at a more rigorous pace conducive to the success of assigned students. Laboratory work is an integral and required part of the course and is highly analytical in nature.

BIOLOGY II: RESEARCH QUESTIONS IN BIOLOGY

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: E073

Prerequisites: Completion of Biology and Chemistry. Completion of/or concurrent enrollment in Physics.

Biology II: Research Questions in Biology provides students with an opportunity to study new emerging issues in the biological sciences in a challenging learning environment. The course requires students to work individually and collaboratively to develop an understanding of the nature of science in order to answer biological questions dealing with genetic engineering, forensic science, human health and environmental action among others. Biology II: Research Questions in Biology is a fourth year elective science option that provides a challenging learning environment designed for college preparation. The course uses a student-centered instructional approach, with students using various technological tools to facilitate the problem-solving process. Real-world experiences provide authentic learning opportunities for students. Laboratory work is an integral and required part of the course and is highly analytical in nature.

ANATOMY AND PHYSIOLOGY

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: E023

Prerequisites: Completion of Biology and Chemistry. Completion of/or concurrent enrollment in Physics.

Anatomy and Physiology is a fourth year elective science option that provides a challenging learning environment designed for college preparation. This course involves a detailed study of the structures and functions of major body systems, and is intended to prepare students for collegiate science classes. College level materials are used. The core topics covered in Anatomy and Physiology are: anatomical terminology, biochemistry, cytology, histology and body systems such as the skeletal, nervous, circulatory, endocrine, respiratory, digestive, urinary, and reproductive systems. Anatomy and Physiology provides a challenging learning environment in which the curriculum is organized at a more rigorous pace. Laboratory work is an integral and required part of the course. The course requires that students conduct physiological experiments and that anatomical study is aided by detailed dissection of a laboratory mammal.

ADVANCED PLACEMENT BIOLOGY (AP BIOLOGY)

Eligible Grade Level: 11, 12

Credit: 1 unit: Grade Weighted

Course Code: E103

Prerequisites: Completion of Biology and Chemistry with a grade of "B" or better and completion of/or concurrent enrollment in Physics. Recommendation by a current science teacher is required.

AP Biology is designed to meet the objectives of a first-year college general biology course. College level materials are used and the curriculum is established by the National College Board. The core topics covered in AP Biology are: molecular biology, plant and animal biology, anatomy and physiology, genetics, ecology, and evolution. Preparatory work for this course will be assigned for students to complete during the summer prior to the school year of enrollment. Laboratory work is an integral and required part of the course and is highly analytical in nature.

Considerable talent and interest in science are necessary for success in this college level course. AP Biology prepares the student to write, in May, a college level Biology Examination of the National Advanced Placement Program. Success on this exam may entitle the student to college credit, advanced college placement, or both.

PHYSICAL SCIENCES

EARTH SCIENCE 200

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: E173

Prerequisites: Students are enrolled in the course by special selection

Earth Science 200 is an introductory course in the physical sciences. The core topics covered in Earth Science 200 are: **geology, oceanography, meteorology, astronomy**, rock and mineral identification, topographic mapping, erosion, plate tectonics, volcanoes, earthquakes, Earth history, cloud classification, storms, weather, climate, sea floor feature, properties of sea water, Earth-moon motions, solar system, stars, galaxies, and the universe. The 200 level utilizes modified materials and activities. The course does not minimize the content requirements for a science course, but the curriculum includes support for science reading and quantitative reasoning. The curriculum is organized at a slower pace which is conducive to the success of assigned students. Laboratory work is an integral and required part of the course.

RESEARCH TOPICS IN EARTH SCIENCE

Eligible Grade Level: 12

Credit: 1 unit

Course Code: E183

Prerequisites: Completion of Biology, Chemistry and Physics.

Research Topics in Earth Science is a technology based research and data driven course that provides students with an opportunity to study Earth System science. Earth as a system consists of geosphere, hydrosphere, atmosphere, and biosphere. Scientific disciplines that are traditionally grouped into the Earth Sciences are Geology, Meteorology, Astronomy, and Oceanography.

Research Topics in Earth Science is a fourth year elective science option that provides a challenging learning environment designed for college preparation. The core topics covered in Research Topics in Earth Science are: Natural Resources, Fossil Record, Natural Disasters, Climate Change and Astronomy. Research skills developed in this class will prepare students for college work. Course work will require students to collect, organize, and analyze information to achieve a fuller understanding of the planet. Students will conduct research in the classroom, the laboratory, as well as in the field.

PHYSICAL SCIENCE 200

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: E193

Prerequisites: Students are enrolled in the course by special selection

Physical Science 200 is an introductory course in the physical sciences. The core chemistry and physics topics covered in Physical Science 200 are: the scientific method, measurement, properties of matter, acids and bases, energy, forces, motion, sound, and light. The 200 level utilizes modified materials and activities. The course does not minimize the content requirements for a science course, but the curriculum includes support for science reading and quantitative reasoning. The curriculum is organized at a slower pace which is conducive to the success of assigned students. Laboratory work is an integral and required part of the course.

PHYSICAL SCIENCE 300

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: E203

Prerequisites: Completion of Biology and completion of/or concurrent enrollment in Algebra 200 or 300.

Physical Science 300 is an introductory course in the physical sciences. The core chemistry and physics topics covered in Physical Science 300 are: the scientific method, measurement, properties of matter, chemical reactions, energy, forces, and motion. The Physical Science 300 curriculum is designed to prepare students for Chemistry 300 and Physics 300. Laboratory work and lab writing are integral and required parts of the course.

CHEMISTRY 300

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: E123

Prerequisites: Completion of Biology and Algebra 200 or 300 and/or concurrent enrollment in Geometry or Advanced Algebra Trigonometry.

Chemistry 300 is an introductory chemistry course that meets the District 99 Physical Science graduation requirement. This course is designed to be a college preparatory course. The core topics covered in Chemistry 300 are: dimensional analysis, matter, gas laws, stoichiometry, the mole, periodicity, reaction types, solutions, thermochemistry, and organic chemistry. Laboratory work is an integral and required part of the course and is highly analytical in nature. This course is not intended to serve as a prerequisite course for AP Chemistry.

CHEMISTRY 400 (HONORS)**Eligible Grade Level: 10, 11, 12****Credit: 1 unit: Grade Weighted****Course Code E143****Prerequisites: Completion of Biology 300/400 and Algebra 300.**

Chemistry 400 is an accelerated introductory chemistry course that meets the District 99 Physical Science graduation requirement. This investigative course is designed to be a college preparatory course and is intended to prepare students for future 400(honors) level and advanced science classes. The core topics covered in Chemistry 400 are: the nature science, the mole, chemical reactions, stoichiometry, kinetic molecular theory, solutions, thermodynamics, equilibrium, and acids & bases. Chemistry 400 provides a challenging learning environment in which the curriculum is organized at a more rigorous pace conducive to the success of assigned students. The course stresses the inquiry method which aids students in discovering fundamental principles and uses the mathematics needed for college chemistry and other related fields. Laboratory work is an integral and required part of the course and is highly analytical in nature.

ADVANCED PLACEMENT CHEMISTRY (AP CHEMISTRY)**Eligible Grade Level: 11, 12****Credit: 1 unit****Course Code: E163****Prerequisites: Completion of Chemistry 300/ 400 with a “B” or better, and completion of/or concurrent enrollment in Physics 300/400. Recommendation by both a Chemistry and Physics teacher is required.**

AP Chemistry is designed to meet the objectives of a first-year college general chemistry course. College level materials are used and the curriculum is established by the National College Board. Preparatory work for this course will be assigned for students to complete during the summer prior to the school year in which they are enrolled in this course. Laboratory work is an integral and required part of the course and is highly analytical in nature. **Considerable talent and interest in science are necessary for success in this college level course. AP Chemistry prepares the student to write, in May, a college level Chemistry Examination of the National Advanced Placement Program. Success on this exam may entitle the student to college credit, advanced college placement, or both.**

PHYSICS 300**Eligible Grade Level: 11, 12****Credit: 1 unit****Course Code: E243****Prerequisites: Completion of Chemistry and Geometry. Completion of/or concurrent enrollment in Advanced Algebra/Trigonometry is required.**

Physics 300 is an introductory Physics course. This course is designed to be a college preparatory course. The core topics covered in Physics 300 are: kinematics, dynamics, energy, and electricity. Laboratory work is an integral and required part of the course and is highly analytical in nature.

PHYSICS 400 HONORS**Eligible Grade Level: 11, 12****Credit: 1 unit****Course Code: E263****Prerequisites: Completion of Chemistry. Completion of Advanced Algebra/Trigonometry 300 or concurrent enrollment in Advanced Algebra/Trigonometry 400 is required. Completion of/or concurrent enrollment in College Algebra and Trigonometry 300/400 is strongly recommended.**

Physics 400 is an accelerated introductory Physics course. This course is designed to be a college preparatory course and is intended to help prepare students for future 400(honors) level and advanced science classes. The core topics covered in Physics 400 is energy with a primary emphasis on kinematics, dynamics, optics, and wave motion. Physics 400 provides a challenging learning environment in which the curriculum is organized at a more rigorous pace conducive to the success of assigned students. Laboratory work is an integral and required part of the course and is highly analytical in nature.

This course will give the student a sufficient background in classical physics to pursue physics or other science-related curricula at a higher level. This course is intended to serve as a prerequisite for AP Physics.

ADVANCED PLACEMENT PHYSICS (AP PHYSICS)

Eligible Grade Level: 12

Credit: 1 unit

Course Code: E283

Prerequisites: Completion of Physics 400 and Chemistry 400 with a grade of “B” or better is recommended. Completion of/or concurrent enrollment in AB/BC Calculus is required.

Recommendation by a Physics teacher is required.

AP Physics is designed to meet the objectives of a first-year college general biology course. College level materials are used and the curriculum is established by the National College Board. This two semester course in physics is designed to give students an in-depth study of classical physics at the university level. A minimum amount of calculus will be provided and used. Laboratory work is an integral and required part of the course and is highly analytical in nature. **Considerable talent and interest in science are necessary for success in this college level course. AP Physics prepares the student to write, in May, a college level Physics Examination of the National Advanced Placement Program. Success on this exam may entitle the student to college credit, advanced college placement, or both.**



SOCIAL STUDIES

Our comprehensive Social Studies curriculum is vital to students as empathic, active participants in our democratic society and the ever-changing global community. A depth of literacy in the social sciences will enable learners to connect current events to historical antecedents in meaningful ways. Classroom experiences facilitate the development of reasoning ability from concrete to abstract. These are key in student development as informed, reflective decision-makers who are able to take and defend diverse positions. Our continued focus on reading, writing and communication, supported by research, interpersonal and technology skill development, promotes student success. Towards these goals we will explore open-ended, essential questions throughout our curriculum.

The chart below shows the sequential social studies graduation requirement and all elective offerings. The electives are open to all junior and senior students. Students are encouraged to read this guide carefully and to consult with their Social Studies teachers and/or counselor for help in selecting courses appropriate to their interests, needs, and abilities. All students are required to take one year of Global Connections, one year of United States History, and one year of electives.

College bound students should be aware that social studies courses are required by colleges and universities for many undergraduate degrees. Furthermore, in order to prepare for professional degrees, many students choose social science majors as their undergraduate program of study. It is recommended that high school students take academically challenging social science and history courses.

SOCIAL STUDIES SEQUENCE CHART

Grade 9: Global Connections OR Global Connections/English I Interdisciplinary

Grade 10: United States History or Advanced Placement United States History

Grade 11 & 12: See electives below

HISTORY ELECTIVES

Ancient & Medieval History
Modern World History
AP U.S. History
AP European History

BEHAVIORAL SCIENCE ELECTIVES

Anthropology
Psychology
AP Psychology
Sociology
Sociology of Gender

SOCIAL STUDIES ELECTIVES

American Government
U.S. Foreign Policy
AP Macro Economics
AP U.S. Gov't. & Politics
Contemporary American Issues
Essentials of Geography
Personal Economics
Law in American Society
Issues in World Culture Geography

DOWNERS GROVE NORTH SOCIAL STUDIES 2012-2013 COURSE SEQUENCE

SCOPE AND SEQUENCE

**Freshman
Year**



*Global
Connections
300*

-or-

*Global Connections/
English I
Interdisciplinary*

**Sophomore
Year**



*United States
History
300*

-or-

*United States
History
(AP)*

**Electives
(Junior/
Senior
Year)**



<p>Advanced United States History (AP)</p> <p>Ancient and Medieval History</p> <p>Contemporary American Issues</p> <p>European History (AP)</p> <p>Law in American Society</p> <p>Modern World History</p> <p>Psychology I</p> <p>Sociology</p> <p>United States Foreign Policy</p>	<p>American Government</p> <p>Anthropology</p> <p>Essentials of Geography</p> <p>Issues in World & Cultural Geography</p> <p>Macroeconomics (AP)</p> <p>Personal Economics</p> <p>Psychology (AP)</p> <p>Sociology of Gender</p> <p>US Government & Politics (AP)</p>
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**GLOBAL CONNECTIONS/ ENGLISH AND COMMUNICATION I
(Interdisciplinary)**

Eligible Grade Level: 9

Credit: 2 units

Course Code: F003

Prerequisites: None

NOTE: This course meets the English I and Global Connections requirements for graduation.

Learning and practicing both the writing and reading process will be integral to the course. This two semester course will develop skills in understanding literature, language and history. The course will provide students with the opportunity for enrichment in reading, writing and research. Students will use writing as a way of clarifying ideas, writing for different purposes and occasions, and demonstrating skill in the use of the conventions of standard written and oral English. Students will examine both the diversity and similarity among the world's peoples and cultures with an emphasis on major civilizations of the past, as well as nations in the world today. Students will engage in interdisciplinary experiences that will require them to draw connections between literature and history and blend research, writing, reading and technological skills to demonstrate their own learning.

GLOBAL CONNECTIONS 300

Eligible Grade Level: 9

Credit: 1 unit

Course Code: F083

Prerequisites: None

NOTE: This course is the first requirement in the Social Studies sequence and is a prerequisite for U.S. History.

Global Connections examines both the diversity and similarity among the world's peoples and cultures with an emphasis on the major civilizations of the past as well as nations and issues in the world today. A historical perspective will be provided to illustrate major world events and movements, and students will develop a knowledge and appreciation for the contributions of the many cultures to our global society. In addition, the course will emphasize skill development, including reading, writing, communication, technology, and research. This, the first required course of the social studies sequence, serves as the foundation for the social studies experience in District 99.

UNITED STATES HISTORY 300

Eligible Grade Level: 10

Credit: 1 unit

Course Code: F523

Prerequisites: Global Connections

NOTE: This course satisfies the graduation requirements in U.S. History and Federal and State Constitutions.

United States History offers students an opportunity to explore essential themes that reappear throughout American History such as the growth of national unity and the development of democratic institutions. The course stresses cause and effect relationships in its analysis of the events and people that have shaped our nation. Considerable time is devoted to the development of basic participatory learning skills such as reading, writing, speaking, listening, and reasoning. As we live in a time of constant change, it is important that today's high school graduates recognize and understand how Americans of previous generations have lived, adapted to change, and progressed.

AP UNITED STATES HISTORY

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: F603

Prerequisites: Global Connections

AP United States History has been designed as a rigorous and challenging experience for those students who are interested in the analysis of the American past as a vehicle to: (1) develop their reading, writing and speaking skills; (2) improve their ability to interpret U.S. History. To that end, students will engage in the following activities: critical reading of college-level text materials; essays and seminar discussions that stimulate analytical reasoning. In addition, this course is designed to prepare students to take the Advanced Placement Test, and will provide opportunities to practice answering all types of questions on that test. Finally, this class emphasizes the modes of inquiry and patterns of activity that students might encounter in a college classroom. This course can fulfill the U.S. History, Federal and State graduation requirements or may be taken for elective credit.

ELECTIVES

Prerequisites for the social studies elective courses are: 1) junior or senior standing, 2) completion of Global Connections, and 3) completion or current enrollment in U.S. History. The third requirement in social studies is met by taking two semesters of social studies elective courses. Transfer students with social studies credit may have different options for meeting the graduation requirements.

HISTORY ELECTIVES

ANCIENT AND MEDIEVAL HISTORY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F121

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

Ancient and Medieval History is designed for the college-bound student who has a serious interest in history. Students analyze a wide variety of written materials, view and discuss the historical veracity of relevant films and documentaries, and investigate how contemporary research is changing our perceptions of the ancient and medieval past. The primary focus of this course is on the development of Western Civilization from the Neolithic Age to 1500 A.D. The first quarter will be spent examining the Ancient world, and the focus of the second quarter will be the European Middle Ages. Students will examine the rise and fall of various civilizations, including Assyria, Egypt, Greece, Mesopotamia, Persia, Rome, and investigate why the fall of the Roman Empire gave way to the “Dark Ages” in Europe. Topics of study for the Medieval Ages include the Viking and Barbarian invasions, the Crusades, medieval art and architecture, daily life in medieval Europe, and the disasters of the late Middle Ages: the Black Death, the Hundred Years War, and the crisis of the medieval Church.

AP EUROPEAN HISTORY

Eligible Grade Level: 11, 12

Credit: 1/2 or 1 unit

Course Code: F613

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

This course has been designed as a rigorous, college-level experience for those students interested in the analysis of European history as a vehicle to further their reading, writing, and speaking skills; and improve their understanding of European History. Students will read challenging, analytical text materials that examine the political, intellectual, social and economic history of modern Europe. They will also be asked to respond in written and oral form to questions that require an analytical perspective. Finally, students will develop their reasoning skills and will practice responding to Advanced Placement level essay and objective questions. Semester 1 topics include the philosophical and geographical foundations of modern Europe, the West in transition (Renaissance and Reformation), the birth of the modern state, and the Enlightenment and its consequences. Semester 2 topics include revolution in the arts and politics, industrialization and the

middle class, liberalism and nationalism, internationalism and the twentieth century. Students may enroll in either or both semesters, although it is strongly recommended that they choose the two-semester option.

MODERN WORLD HISTORY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F401

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

This course is primarily a 20th century history course, beginning with the events leading to World War I and its continuation into the Second World War. There is somewhat of a thematic focus on more in depth topics during the 1920-40's not discussed in Global Connections or U.S. History. Students will explore these topics and themes through research projects and critical readings. The course also tries to examine modern culture such as film, the impact of the automobile and modern consumerism. The second quarter of the course focuses specifically on post World War II topics like the Cold War, the conflicts of the Middle East, the Communist Revolution in China, the de-colonization of Africa and modern day terrorism.

SOCIAL STUDIES ELECTIVES

ANTHROPOLOGY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F381

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History.

Anthropology is the study of human existence including its history, biological basis, language and culture. In this course we will spend time developing and practicing our archeological skills and critical thinking skills by analyzing artifacts and setting up an archeological site in class. Additionally, this course will discuss what makes all humans so similar and different from each other as we study the ways in which people across the world decide to live. In this course you should not only gain a better knowledge of the self and others, but also become more perceptive in recognizing differences and similarities between humans. This course will examine how various components of material and non-material culture such as food and language vary from group to group.

AMERICAN GOVERNMENT

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F001

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

American Government is the study of how we decide to govern our actions in a society. Students will become aware of government's possibilities as well as its limitations from the perspective of sharply opposed points of view. The course strives to develop socially responsible and skilled citizens whose participation can affect public policy. Since democracy is government "by the people," survival of the American system depends upon an active, well-informed, enlightened citizenry. Emphasis will be placed on analyzing current events, clarifying controversial views on the political spectrum, and developing meaningful connections to government through simulations, projects, and guest speakers. Students will develop a commitment to democratic values of individual dignity, equal opportunity, the right of dissent, personal liberties, religious tolerance, and due process. Topics include: foundations of democracy, constitutionalism, political parties and ideologies, presidential powers, campaigns, elections and voting behavior, congressional decision making, interest groups, judicial case law and the changing role of the 21st century American citizen.

CONTEMPORARY AMERICAN ISSUES

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F181

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History.

Education should impart the skills needed for intelligent study and orderly resolution of the problems in a democratic society. Citizens must be able to think critically and rationally about issues of broad public concern. Students need to study issues upon which there is disagreement and to practice analyzing problems, gathering and organizing facts, discriminating between fact and opinion, discussing differing viewpoint and drawing tentative conclusions. This course attempts to examine current topics and issues in this manner. Students will have a voice in the selection of issues and may include but are not limited to: Poverty in America, Criminal Justice, Ethics in Government, Economic Issues, Environmental Issues, Technology and the World of Work, and Conflict Resolution in the Middle East.

ESSENTIALS OF GEOGRAPHY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F201

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

This is an introductory course designed for students with a variety of needs. Geography is a field of knowledge that deals with earth and all life on it. Essentials of Geography is an introduction to the topics of geographic inquiry which will enable students to better understand the world in which they live. Topics will include: The Earth in Space, Map Projections, Latitude, Longitude and Time Zones, Physical Characteristics of the Earth, Weather and Climate, Vegetation and Animal Communities, The Earth's Resources and The Changing Environment. The course will end with a comprehensive study of the United States, Canada and Latin America using the skills learned earlier in the course.

ISSUES IN WORLD CULTURAL GEOGRAPHY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F221

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

This rigorous curriculum is designed for college bound students. Geography is a field of knowledge that deals with earth and all life on it. Issues in World Cultural Geography will introduce students to the study of specific regions and nations of the world. Included are: The Middle East, The People's Republic of China, Africa and The Pacific Rim. A variety of geographic perspectives will be used to investigate each of these nations and regions. Those perspectives are: physical, economic, political, historical, cultural, and environmental geography. **A SERVICE LEARNING COMPONENT MAY BE REQUIRED.**

AP MACRO ECONOMICS

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F241

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History.

Economics addresses the fundamental problem of scarcity or the study of how society manages the unlimited wants and needs with limited resources. More specifically, the class will cover topics on the entire United States economy, such as inflation, unemployment, productivity, government spending and taxation, control of the money supply by the Federal Reserve, and exchange rates. Units of study include basic economic concepts, the financial sector, aggregate supply and demand, measurement of economic performance, fiscal policy, monetary policy and global economics. A personal online investing portfolio, along with a competitive, team-based Stock Market Game, will be integrated into the curriculum

LAW IN AMERICAN SOCIETY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F321

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History.

Any student who is interested in the American legal system will enjoy this course. Street law and the practical application of law are studied. There are five units of study: Constitution and Supreme Court, School and Juvenile law, Criminal law, Civil law and Family law. The class examines landmark Supreme Court decisions. Students analyze first amendment issues in our schools. Students evaluate the steps in the criminal process including the insanity defense and capital punishment. The class will also study the legal challenges facing families today, including marriage and divorce laws. Students will participate in a moot Supreme Court hearing and a mock trial. Students will research significant cases and make presentations to the class. In addition, professionals in law-related careers speak with students. Speakers may include lawyers, federal agents, detectives and school officials. Students will write summary papers connecting professions to the law and the unit of study.

PERSONAL ECONOMICS

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F421

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

Are you financially literate? Do you want to learn about investing, saving for college, buying a car, buying a home and how to use credit wisely? Recent studies show that a majority of high school students lack these skills and are financially illiterate. This class is designed to help students achieve financial literacy in personal finance through a practical, real-world approach. Units of study include basic economic concepts, credit, housing, transportation, investing, budgeting, money and banking, the labor force, insurance, taxes and the global economy. As part of the investing unit, students will generate their own online investing portfolio. Personal Economics satisfies the consumer education graduation requirement for the State of Illinois. It also provides credit for the Social Studies Elective requirement.

PSYCHOLOGY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F441

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

This course provides students with an introduction to the basic terms and concepts in psychology. The study of human behavior is examined. There is an emphasis on up-to-date readings and research finding techniques and the positive side of psychology, i.e. how it can enrich people's lives. Topics include Introduction to Psychology/ Personality Theories, Psychological Methods, Biology and Behavior, States of Consciousness (sleep/dreaming, hypnosis, esp.) Learning Theories, Developmental Psychology and Psychological Disorders. Students may take this course by itself or prior to taking AP Psychology

AP PSYCHOLOGY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F451

Prerequisites: Completion of Global Connections and US History.

AP Psychology is designed to prepare students to take and have success on the AP Psychology exam. It will be a rigorous college level introduction to the systematic and scientific study of the behavior and mental process of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

SOCIOLOGY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F501

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

Sociology is the study of human societies and of human behavior in social settings. Sociology establishes criteria for analyzing social problems and the organization of social institutions such as the family, our educational system, our economic and political systems. Sociology closely examines issues related to racial, ethnic and socioeconomic stratification. Sociology examines cultural values and creates an appreciation and respect for cultural diversity. Specific units include culture, race, ethnic and socioeconomic stratification, the media and deviance. Units have been created with the hope that generalizations about human behavior can be made thus allowing students to better understand their role in society and how improvements in social conditions can be made.

SOCIOLOGY OF GENDER

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F341

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

Through the use of in-depth readings and activities, discussion, and media presentations, this course helps students develop a sophisticated understanding of the role of sex and gender in contemporary America. Some of the topics include: male and female differences, sex role socialization and identity, male/female status from a historical and worldwide perspective, masculinity and the men's movement, the challenges facing the American family, and current economic and social issues. Particular emphasis will be placed on opposing viewpoints regarding work, family and social change.

AP U.S. GOVERNMENT AND POLITICS

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F631

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History.

The U.S. Government and Politics course is designed to prepare students to take the U.S. Government and Politics Advanced Placement Exam. The course includes both the study of general concepts used to interpret U.S. politics, but also analyzes the ties between the various branches of the national government and political parties, interest groups, public opinion, and the media. Students will become familiar with the historical theoretical perspectives on democracy and politics. Underlying the teaching of Government and Politics is the belief that effective and responsible decision-making lies at the heart of the American political system. The course focuses on how government decisions are made, and what some of the causes and effects of such decisions can be. The study of the American political system will be conducted through an integration of intensive writing, reading, class discussion, group work, investigative research, and authentic political experiences.

UNITED STATES FOREIGN POLICY

Eligible Grade Level: 11, 12

Credit: 1/2 unit

Course Code: F621

Prerequisites: Global Connections and completion of or concurrent enrollment in U.S. History

This course is designed to help students understand the major issues confronting America since the end of World War II. Students will be able to identify traditional U.S. foreign policy goals, and be able to explain why the U.S. abandoned its traditional policy of isolationism after World War II. They will also be able to discuss the role of military and economic forces in achieving foreign interests. Possible units of study include: The Theory and Practice of Communism, The Collapse of Communism in Europe, Truman, Eisenhower and the Policy of Containment, Kennedy and the New Frontier, Vietnam, the Middle East and The Nature of American Soviet Relations since Lenin. Group and individual projects will be assigned.

SPECIAL SERVICES

A broad spectrum of instructional programs, classes and support services is offered to students having unique learning needs.

SPECIAL EDUCATION PROGRAMS

Community High School District 99 is a member of SASSED (School Association for Special Education in DuPage County), and special education involvement is directed through the local school attendance area. Procedures for referral, placement, and program development are coordinated by the Department Chair for Special Services. District 99, and its associated districts in SASSED, provides programs for students ages 3 through 21.

Some of the programs offered in the local high schools and/or through SASSED, the special education cooperative, are listed below. Questions regarding special education services should be directed to the Special Services Department Chair.

Mentally Impaired	Physical Impaired
Learning Disabled	Visually Impaired
Hearing Impaired	Deaf-Blind
Emotionally Disturbed	Autistic
Speech & Language	Multiple Disabilities
Other Health Impaired	Traumatic Brain Injury

Placement into any programs/courses listed below is determined at a multidisciplinary conference where an Individualized Education Plan (I.E.P) is developed to address the need for more intensive instruction.

LEARNING RESOURCE CENTER (LRC)

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/4 credit per semester

Students enrolled in this program have been identified for special education services due to difficulties in the learning process. LRC is a structured support period for students to receive monitoring and personalized assistance in meeting both course and district outcomes and state standards. A portion of this period is also devoted to reading fluency, comprehension and math to meet individual academic needs.

LEARNING STRATEGIES

Eligible Grade Level: 9, 10, 11, 12

Credit: 1/4 Unit

Students enrolled in this course have been identified for special education services due to difficulties in the learning process. This course is designed to teach specific school-related strategies for transfer to all other coursework.

INSTRUCTIONAL PROGRAMS**Eligible Grade Level: 9, 10, 11, 12****Credit: Variable**

Students enrolled in this program have been identified for special education services due to learning, behavioral, physical, and/or cognitive impairments. Support personnel are assigned to work with students and staff as needed. Community based curriculum as well as vocational and transition services are all available to students as appropriate. Courses offered in this program fulfill graduation requirements.

SPEECH AND LANGUAGE SERVICES**Eligible Grade Level: 9, 10, 11, 12****No Credit**

Speech therapy and language intervention are provided for those students diagnosed as having one or a combination of an articulation, voice, fluency, or language disability. Enrollment in the Speech and Language program is based upon diagnostic testing and the recommendation of the Speech and Language Specialist.



Prerequisites: None

Eligible Grade Level: 11, 12

Credit: 3 units per year

TCD, a cooperative venture which involves fourteen high school districts, provides a variety of sophisticated career education programs. Recognized as one of the outstanding career and technical education (CTE) programs in the nation, Technology Center of DuPage offers 21 programs within 13 Career Clusters. See www.tcdupage.org for complete information.

TCD programs are full-year courses open to juniors and seniors who have demonstrated serious interest in a goal-oriented vocation. Students who enroll will attend for 2 1/2 hours during the morning or afternoon each day. Students will continue to take their other courses at North or South High Schools. Bus transportation will be provided to and from the TCD Center.

Enrollment in a TCD program is a commitment by the student to regularly attend TCD. For each student attending TCD, District 99 must pay tuition. Therefore, **A STUDENT WILL NOT BE PERMITTED TO DROP FROM TCD AFTER JUNE 29, 2012.** A confirmation letter will be mailed home in June as a reminder of the student's TCD registration. It is the student's responsibility to notify the Counseling & Student Support Services prior to July 1st, if he or she decides not to attend TCD.

APPROXIMATE PROGRAM COSTS

The costs below are the ranges that were established for the 2011-12 school year. In cases where a program fee will cause a special hardship on the student and his/her family, special arrangements can be made, such as allowing the student to purchase materials on a "time payment" basis. **In no case, however, should a program or supply fee prevent a student from enrolling in a TCD Program.**

PROGRAM TITLE

ESTIMATED PROGRAM COST

Architecture & Construction/

Natural Resources

- | | |
|--|--|
| • Construction Trades | \$190-\$350 first year/\$135-\$145 second year |
| • HVAC & Refrigeration | \$215-\$270 first year/\$100-\$120 second year |
| • Landscape Design & Management | \$125-\$235 first year/\$60-\$100 second year |
| • Pathway to Engineering | \$125 first year/\$75-\$85 second year |
| • Residential Wiring & Home Technology Integration | \$350 first year |

PROGRAM TITLE

ESTIMATED PROGRAM COST

Arts, A-V Technology & Communication

- Graphic Communication \$75-\$90 first year/\$35-\$50 second year
- Multimedia & Television Production \$150-\$165 first year/\$65-\$75 second year

Business & Administration

- Data Entry Occupations \$50-\$125 first year/\$5-\$15 second year
- Office Systems Technology \$95-\$125 first year/\$5-\$15 second year

Education & Training

- Early Childhood Education & Care \$75-\$95 first year/25-\$30 second year

Health Science/Public Safety

- Certified Nursing Assistant \$250-\$260 first year
- Criminal Justice \$150-\$185 first year/\$65-\$100 second year
- Fire Science \$250-\$300 first year/\$250-\$300 second year
- Medical & Health Care Careers \$120-\$150 first year

Hospitality/Human Services

- Cosmetology \$475-\$500 first year/\$200-\$300 second year
- Culinary, Pastry Arts & Hospitality Management \$250-\$350 first year/\$250-\$350 second year

Information Technology/Engineering

- Computer Information Systems \$12-\$15 first year/\$12-\$15 second year
- Electronics & Pre-Engineering Technology \$70-\$80 first year/\$85-\$90 second year

Manufacturing/Transportation

- Automotive Technology \$275-\$330 first year/\$60-\$165 second year
- Auto Body Repair & refinishing \$160-\$175 first year/\$160-\$170 second year
- Computer Integrated Manufacturing I \$150-\$175 first year/\$75-\$100 second year

NOTICE ON NONDISCRIMINATION

It is the policy of the Technology Center of DuPage not to discriminate in its educational programs, activities or employment policies with regard to race, sex, national origin or handicap.

ARCHITECTURE & CONSTRUCTION/NATURAL RESOURCES

CONSTRUCTION TRADES

Course Code: N503

Develops skills in new construction and/or additions, alterations and repairs of existing structures, safety practices, and use of hand and power tools. These skills are applied in actual construction projects. Prepares students for apprentice exam. Articulated credit is available with the College of DuPage.

HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION

Course Code: N863

This program covers the mechanical and electrical fundamentals needed to become an HVACR technician. Instruction includes residential wiring, installation, maintenance and repair of residential forced air heating systems, hydronic heating systems, electric furnaces, oil burners, heat pumps and air conditioners. The second year covers sheet metal work and light commercial HVACR equipment. Articulated credit is available with the College of DuPage.

LANDSCAPE DESIGN AND MANAGEMENT

Course Code: N893

Exciting careers in the landscape industry abound. As a result, there are many choices that can be made. You could find yourself applying artistic talents in designing new landscapes or choosing to lead crews in installing landscape projects. You could oversee the management of existing landscapes or find employment in a nursery growing landscape plants or in a garden center selling landscape products! How will the classes prepare you? You will learn through hands-on experiences working with plants and understanding how they grow. You will use principles of art to create designs for landscapes and then apply the techniques for installing patios, decks, and other hardscapes that appear in your designs. You will learn skills in working with clients along with basic business principles associated with the landscape, nursery, and garden center industry. Plus, job placement with a business will give you real life experiences!

PATHWAY TO ENGINEERING

Course Code: N463

Pre-architectural topics include drawing design, architectural drafting and plans, residential and commercial planning, construction principles, 3D models and renderings, and blueprint reading. Pre-engineering topics include drawing design, fasteners, manufacturing materials and forming processes, specialized drafting, 3D solid model and renderings, and advanced drafting design.

RESIDENTIAL WIRING & HOME TECHNOLOGY INTEGRATION

Course Code: N873

The Residential Wiring course begins with the fundamentals of electricity, low voltage wiring, high voltage wiring, network wiring, and system planning, as well as rough in, trim out, and retrofitting. The wiring needs in today's homes go beyond the conventional use of electricity and include so much more. Home Technology Integration is the installation and troubleshooting of several interconnected sub-systems within a house. Sub-systems include audio/visual equipment, computer networking, security and surveillance, HVACR, lighting management, water controls, access controls, and telecommunications. Second semester topics include digital signal theory, HTI system components, cabling, conduit installation and bending, system troubleshooting, planning, and testing.

ARTS, A-V TECHNOLOGY & COMMUNICATION

GRAPHIC COMMUNICATIONS

Course Code: N443

Provides an understanding of the graphic arts and printing industry. Focus is on commercial art, desktop publishing, offset press operations, binding and finishing operations, screen printing and graphic arts management. Articulated credit is available with the College of DuPage.

MULTIMEDIA & TELEVISION PRODUCTION

Course Code: N703

Builds skills in computer editing, digital video, digital audio, multi-track recording, set design, studio lighting, video graphics, and interactive multimedia. Learn all of this within Technology Center of DuPage's multimedia program. Articulated credit is available with the College of DuPage.

BUSINESS & ADMINISTRATION

DATA ENTRY OCCUPATIONS

Course Code: N353

Builds skills in entering input, storing and retrieving files, editing source documents, and basic business principles including payroll and record-keeping. Students have the opportunity to learn word processing along with a variety of other software programs. Articulated credit is available with the College of DuPage.

OFFICE SYSTEMS TECHNOLOGY

Course Code: N223

Helps students develop proficiency in word processing, spreadsheets and database management, records management, operation of office machines, telephone techniques, and administrative procedures. Articulated credit is available with the College of DuPage.

HEALTH SCIENCE/PUBLIC SAFETY

CERTIFIED NURSING ASSISTANT

Course Code: N003

This is a State of Illinois approved Basic Nurse Assistant Program. Completion of class work and clinical experience meets the requirements for eligibility for certification. Students learn to perform basic patient care skills, report observations, communicate effectively with patients, families and staff, and have an understanding of disease and common health problems. Opportunity exists to enhance these skills with Home Health Aide, Med Lab, Pharmacy and other health care related skills. CNA is an entry level pathway to nursing education with state-wide articulation available. When you have completed all of the CNA requirements, time could be spent studying other related health care careers such as Physical Rehabilitation Aide and Pharmacy Technician. Seniors are eligible to participate in the Emergency Medical Technician (EMT) class. Articulated credit is available with the College of DuPage.

CRIMINAL JUSTICE

Course Code: N013

The Criminal Justice program provides an excellent foundation for students interested in pursuing law enforcement as a career. This course will introduce you to the basics of communication skills, traffic laws/traffic enforcement. Criminal law, juvenile law, crime prevention, homeland security and more. You will also learn which career paths require further training or education.

FIRE SCIENCE

Course Code: N043

From putting out fires and rescuing those in danger to handling hazardous chemical emergencies, firefighters run to get into places that other people are running to get out of. The concept of 24/7 service is no more true of any profession as it is for a firefighter. The TCD program will follow the standards of training in NFPA 1001 Standard for Fire Fighters, preparing students for certification as a Firefighter II. Students will become acquainted with all aspects of fire fighting. Articulated credit is available with the College of DuPage.

**MEDICAL & HEALTH CARE
CAREERS**

Course Code: N023

Medical & Health Care Careers is a broad scope program that allows the student to explore various health care careers. Study modules are available for pharmacy, physical therapy aid, emergency medical technician, First Responder, sports safety, radiology assisting, veterinary assisting, dental assisting, and health information. Certification in CPR, First Aid, First Responder, EMT, and pharmacy technician is available.

HOSPITALITY/HUMAN SERVICES

COSMETOLOGY

Course Code: N623

Students learn haircutting, hairstyling, hair coloring, permanent waving, nail technology, esthetics and the application of cosmetics. Hands-on experience is provided in the “Technology Center of DuPage Hair Designs” beauty salon to prepare students for the Illinois Cosmetology examination.

**CULINARY, PASTRY ARTS &
HOTEL MANAGEMENT**

Course Code: N643

The Culinary, Pastry Arts & Hotel Management program gives you the opportunity to learn various aspects of the hospitality industry and gain real-world experience in our student operated businesses. In the first year, different areas of the hospitality industry are experienced, including culinary arts, pastry arts, and hotel management. The second year focuses on supervisory and administrative techniques as well as chef of the day, pastry chef, pantry chef, dining room manager and deli manager. Prepares student for the State of Illinois Sanitation and Safety Certification Examination. You will have the opportunity to participate in the National Restaurant Association Pro-Start Certification program and Hotel/Motel Association of Illinois’ Lodging Management Certification Program (LMP). Articulated credit is available with the College of DuPage.

**EARLY CHILDHOOD
EDUCATION & CARE**

Course Code: N603

Students learn to prepare developmentally appropriate activities for preschool children; implement activities in an on-site laboratory preschool; understand the emotional, social, intellectual and physical aspects of child development; participate in extended campus work experiences. Articulated credit is available with the College of DuPage.

INFORMATION TECHNOLOGY/ENGINEERING

**COMPUTER INFORMATION
SYSTEMS**

Course Code: N263

Students learn how to write computer programs, work with windows and other operating systems, install and configure LANs, debug programs, and much more. Articulated credit is available with the College of DuPage.

**ELECTRONICS & PRE-ENGINEERING
TECHNOLOGY**

Course Code: N433

Students benefit from interactive computer training to learn electronic principles and troubleshooting techniques. The program covers industrial electronics (motor control and robotics), digital circuit operation and repair, and communication devices. Successful completion of the course results in proficiency in installation and repair of electronic equipment. Articulated credit is available with the College of DuPage.

MANUFACTURING/TRANSPORTATION

AUTOMOTIVE TECHNOLOGY

Course Code: N843

ASE-certified instructors build skills in computerized engine controls, electrical systems, tune up, lubrication, fuel system, cooling, exhaust, brakes, steering, and alignment. Second year covers diagnostics and engine building. Leads to ASE certification. Opportunity for qualified students to participate in Automotive Youth Educational System (AYES) factory-sponsored technician training program. Articulated credit is available with the College of DuPage.

AUTO BODY REPAIR & REFINISHING

Course Code: N823

ASE-certified instructors cover all facets of auto body repair including sheet metal and welding techniques, body alignment, finishing and painting, estimating, frame machine and measuring system, and shop management. Leads to ASE certification. Articulated credit is available with the College of DuPage.

MANUFACTURING TECHNOLOGY

Course Code: N403

Builds skills in operating computer controlled milling machines and lathes, electrical discharge machines, plastic injection molding machines, conventional lathes, mills, drill presses, and grinders. Students can learn skills that can be applied to a metalworking apprenticeship. Articulated credit is available with the College of DuPage.

WORLD LANGUAGES

The World Languages Department offers five-year programs in French, Spanish, and German, as well as English as a Second Language. It is recommended that students continue their study of language to fulfill college entrance requirements, to enrich understanding and appreciation of another culture, to broaden their liberal education, to meet career goals, and to enhance travel opportunities. Students entering from junior high schools with the equivalent of one year of high school language should enroll in Level II of the particular language based on teacher recommendation. Students entering with the equivalent of one semester of high school language should enroll in the full year of Level I of the particular language unless otherwise recommended by the teacher. Students will enroll in English as a Second Language based on language proficiency testing.

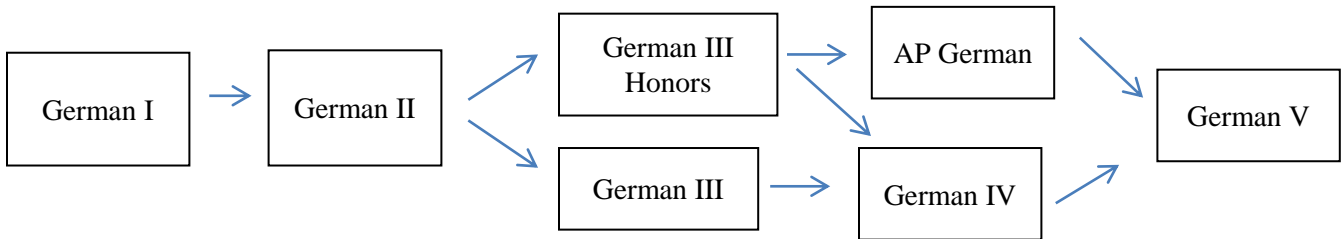
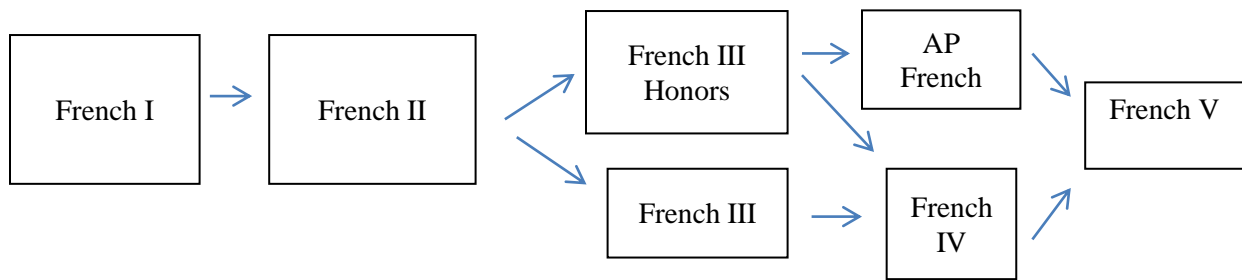
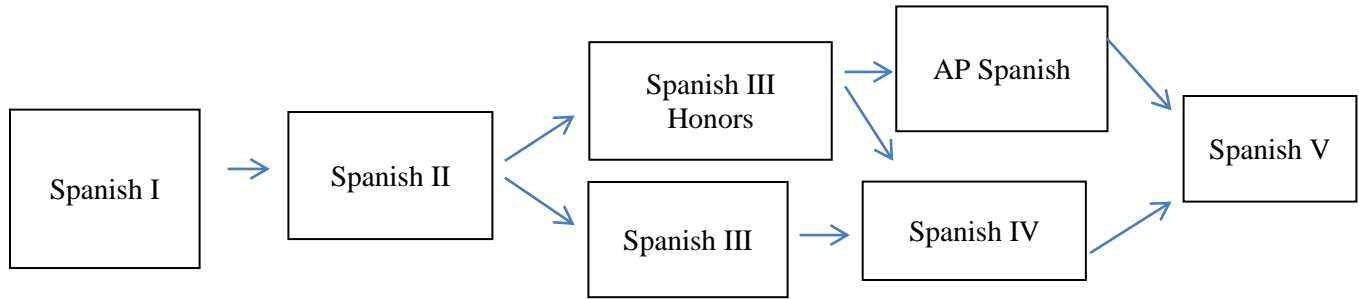
IMPORTANT NOTE: Students whose home language is Spanish must select a Spanish for Native Speakers course or a foreign language option other than Spanish.

WORLD LANGUAGE TRIPS

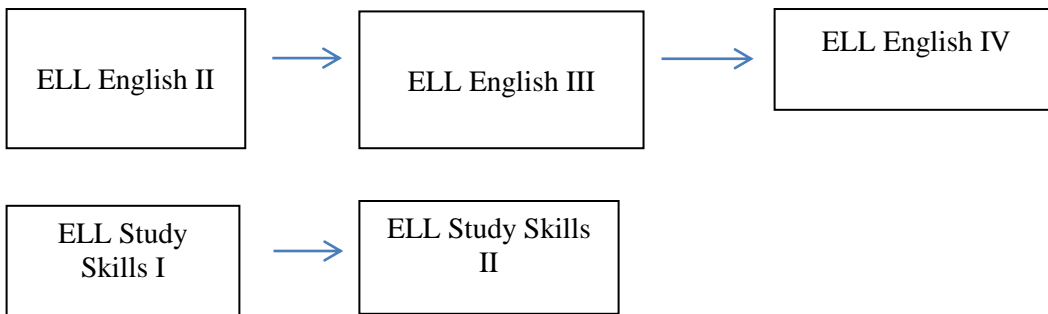
District 99 plans educational trips to foreign lands during spring vacation and summer. Usually students have the opportunity to visit the land of the language which they are studying at some point during a four-year period. Such trips are offered depending on the availability of chaperones and student interest in participation.



DOWNERS GROVE NORTH WORLD LANGUAGE COURSE SEQUENCE



English Language Learners



FRENCH I**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 unit****Course Code: G003****Prerequisites: None**

In the first year of French, students will use the language to communicate information related to their daily life and activities. Students will be able to communicate using one word responses and simple sentences in present, past and future time. Students become familiar with the cultures of the French-speaking world through readings, films and projects.

FRENCH II**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 unit****Course Code: G043****Prerequisites: Proficiency at Level I**

Building on skills acquired in Level I, French II students continue to communicate about their lives as well as to communicate their basic needs as if in the foreign culture. Longer and more complex sentences incorporating a variety of tenses will be used by the teacher and students. Cultural information related to the French-speaking world is integrated throughout the course using the textbook, films, projects and presentations.

FRENCH III**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 unit****Course Code: G063****Prerequisites: Proficiency at Level II.**

French III is designed to engage students in increasingly advanced skill development through authentic materials. Students learn, think critically, and express themselves about a variety of topics in the French language. In the language, the students study of art, geography of the French-speaking world, contemporary literature and culture. The class is conducted in French so that students may maximize listening and speaking skills.

FRENCH III HONORS**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 unit****Course Code: G053****Prerequisites: Proficiency at Level II.**

The sequential core material for this course is the same as French III. The rigor is accelerated; the breadth and scope of the coverage is expanded, and some material is added to challenge the capabilities of the more able students. The course is conducted extensively in French so that students may maximize listening and speaking skills.

FRENCH IV**Eligible Grade Level: 10, 11, 12****Credit: 1 unit****Course Code: G083****Prerequisites: Proficiency at Level III**

Students in French IV continue to improve all communication skills. The student should be at ease with spoken or written French. France's history and literature, studied in chronological sequence, are the basis of study and discussion. Vocabulary is enhanced through readings and films.

AP FRENCH

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: G093

Prerequisites: Language proficiency at Level III

AP French Language is intended for highly-motivated students who are interested in completing studies comparable in content and in difficulty to courses in French composition and conversation at the college level. Students who enroll in AP French Language should already have a good command of French grammar and vocabulary and have competence in listening, reading, speaking, and writing. The class is conducted in French so as to maximize listening and speaking skills. Upon completion of the course, the student will have received instruction necessary for preparation for the Advanced Placement Test.

FRENCH V (Weighted)

Eligible Grade Level: 12

Credit: 1 unit

Course Code: G103

Prerequisites: Proficiency at Level IV

In order to be successful, **the student must assume the responsibility to be self-directed as much learning takes place individually.** The student will continue to improve all communication in French. He/she will initiate conversations and participate extemporaneously, use the language to solve problems, state and support opinions, and express abstract ideas. Students will apply these skills in continuing to study cultural topics and read literature.

GERMAN I

Grade Offered: 9, 10, 11, 12

Credit: 1 unit

Course Code: G143

Prerequisites: None

In the first year of German, students will use the language to communicate information related to their daily life and activities. Students will be able to communicate using one word responses and simple sentences in present, past and future time. Films and audio material, in addition to the textbook, help students appreciate German customs and ways of life.

GERMAN II

Grade Offered: 9, 10, 11, 12

Credit: 1 unit

Course Code: G163

Prerequisites: Proficiency at Level I

Building on skills acquired in Level I, German II students continue to be able to communicate about their lives as well as be able to communicate their basic needs as if in the foreign culture. Longer and more complex sentences incorporating a variety of tenses will be used by teacher and students. Cultural materials such as films, songs and magazines are included.

GERMAN III

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: G183

Prerequisites: Proficiency at Level II

German III is designed to engage students in increasingly advanced skill development through authentic materials. Students learn, think critically, and express themselves about a variety of topics in the German language. The class is conducted in German so that students may maximize listening and speaking skills.

GERMAN III HONORS

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: G173

Prerequisite: Proficiency at Level II

The sequential core material for this course is the same as German III. The rigor is accelerated; the breadth and scope of the coverage is expanded, and some material is added to challenge the capabilities of the more able students. The course is conducted extensively in German so that students may maximize listening and speaking skills.

GERMAN IV

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: G203

Prerequisites: Proficiency at Level III

Students in German IV continue to improve all communication skills. Vocabulary will be increased through various German reading materials, films, and tapes. By means of selected readings, the students will get acquainted with great names in literature, music, art, philosophy, and science.

AP GERMAN

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: G213

Prerequisites: Language Proficiency at Level III

AP German Language is intended to be equivalent but in content and in difficulty to an advanced-level college German language course. Students who enroll in AP German Language should already have a good command of German grammar and vocabulary and have competence in listening, reading, speaking and writing. The class is conducted in German so as to maximize listening and speaking skills. Upon completion of the course, the student will have received instruction necessary for preparation for the Advanced Placement Test.

GERMAN V (Weighted)

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: G223

Prerequisites: Proficiency at Level IV

In order to be successful, **the student must assume the responsibility to be self-directed as much learning takes place individually.** The student will continue to improve all communication in German. Students will initiate conversations and participate extemporaneously, use the language to solve problems, state and support opinions, and express abstract ideas. He/she will apply these skills in continuing to study cultural topics. Students will read some short stories and excerpts from the greatest works of German literature.

SPANISH I

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: G303

Prerequisites: None

In Spanish I, students will use the language to communicate information related to their daily life and activities. Students will be able to communicate using one word responses and simple sentences in present, past and future time. Cultural enrichment is added through readings, discussions, multi-media and projects.

SPANISH II

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: G343

Prerequisites: Proficiency at Level I

Building on skills acquired in Level I, Spanish II students continue to communicate about their lives as well as to communicate their basic needs as if in the foreign culture. Longer and more complex sentences incorporating a variety of verb tenses will be used by teacher and students. Cultural events are presented in the readings, films, projects, and special presentations.

SPANISH III

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: G383

Prerequisites: Proficiency at Level II.

Spanish III is designed to engage students in increasingly advanced skill development through authentic materials. Students learn, think critically, and express themselves about a variety of topics in the Spanish language. In the language, the students study art, geography of the Spanish speaking world, contemporary literature and culture. The class is conducted in Spanish so that students may maximize listening and speaking skills.

SPANISH III HONORS

Eligible Grade Level: 9, 10, 11, 12

Credit: 1 unit

Course Code: G353

Prerequisites: Proficiency at Level II

The sequential core material for this course is the same as Spanish III. The rigor is accelerated; the breadth and scope of the coverage is expanded, and some material is added to challenge the capabilities of the more able students. The course is conducted extensively in Spanish so that students may maximize listening and speaking skills.

SPANISH IV

Eligible Grade Level: 11, 12

Credit: 1 unit

Course Code: G403

Prerequisites: Proficiency at Level III

Students in Spanish IV will continue to improve all communication skills: reading, writing, speaking and listening. Reading materials will vary from magazines and short stories to a novel. Speaking will include presentations, debates and dialogues among other activities. To improve listening skills, students work with one or more feature length films and other authentic sources including television and radio. Vocabulary is enhanced with readings.

AP SPANISH

Eligible Grade Level: 10, 11, 12

Credit: 1 unit

Course Code: G413

Prerequisites: Language proficiency in Level III

AP Spanish Language is intended for students who wish to develop their proficiency in all four skills: Listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading and writing. The class is conducted in Spanish so as to maximize listening and speaking skills. Upon completion of the course, the student will have received instruction necessary for preparation for the Advanced Placement Test.

SPANISH V (Weighted)**Eligible Grade Level: 12****Credit: 1 unit****Course Code: G423****Prerequisites: Proficiency at Level IV**

The student will continue to improve all communication in Spanish. Students will initiate conversations and participate extemporaneously. Students will also use the language to solve problems, state and support opinions, and express abstract ideas. Students will apply these skills in continuing to study cultural and historical topics, as well as literature. He/she will assume responsibility to work and study independently completing group and individual projects on a timely basis.

SPANISH FOR NATIVE SPEAKERS I**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 unit****Course Code: G313****Prerequisites: None**

Spanish for Native Speakers I, is designed to meet the needs of students who already know how to speak and understand Spanish. The course will enhance students' knowledge of the Spanish language and Hispanic cultures and heritage. Students improve literacy skills with an emphasis on reading and writing. This course is conducted completely in Spanish.

SPANISH FOR NATIVE SPEAKERS II**Eligible Grade Level: 10, 11, 12****Credit: 1 unit****Course Code: G323****Prerequisites: Language proficiency at the Spanish for Native Speakers Level I**

Spanish for Native Speakers II is designed to build on the skills learned in Spanish for Native Speakers I. Students continue to improve literacy skills with an emphasis on reading and writing. This course is conducted entirely in Spanish.

ENGLISH LANGUAGE LEARNER PROGRAMS**ENGLISH LANGUAGE LEARNER****ENGLISH: LEVELS II, III, IV****Eligible Grade Level: 9, 10, 11, 12****Credit: 1 Unit****Course Code: G723/G733/G743****Prerequisites: None**

The English Language Learner classes are designed for those students whose limited English proficiency precludes their successful performance in the regular English curriculum. ELL classes are designed to improve speaking, listening, reading, and writing skills of limited English speakers. Enrollment in this program includes a monitoring of student progress in their regular classes, providing help and support where necessary. English Language Learner classes will substitute for regular English credit at the level taken. Enrollment in the ELL program is based upon a student profile and the recommendation of the building ELL coordinator and school counselor.

ENGLISH LANGUAGE LEARNER STUDY SKILLS I, II**Eligible Grade Level: 9, 10, 11, 12****Credit: 1 unit****Course Code: G663****Prerequisite: None**

This two semester course is designed to give students the opportunity to acquire, apply, and transfer new knowledge and skills to all academic classes. During this course, students will specifically practice the application of reading, writing, and test taking strategies. Throughout the year, students will work on learning reading strategies that can be used in all academic classes; these strategies should make all students better and more effective readers. Some strategies included are making connections, asking questions, visualizing, making inferences, determining the main idea, and synthesizing information. In addition, throughout this course, students will also strive to become more competent writers, as well as more prepared test takers

ELL STUDY HALL (Resource)**Eligible Grade level: 9, 10, 11, 12****Credit: None****Course Code: G753/G763**

Students enrolled in this study hall have been identified as needing support based on limited English proficiency. This period allows students to receive personalized assistance to ensure success in their academic classes.