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Name: _____ DATE: _____ CLASS: _____

TENTATIVE FOUR YEAR PLAN

	Sem 1	FRESHMAN	Sem 2	Sem 1	SOPHOMORE	Sem 2	Sem 1	JUNIOR	Sem 2	Sem 1	SENIOR	Sem 2
English		English		English		English		English		English		English
Lunch		Lunch		Lunch		Lunch		Lunch		Lunch		Lunch
P.E./Health		P.E./Health		P.E./Dr. Ed.		P.E./Dr. Ed.		P.E.		P.E.		P.E.
Total Credits												

Total Credits Enrolled / Completed x

GRADUATION REQUIREMENTS: Each number represents 1 semester

	1	2	3	4	5	6	7
English							
Physical Education	1	2	3	4	5	6	
Mathematics (including geometry)	1	2	3	4	5	6	
Science	1	2	3	4	5	6	
Social Science (including American Gov't)	1	2	3	4			
U.S. History	1	2					
Speech or Forensics	1						

Cultural Arts (Art, Music, Foreign Language, Speech Arts Elective - in addition to regular Speech course) 1

Applied Arts (Family and Consumer Sciences, Industrial Technology, Technology Center of DuPage, Co-op, Business Education) 1

Health 1

Consumer Education (Consumer Management) 1

Driver Education 1

Constitution Pass

Summer School

23 ACADEMIC CREDITS (Which include 6 Semesters of P.E.)

After high school I plan to: (check one)

Attend college _____

Attend vocational school or junior college _____

Work full-time _____

Junior or Senior year I plan to: _____

Attend the Technology of DuPage Center _____

Enroll in Cooperative Education _____

Take regular program _____

Total Credits

Dear Student:

It is my pleasure to welcome you to the course selection process. At Glenbard South we are proud of our tradition of academic excellence. That excellence is a reflection of your dedication to a rigorous course of study. This enrollment handbook will be an invaluable guide as you plan for the coming school year, be it as a freshman student just beginning your high school career or a senior preparing for your life after Glenbard South.

Use this handbook to plan a program of study that will challenge you and force you to grow as a learner. We offer a wide range of classes at Glenbard South. Now is the time to try classes that are of interest to you. One of those classes will start you on your career path. Stretch yourself as a learner. Take a class that you know will be a difficult for you. Believe in your own abilities and have faith in the abilities of our marvelous teachers to get you to the finish line. Reaching to greater heights involves a tremendous amount of hard work and sometimes that hard work doesn't always lead to a "5". It will lead to your becoming a better thinker who is prepared for life after high school.

We have a tremendous Guidance department at Glenbard South. They are ready, willing and able to assist you in the very important process of course selection. Your classroom teachers also stand ready to point you in the right direction for next year. Take the time to review the enrollment handbook with your parents. Listen to the wisdom they have to offer. Talk to them about what courses they enjoyed in high school and why. Together all of these people will help you build an engaging and enriching schedule for next year.

Your decision-making at this time is critically important to the way in which we manage our resources. We base our hiring, book purchases, and budget in large measure around the choices you make. **There are new guidelines in place across District 87 for this scheduling cycle that will limit your ability to drop and add classes.** I encourage you to make informed decisions with the help of your parents, counselors and teachers.

Academics are your top priority at school. However we offer a rich and varied co-curricular program. Involvement in music, drama, clubs and athletics will not only add enjoyment to your high school career but will provide the basis for life-long friendships. I strongly encourage you to participate in our co-curricular programs.

Sincerely,



Terri Hanrahan
Principal

Glenbard Township High School District 87 Strategic Plan

Mission: We are a community committed to inspiring and empowering all learners to succeed.

Vision: Our district is a safe, caring, diverse community of schools whose students are:

- Knowledgeable people
- Critical thinkers
- Effective communicators
- Quality producers
- Collaborative workers
- Responsible individuals committed to a greater good in our world.

Inspire ... Empower ... Succeed

Core Values

Learner Focus: We make decisions in the best interests of our students. We believe that students should be responsible for their own learning.

Learning Community: We recognize that everyone shares in the responsibility of creating a safe, nurturing environment in which students are supported and encouraged to learn. We recognize that a partnership with parents and community is critical to our success.

Quality employees: We recognize that our ability to recruit and retain quality employees enhances the attainment of our mission and vision.

Continuous improvement: We will strive for continuous improvement recognizing that being open to change is a risk worth taking.

Professional development: We believe that continued learning for faculty and staff keeps the district aligned to best practice and better equipped to achieve our mission and vision. Learning is an empowering, lifelong process.

Data analysis: We recognize that the use data to enhance instruction and evaluate programs and processes ultimately increases student achievement.

Accountability: We acknowledge that individuals must be accountable for their performance, decisions, and actions that follow.

Communication and collaboration: We recognize effective communication and collaborative decision-making is vital to building understanding, relationships, and trust.

Resources: We will align our resources of people, time, technology, and money to make progress.

Priority 1: Create pathways to success for every student aligning standards, assessment, and instruction.

Engage all students in problem-solving, critical thinking, and the capacity to construct knowledge while connecting curriculum to real-world contexts.

Prepare students for successful transition into post-secondary education and careers through consistent course/subject learning targets, assessments of common course standards and outcomes, consistent use of best practice instructional strategies, and aligned staff development. Develop strategies to provide students with opportunities to take responsibility for their own learning.

Priority 2: Foster a supportive, safe environment that inspires learning and encourages engagement with the school

Provide intervention strategies to address significant achievement gaps for whom they exist.

Create personalized learning environments that address each student's academic, social and emotional needs.

Promote professional learning teams that make efficient use of collaboration time to improve student achievement.

Improve student attendance at all schools.

Priority 3: Strengthen productive home, school, and community partnerships for education

Improve two-way parent and community communication systems to ensure needs and requirements are clearly understood, addressed, and responded to in a timely way. Seek parent and community input into decisions that affect them.

Engage all facets of the Glenbard community to facilitate progress toward achieving the district's shared vision. Collect, report, analyze, and act on student, staff, parent, and community feedback on a regular basis.

Priority 4: Create a positive, collaborative, work environment dedicated to continuous improvement

Improve two-way communication systems between the district office and all schools to ensure all needs and requirements are clearly understood and responded to in a timely way. Seek staff input into decisions that affect them. Recruit and retain a highly qualified staff that reflects the diversity of our students. Set clear expectations for all employees and provide meaningful evaluation to celebrate strengths and provide opportunity for growth. Collaborate within and among schools and district office to define district parameters while allowing for individual school autonomy.

Priority 5: Make efficient, effective, and equitable use of resources that are essential to the educational success of students.

Develop a clear process to allocate financial resources aligned to strategic mission, vision, and priorities.

Increase staff, parents, and community awareness of the district's five-year financial forecast and how district financial data compares with high school districts in the area. Support appropriate use of technology to enhance teaching and learning.

GENERAL INFORMATION

I. EDUCATIONAL PROGRAM

A. Educational Philosophy of Glenbard Township High School District 87 (Adopted December 8, 1997)

The fundamental purpose of the Glenbard High Schools is to provide educational experiences that will enable each student to develop talents and capabilities in order to assume a responsible role in a global society. While maintaining high standards for achievement, the District emphasizes the intellectual, physical, emotional and social development of each student. The District's educational program recognizes the dignity and worth of the individual, and seeks to preserve and enhance within each student a sense of personal responsibility and tolerance of others.

In providing these educational experiences, the District acknowledges that the interaction between teacher and student is central. The District expects the use of varied teaching methods which will address different learning styles and promote active student learning, gender equity, and multicultural fairness.

The District's commitment to education can best be fulfilled through cooperation and active involvement of teachers, parents, and other community organizations who share responsibility for the welfare and development of the student.

The objectives of the educational program are:

1. To provide a comprehensive classroom program in accordance with student needs and interest, the level of community support, and governmental mandates.
2. To instruct all students in a program that includes academic subjects in the humanities, arts, sciences, career and physical education, and to offer extracurricular activities, guidance, counseling, and library services.
3. To assist students in developing problem-solving attitudes and skills through the process of discovering and organizing knowledge and critically evaluating information.
4. To provide an environment which stimulates critical, creative, and evaluative thinking skills and which promotes the desire for acquiring further knowledge.
5. To help students understand, adjust to, and effect changes in society and in technology.
6. To promote an understanding of the political, social, and economic systems of the United States.
7. To offer students opportunities through which they may experience rights and responsibilities of our democratic society.
8. To inspire respect for the United States of America and for the democratic process and to demonstrate concern for all people.

B. Graduation Requirements Extramural Credit Options

According to Board of Education policy 6:310, students may earn up to four units of credit from any combination of correspondence or Internet courses, high school courses offered by other institutions, foreign language courses or college courses. All programs must be part of an accredited institution and must meet the standards of the Illinois State Board of Education. All courses must have the pre-approval of the Guidance Department Chairperson prior to enrollment. Only two of four courses can be applied to Glenbard's graduation requirement. For additional information on this policy, please reference School Board Policy 6:320 at www.glenbard87.org

Minimum Requirements For Graduation		Admission Requirements To Public Universities in Illinois	
<p>From Glenbard South High School for the Class of 2013</p> <p>Each student will develop a four-year plan for the courses to be taken during his/her high school career. The plan should take into consideration graduation requirements and the student's post-high school plans. Individual college and university entrance requirements should be considered as well as requirements for entrance into specific careers.</p>		<p>It is important to emphasize that the graduation requirements listed previously represent the minimum program of studies for High School students. Entrance requirements to particular colleges and universities may be considerably more stringent. The following high school program is required for admission to all public universities in Illinois. Students who are planning to apply to highly selective colleges and universities should consider four years of mathematics, science and foreign language.</p>	
Course	Credits	Course Requirement	Credit
English	3.5	English – Emphasis on written & oral communications & literature	4.0
Speech	0.5		
American Gov't	0.5		
Social Studies	1.5	Social Studies – Emphasis on history and government	3.0
U.S. History	1.0		
Mathematics – including Algebra and Geometry	3.0	Mathematics – Including geometry, algebra, advanced algebra, trigonometry	3.0
Science	3.0	Science – Emphasis on laboratory sciences	3.0
Cultural Education	0.5		
Applied Arts	0.5		
Health Education	0.5		
Driver Education	0.0		
Consumer Education	0.5		
Physical Education	3.0		
Electives	5.0	Electives – Four semesters in foreign language, art or music	2.0
TOTAL CREDITS:	23.0		

Daily Physical Education Program

	<u>Semester 1</u>	<u>Semester 2</u>
Grade 9	PE or Health	PE or Health
Grade 10	PE or Driver Education	PE or Driver Education
Grade 11	PE	PE
Grade 12	PE	PE

Due to the continuing state mandate of daily physical education except during the semesters that Health and Driver Education are taken for the first time, the sequence for accumulating the necessary three credits in PE will be a one semester course in PE during the freshman year, a one semester course during the sophomore year, and a full year of PE during the junior and senior years.

Students may choose to take elective PE classes in addition to the required courses--up to four credits may be used toward graduation. However, it should be noted that additional elective courses taken in physical education during a particular school year cannot be substituted for the state PE requirement in a later school year. Grades earned in physical education will be used in computing a student's grade point average.

For specific criteria for physical education waivers, please refer to Board Policy 6:310-R6.

C. Comprehensive Program

The educational program provided by the Glenbard High Schools is of a comprehensive nature. As such, it provides for two general kinds of educational experiences--regular classroom activities and those called co-curricular.

The courses-of-study as set forth in this book are designed to provide for the common as well as the individual educational needs of students. The meeting of common needs is emphasized in required courses; the meeting of individual needs is provided for in elective courses and in adapting the content and instruction of courses to the needs of individual students. Course content is planned to develop knowledge, understanding, attitudes, ideals, habits, and skills which are important to a full life in the American democracy.

D. Provision for Individual Differences

In addition to efforts by each teacher, Glenbard attempts to meet the individual needs of students by providing regular and AP/Honors level courses in several academic areas. A student's permanent record is marked to indicate if the level of the courses taken is other than the regular level. Course offerings are designed to meet the diverse needs of all learners. Beginning with the 2009-2010 school year, academic offerings will include:

1. Regular Education Courses

The majority of students are enrolled in classes which offer excellent preparation either for college entrance or for entering a career field after high school.

- The content of the course should be rigorous and enriched. Students shall be given opportunities to assume responsibility for development through research, in-depth study, and discussion.
- The learning objectives of the course should emphasize the higher levels of cognition: analysis, synthesis, and evaluation.

2. Honors and Advanced Placement Courses

Honors courses are designed to be a challenge to the student with superior ability and motivation by enriching the course and/or accelerating the course content. Students earning a "3", "4", or "5" in these courses will receive weighted grades to be used in computing class rank. If middle school grades and written teacher recommendations corroborate the student's apparent ability, the student may be placed in the Honors section of the appropriate academic area.

- The content of the course should be rigorous, enriched, and rapidly paced. Students shall be given greater opportunity to assume responsibility for development through research, in-depth study, and discussion.
- The learning objectives of the course should emphasize the higher levels of cognition: analysis, synthesis, and evaluation.
- Grade acceleration alone is not sufficient reason to grant an Honors designation. The content of the course must be significantly different from a regular section of the same course title.

Students must be recommended for admission and continuation in Honors classes.

Advanced Placement courses are Honors courses which follow at least 75 percent of the syllabus provided by the College Board Advanced Placement Division. These courses are designated (AP) in this handbook. Students in AP classes have the opportunity to take Advanced Placement exams. Success on these examinations may qualify students for advanced placement and/or credit from their college or university.

3. Independent Study options are provided for motivated and mature students. Study projects can be initiated through any faculty member subject to the approval of the particular department chairperson, student's counselor and principal.
4. Special Education Courses
Students are staffed into Special Education courses based on recommendations in their Individualized Education Plan (IEP). Parents should contact the Department Chair with questions regarding eligibility.
 - Course availability is dependent strictly on student need as documented in each student's IEP.
 - All curricula used by the Special Education Department may be adapted as necessary to meet the specific learning needs related to an individual student's disability.
5. English Language Learners (ELL) Courses
The ELL program is available to students who demonstrate limited English language proficiency. Student placement will be determined by teacher recommendation, ACCESS and local assessments.
6. Directions Program
The Directions Program is an alternative high school program sponsored by Glenbard Township High School District 87, Glen Ellyn, DuPage Community High School District 88, Villa Park, and Community High School District 99, Downers Grove. The program is designed for at-risk freshmen and sophomores.
7. A Review Course is one that a student has taken previously and has received credit. Generally, a student is attempting to improve the grade by retaking the course. A student who completes a review course does not receive credit even if the course is taken at a different grade level. Both grades, however, are used in computing the student's GPA, and both courses will appear on the student's transcript. In terms of athletic or Driver Education eligibility, a review course may not be counted either as one of the four majors which the student needs to pass during the athletic season or as one of the four courses which a student must pass during the semester prior to the athletic season, or as one of the eight courses required prior to taking Driver Education.
8. Guidance Services are provided for all Glenbard students. Students are assigned counselors who are available to them and their parents throughout the four years of high school, as an aid in planning an educational program or solving personal problems. The services of a psychologist, communication specialist, and social worker are provided.

II. PLANNING A FOUR-YEAR PROGRAM

A. Definition of Terms

1. The credit is the measure of school achievement. For successful completion of a semester's work in a subject meeting daily for one period, a student receives one-half credit.
2. A prerequisite is a course or level which a student must complete before other courses may be taken. Prerequisites are listed in the course descriptions.
3. Required courses are courses which a student must complete in order to earn a Glenbard diploma.

B. Career Preparation

1. Career

The Glenbard High Schools provide students many opportunities to prepare themselves for entrance into specific careers. In a sense, the entire curriculum can be considered as vocational preparation. Students are encouraged to discuss with their counselors the sequence of courses which will provide them with the prerequisite training needed for further work in a career area.

2. College

Colleges vary greatly in their admission requirements. In order to avoid disappointment, the student should carefully plan a four year program. The standards require that freshmen must have had four years of high school English, three years of social studies, three years of mathematics, three years of laboratory science and two years of electives in foreign language, art or music.

It is recommended that the student participate in two major testing programs which are used by colleges for admission purposes. These are: The American College Testing Program and The College Entrance Examination Board program. The ACT is taken by all juniors in the spring.

Universities with highly selective admission policies may also require the student to take two or three College Board Achievement Tests during the student's senior year.

The Glenbard High Schools provide many services for the college bound student and parents. Informational meetings for students and parents are held throughout the year. College representatives regularly visit the high schools to talk to interested students.

Parents are encouraged to discuss college plans with members of the guidance staff. It is also highly recommended that the student and parents visit several college campuses before a final selection is made. In September, an annual DuPage County "College Night" is held at the College of DuPage where more than 250 college representatives are available for students and parents to learn about a variety of post high school opportunities.

3. Vocational - Technical Center of DuPage

The Technology Center of DuPage is sponsored by DuPage Area Occupational Education System (DAOES). Member districts include: Hinsdale Township High School District 86, Glenbard Township High School District 87, DuPage High School District 88, Community High School District 94, Community High School District 99, Fenton Community High School District 100, Lake Park Community High School District 108, Wheaton Warrenville CUSD District 200, Westmont CUSD 201, Lisle CUSD 202, Naperville CUSD 203, Lyons Township High School District 204, Indian Prairie School District 204, Elmhurst CUSD 205.

There are seven groups in the TCD program structure. They are:

1. Building and Machine Group
2. Business Group
3. Communications Group
4. Health Services Group
5. Mechanical Group
6. Personal Services Group
7. Technical Group

The Tech Center provides a comprehensive vocational-technical education for high school students. Features of the Tech Center program are a diversified curriculum, up-to-date equipment, specialized teaching personnel, coordinated guidance services with participating schools and placement services for area center enrollees.

Students at the Tech Center are juniors and seniors who have career objectives related to vocational and technical education. Attendance at the Center is for three periods with all students being bussed from the home high school to the Center and returned to the local high school. During the other part of the day students attend classes and participate in extracurricular activities at Glenbard South. Glenbard grants the credits earned at the Tech Center and adds these credits to the student's Glenbard transcript. (See Technology Center of DuPage - page 19.)

C. Summer School

Students may want to take extra course work in Summer School to enrich the regular program or to make up credit. Information and enrollment materials regarding Summer School are available through the local building's Guidance Office.

D. Enrollment

Enrollment for the following year is held in January. Schedules are returned home in the spring for verification and final parent and student approval. After February 28, no schedule changes are permitted except for:

- a. Failure of a course
- b. Summer school attendance
- c. Significant evidence of a proposed career change. (fee charged.)

E. Dropping Courses

Course placement is a result of student choices, parental input, teacher recommendation and department chair and counselor guidance.

1. Effective April 30, 2009, a student may drop a course up through April 30th of the school year preceding their enrollment in a specific course. After that date, the master schedule will be set and only Guidance Department initiated schedule changes can be made until the start of the new school year.
2. After the school year begins, no class changes will be made except for the following: 1) Failed a class/Lack of pre-requisite skills, 2) Level changes recommended by the subject area Department Chair, 3) Error in Registration/Placement. Students with less than 300 minutes of daily instruction will be added to a course on a space available basis or a study hall.
3. During the term of a student's enrollment in a course, that student may be administratively dropped for disciplinary or truancy reasons and will receive a failing grade on his/her permanent record unless an exception is approved by the Building Principal.

III. ACADEMIC REGULATIONS

A. Classification of Students

Glenbard students will be promoted through credits earned toward graduation. For the classes of 2010, 2011 and 2012, they will be classified as Freshmen (Grade 9) if they have earned 0-5 credits, Sophomores (Grade 10) if they have earned 5.5-10 credits, Juniors (Grade 11) if they have earned 10.5-15.5 credits, and Seniors (Grade 12) if they have accumulated 16 of the 21 credits required for graduation. Beginning with the class of 2013 and moving forward, Glenbard students will be classified as Freshmen (Grade 9) if they have earned 0-5.5 credits, Sophomores (Grade 10) if they have earned 6-11 credits, Juniors (Grade 11) if they have earned 11.5-17 credits and Seniors (Grade 12) if they have earned 17.5 credits or more.

Regardless of when a student completes requirements for graduation, there will be only one annual graduation exercise held at the end of the second semester. To be eligible to participate in the graduation ceremonies, a student must have successfully met the required number of credits and graduation requirements.

B. Transfer of Credits

1. Transferred from another school.

The Guidance Office will evaluate the credits transferred from another school and specify what is needed for the student to meet the graduation requirements at Glenbard.

2. Correspondence/College Courses

Third and fourth year students, with parental and Principal approval, may receive Glenbard credit for correspondence or college study. Applications and approval of such courses may be secured from the student's counselor. Specific graduation requirements may **not** be taken through correspondence.

C. Course Load

Every student is considered a full-time student and will be in school for seven (7) periods, no more than one may be study hall. It is highly recommended that students select six or seven courses each semester. Juniors and Seniors with parental request may petition for arrival second period, and if approved, attend classes six periods of the day.

IV. COURSE DESCRIPTIONS AND PREREQUISITES

The following pages of this handbook are devoted to brief descriptions of the courses offered by the various departments. The descriptions include the length of the course, the credit that may be earned, the level of students who may enroll and, where applicable, the prerequisite. Students or parents who would like further information concerning a course or the enrollment procedure should contact the Guidance Office.

The program of studies provided for the regular and summer term is dependent upon adequate enrollment and the availability of qualified staff.

Courses offered in the other three Glenbard High Schools are available to our students upon request. Information about these courses and arrangements for scheduling can be provided by your guidance counselor.

CONSUMER EDUCATION EXAMINATION

Action by the Illinois legislature makes it possible for those students who successfully complete an examination on consumer education to proficiency out of that course. No credit is given for successful completion of the examination, but the student's transcript will show completion of that graduation requirement.

Students who are interested in participating in this examination on consumer education should contact the Guidance Department for information. The test is given once a year. Successful completion of the test should be accomplished prior to beginning in a course that satisfies the requirements for consumer education.

ACHIEVE SEMINAR

So., Jr., Sr.

1 year 1 elective credit

Students who qualify for the Seminar class of the Achieve Program will receive credit in the curricular area governing the independent project completed by the student. Credit will count toward graduation but will not apply toward graduation requirements specified by the State of Illinois or District 87.

LEARNING SKILLS SEMINAR

Fr.

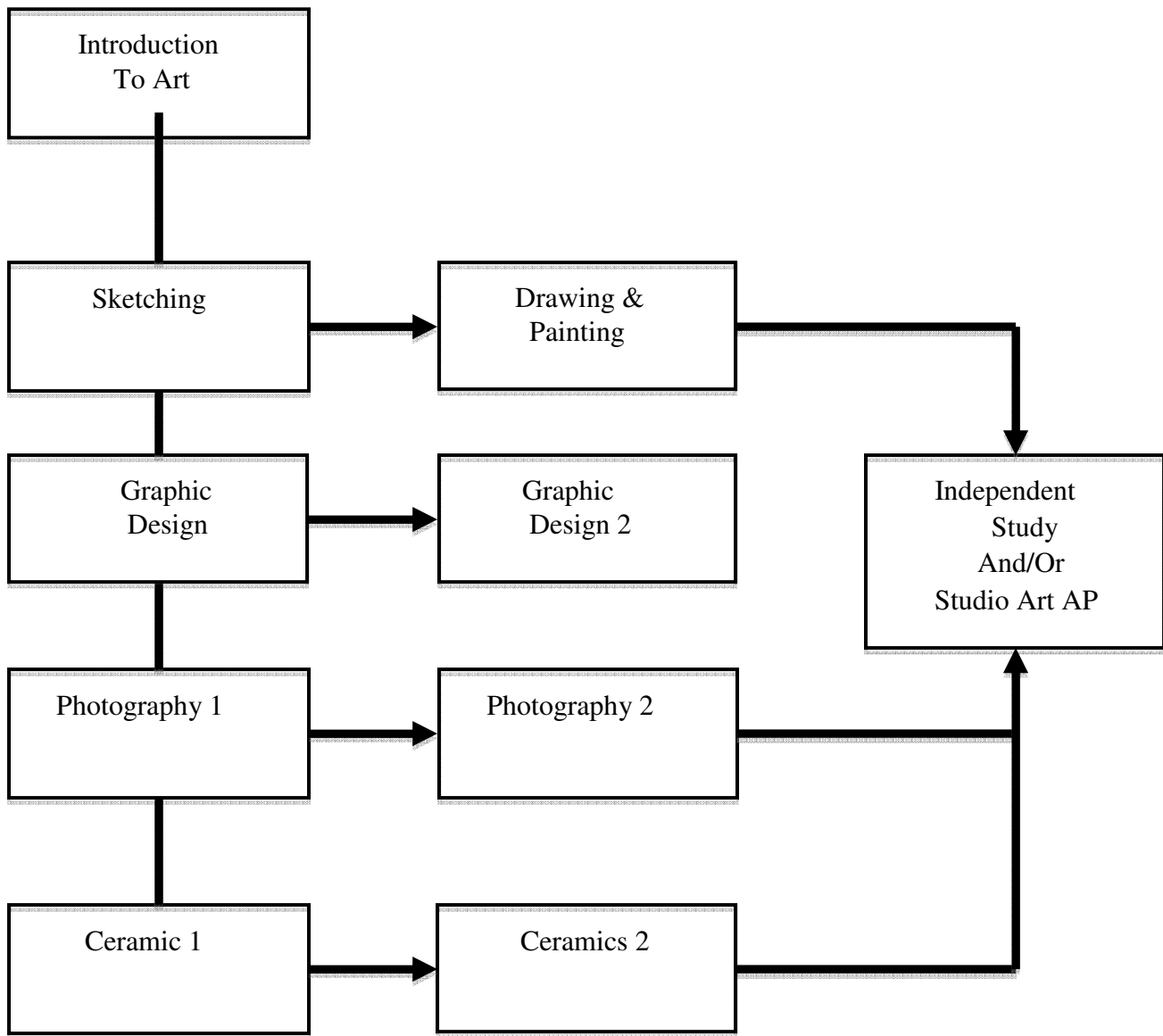
1 year 1 elective credit

Prerequisite: Teacher recommendation only

This course is designed to support those students who need organizational skills, direction on how to take notes effectively and guidance on how to prepare for quizzes and tests. Students will also be coached on time management and homework completion and how to access other academic support resources before, during and after the school day. Students will also receive specific content area support in literacy and math.

Glenbard South High School

Art Course Sequencing



ART

Mission: Through the study of Art, Photography, and Ceramics, the student will improve their visual perception, and develop problem solving and artistic skills, as well as an appreciation for past and present cultures.

Each of the following art courses earns **1/2 unit of credit** and fulfills the **Cultural Education graduation requirement**. Two years of art, four courses, fulfills the entrance requirement for most Illinois state schools. Check the school's admissions web pages for complete information.

Each Art course requires a \$25 fee.

INTRO TO ART

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

This introductory course is a recommended entry level course for all students who have an interest in art. The main emphasis will be on the Elements of Art and the Principles of Design. The student will have an opportunity to explore a wide variety of media, application of design, basic drawing techniques, and both 2-D and 3-D design. This course is a prerequisite for more advanced art courses.

ART 2

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Intro to Art

The second semester of the foundation course provides experiences in sculpture, print-making, jewelry and computers. It will provide an in-depth study of various techniques and media, with an emphasis on how to create original designs. Besides the increased exposure to a variety of areas, this course prepares students for advanced work such as drawing, painting, and graphic design.

SKETCHING

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None (Intro to Art is suggested)

Students explore drawing as an art form on various surfaces as well as a wide range of drawing media. Basic drawing techniques and proper use of drawing tools will be taught. This course emphasizes the organization of surfaces and creative image making, as well as a unit on portraiture.

DRAWING AND PAINTING

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Intro to Art and Sketching

This course introduces the student to the various media and techniques in the fields of drawing and painting. The course stresses the importance of drawing as the foundation for all serious development and expression in art. The student works in pencil, pen and ink, pastels, charcoal, watercolors, and acrylic paint. Accuracy of image is stressed as well as expressiveness and composition. Various styles of drawing and painting are explored.

GRAPHIC DESIGN 1

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Intro to Art

This course will develop the student's technical knowledge of Graphic Design as applied to advertising, illustration, lettering and packaging. It will include logos, font design, and other processes relating to the graphic design field, using Adobe Photoshop and Adobe Illustrator.

GRAPHIC DESIGN 2

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Grade of "C" or better in Graphic Design I

This course will continue to develop the student's technical knowledge of Graphic Design as applied to advertising, illustration, lettering, and design. Projects will include illustration, CD covers, computer graphics and other processes relating to the graphic design field. Careers relating to graphic design will be explored.

CERAMICS 1 and 2

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None, Intro to Art is highly recommended

This course is offered for the student who is interested in the three dimensional aspects of art. It is designed for the beginning potter as a general introduction to working with clay. This class features basic techniques for hand built pottery, pinch, coil, slab. Decorating and glazing techniques will be explored. Students will produce hand built pottery as well as sculptural work.

PHOTOGRAPHY 1

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None, Intro to Art is highly recommended.

Students must have an adjustable 35 mm camera and are responsible for purchasing their own photographic paper and film. Polaroid, Auto Focus, and Pocket size cameras cannot be used. Photo 1 explores black and white film processing, printing, finishing, and display. Handling the camera, correct exposures and composition will be covered. Previous art background is recommended, (Art 1) since compositional arrangement and subject matter are stressed.

PHOTOGRAPHY 2

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Grade of "C" or better in Photography 1

Photo 2 builds upon the techniques of Photo 1 and extends them to include various types of advanced camera and film, hand toning and coloring techniques, print manipulation and more. The course will include digital camera, scanning, and Adobe® Photoshop®. Career opportunities will be discussed, explored, and practiced to aid those considering photography as a vocation. **Students are eligible for college of DuPage credit. Students must have an adjustable 35 mm or 2 1/4" camera with metering capabilities.**

INDEPENDENT STUDY

So., Jr., Sr.

1/2 year 1/2 credit (1 year 1 credit)

Prerequisite: Intro to Art, Art 2, Sketching or at least one semester in one of the above specialized areas, such as Ceramics or Photography.

Independent Study is for the highly motivated art/photography/ceramics student.

Upon approval of the instructor, department chairperson, and counselor a student may continue in a field of specialization on an independent basis. He/she will be required to submit a plan of study, have a one-artist show in school, and submit the results of a research project (written or visual). This independent work can be planned to prepare the portfolio requirements for the student who is interested in taking the Advanced Placement Exam in College Studio Art or Drawing.

STUDIO ART AP

Jr. Sr.

1/2 year 1/2 credit

Prerequisite: Intro to Art, Sketching, Drawing and Painting, Art 2 are recommended and Approval of Instructor.

Studio Art is an Advanced Placement Program intended for the highly motivated student interested in the serious study of art. Throughout the program "quality" work will be used as a criterion of evaluation. Students will be concerned with an in-depth concentration as well as broad explorations of specific artistic problems. Projects may be in the areas of drawing, painting, sculpture, and/or printmaking. A portfolio will be a requirement of this course. This course may be repeated more than one time for credit.

SEQUENTIAL BUSINESS PROGRAMS

Notes:

- * All courses carry 1/2 unit of credit per semester.
- * **Computer Programming** earns 1/2 credit towards the mathematics graduation requirement
- * Consumer Management meets the state's Consumer Education requirement

Suggestions:

- * Keyboarding will offer units in all core technology applications: Microsoft Word, Excel, PowerPoint, and Internet Explorer. Because technology is used in virtually all academic areas, we encourage taking **Keyboarding** early in your career so you can take full advantage of your opportunities here at South.
- * Most other classes at South, and in college, require knowledge of **Microsoft Office**. **Computer Applications** covers beginning **and** advanced concepts of Office 2007 – Microsoft Word, Excel, PowerPoint, Access and Publisher are used.

Below you will find suggestions of course sequence in relation to a possible college major

Computer Science/Information Tech

Keyboarding & Technology Essentials
Computer Applications
Web Site Design
Computer Programming
Career Internship (in computer science)

Accounting /Finance/International Bus

Keyboarding & Technology Essentials
Computer Applications
Accounting 1 & 2
Marketing &/or Management
Investing for Your Future
Career Internship (in a business field)

Law/Social Sciences

Keyboarding & Technology Essentials
Computer Applications
Business Law
Career Internship (Lawyer, Judge)

Science/Medicine/Engineering

Keyboarding & Technology Essentials
Computer Applications
Business Management (Entrepreneurship)
Career Internship (in the medical field)

Marketing and or Business Management

Keyboarding & Technology Essentials
Web Site Design
Marketing: Sports and Entertainment
Business Management (Entrepreneurship)
Business Law
Career Internship (in marketing or management)

Education (K-12)

Keyboarding & Technology Essentials
Computer Applications
Web Site Design
Investing for Your Future
Career Internship (with a teacher of the grade level)

General Career/College Prep

Keyboarding & Technology Essentials
Computer Applications
Web Site Design
Business Management (Entrepreneurship)
Accounting 1 & 2
Investing for Your Future
Career Internship (any field you want)

BUSINESS EDUCATION

Mission: To provide the student with a variety of the computer, business, and survival skills necessary to succeed in college, in a career, personal finance, and life.

Computer Courses

KEYBOARDING AND TECHNOLOGY ESSENTIALS Fr., So., Jr., Sr. 1/2 year 1/2 credit

Keyboarding is not just learning the keyboard. Keyboarding will offer introductory units in all core technology applications: Microsoft Word, Excel, Publisher, Internet Explorer and NoodleTools. You will not only enhance your keying skills, but you will become proficient in applications that will be used across the Glenbard curriculum. Emphasis is placed on learning the keyboard by touch. After the keyboard is mastered, the Glenbard Guide To Written Work formatting is followed using the core applications. Students will be on the computer daily. Keyboarding is highly recommended as a prerequisite for all computer classes.

COMPUTER APPLICATIONS Fr., So., Jr., Sr. 1/2 year 1/2 credit

Prerequisite: None, but Keyboarding is strongly recommended.

This course is designed to give students extensive experience with Microsoft Office 2007. Excel, Access, Word and PowerPoint will be covered. Microsoft Office is widely used across the business world; students with exposure to these software programs will better prepare themselves for college and life. This class is strongly recommended for any student who realizes that computer literacy is as important in today's job market as virtually any other skill.

WEB SITE DESIGN Fr., So., Jr., Sr. 1/2 year 1/2 credit

Prerequisite: None, but keyboarding is strongly recommended.

Use HTML and web design software to design and manage web sites for personal and business use. The purpose of this course is to provide experience in working with web design software and the background language of HTML. You will learn how to design and manage websites and apply this knowledge with a variety of real life projects. Learn how to implement sound and video into a website along with countless other techniques. The internet is a global marketplace that can be accessed through web based companies. Learn how to create websites that may help you make a profit later in life.

COMPUTER PROGRAMMING So., Jr., Sr. 1/2 year 1/2 credit

Prerequisite: None, but Keyboarding is strongly recommended

Program with Java *and* C++. This course includes a study of the functions, logic, and programming methods. Emphasis is placed upon business and college applications using two of the most popular programming languages, Java and C++. If you have an interest in working behind the scenes in the computer world, this class is for you. The class will offer a unit on video game design, which is one of the most popular and most competitive job markets around. *This course meets one semester of the mathematics graduation requirement.*

Business/College Prep Courses

ACCOUNTING 1

So., Jr., Sr.

1/2 year 1/2 credit

Using simulations and specialized accounting software, students will learn the principles of preparing and analyzing financial records in order to maintain an accounting system for a business. ***Accounting is a must if you are considering majoring in any Business field in college. Your college life will be much easier with this course in your background.***

ACCOUNTING 2

So., Jr., Sr.

1/2 year 1/2 credit

Students will build on the knowledge gained in Accounting 1, tackling more challenging problems involving more sophisticated situations. You will also analyze and interpret data from actual company records. If you are considering business as a career path, this class will prepare you for college level accounting and finance classes.

BUSINESS LAW

So., Jr., Sr.

1/2 year 1/2 credit

Be legally aware! Know your rights and responsibilities as an individual in the business world. Business Law emphasizes the basic principles of law, which impact business transactions made by companies. Participate in a mock trial and visit the courthouse! Topics covered include a background of the nature of law and legal problems, contracts, and the rights afforded to minors. In this day and age, business law can make or break you. Business Law is recommended for any students interested in pursuing a major in business of any kind.

INVESTING FOR YOUR FUTURE

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

Learn to build wealth. This course brings to South one of the most valuable life skills possible; the benefits of lifelong financial planning. Learn to set financial goals and make plans to meet those goals. Topics covered include investing in stocks and learning about various stock markets, mutual funds, the variety of IRAs, careers in financial planning, 529 plans, wills, trusts, and more. We will participate in simulations that allow real time trading in stocks and options. Consumer students who have taken a small unit in investing already know how exciting this topic can be.

MARKETING: SPORTS & ENTERTAINMENT

So., Jr., Sr.

1/2 year 1/2 credit

This course is designed to introduce the student to the role of marketing in the sports and entertainment industry. There will be an emphasis on employing basic marketing concepts and strategies as they apply to these two specific areas of study. Particular attention will be focused on the marketing of products and services through sports, TV, movies, and music. Other areas that will be covered include careers in sports marketing, music, movies, and theater, marketing recreational sports, and legal issues for sports and entertainment. The course will utilize a problem solving approach through the use of projects and case studies. Guest speakers and a planned field trip (prior trips include United Center & Medieval Times) enhance topics of study.

BUSINESS MANAGEMENT (Entrepreneurship)

So., Jr., Sr.

1/2 year 1/2 credit

Run a business? Manage a department? Be your own boss? This is a project oriented course for anyone who is interested in pursuing a business major, or the independent student who wants to start a business of their own. Learn how to evaluate a location, hire and fire employees, and market your business for success. Everyone has a niche. This might be yours. We will start a real company by coming up with ideas, creating a business plan and producing and marketing a product.

SPEECH WITH ADVANCED TECHNOLOGIES So., Jr., Sr.

1 year 1 credit

Prerequisite: None, Keyboarding is recommended.

Are you ready to enter the job market in today's information age? Companies are seeking graduates who are not only computer literate but can also communicate effectively. This course is offered as a practical alternative to the Introduction to Speech course. SWAT (speech with advanced technologies) combines the oral communication skills learned in a Speech course with the latest technologies found in the business world. These technologies include presentation software (PowerPoint and the use of SmartBoards), Internet access, library and audiovisual technologies and more. This course fulfills both the Speech Arts AND Applied Arts graduation requirement

COOPERATIVE EDUCATION & CAREER INTERNSHIP

CAREER INTERNSHIP

Jr., Sr. (top half of class)

1/2 year 1/2 credit

Help your parents save money! You are about to major in something in college. Find out what those people really do by experiencing first hand training in the profession of your choice. This course offers 12 weeks of voluntary service in a profession such as medicine, law, education, management, and many others requiring advanced education. You will develop career skills not taught in other classes. Students will be dismissed early from school to observe and take part in activities related to the student's career choice. Local business and professional people will supervise and direct the activities. Classroom skills include preparing a resume, the job interviewing process, taking a personal inventory of interests and skills, college selection, and how to locate professional jobs. You may find the career of your dreams, but even if you realize this is not what you want, that alone could save you from having to go an extra semester of college. A second semester of Internship may be taken in a different career field.

COOPERATIVE WORK TRAINING - C.W.T.

1 year 3 credits

Prerequisite: Sixteen years of age by September 15.

(1 cr. for class, 2 cr. for job)

Cooperative Work Training is for the students who desire work experience for vocational planning. The course emphasizes securing a job, developing good work habits, and building self-confidence. Additional topics covered include job interviewing, human relations, insurance, labor unions, taxes, safety, personal budgeting. Students must apply for this program using a Cooperative Education Application form. CWT District Guidelines require a minimum of 14 weeks of work and 270 hours per semester of successful work training at an approved work site. Job credit requires successful completion of the classroom phase. Successful completion of the spring semester class satisfies the Consumer Education graduation requirement. (See Cooperative Education Note below.)

COOPERATIVE EDUCATION NOTE:

All Cooperative Education courses require approval in writing by the teacher, student's counselor and parents. Applications are available through the Business Office, Co-op Coordinators, and the Guidance Department. Applications must be completed and approved prior to making course requests. The successful student in Cooperative Education has demonstrated employability that includes regular school attendance, a desire to work, and good health.

TECHNOLOGY CENTER OF DUPAGE

Junior - Senior

1 year 3 credits

One or two year programs are offered in the following fields:

TCD PROGRAM TITLE

SUGGESTED PRIOR COURSES

Building and Machining Group

Pre-Architectural &
Pre-Engineering CAD
Construction Trades
Landscape Design
Manufacturing Technology

CAD or Sketching

CAD or General Woods
Exploring Technology
Exploring Technology

Business Groups

Computer Information Systems
Data Entry Occupations
Office Systems Technology

Computer Programming
Keyboarding
Computer Applications

Communications Group

Graphic Communications
Multimedia & T.V. Production

Exp. Tech. or Intro. to Art or Photography 1
Exp. Tech. or Intro. to Art or Photography 1

Health Services Group

Certified Nurse Assistant (CNA)
Medical & Health Careers
Fire Science

Any Biological Science Course
Any Biological Science Course
Chemistry
Any Industrial Tech Course

Criminal Justice

Modern Issues 2

Mechanical Group

Auto Body Repair & Refinishing
Auto Technology

Exploring Technology
Introduction to Electronics

Personal Services Group

Child Care
Culinary/Pastry Arts
Cosmetology

Developing Child
Foods 2
Biology

Technical Group

Electronics & Computer Technology
Network Technician
Heating, Ventilation, Air
Conditioning & Refrigeration
Electronics & Pre-Engineering Tech

Exploring Technology
Exploring Technology or Intro to Electronics
Exploring Technology

Exploring Technology

See Technology Center of DuPage Note on Page 20

Technology Center of DuPage Note:

Enrollment in the center program is arranged by the local high school. Students interested in attending the Technology Center of DuPage should see their counselor at Glenbard. Together with their counselor, students should evaluate their skills, abilities, and vocational interests to determine the most desirable career program. Glenbard requires the successful completion of a related course in a Glenbard High School prior to enrolling in a Technology Center program. The Technology Center prerequisites are listed on page 19. Lab fees are required for some Technology Center of DuPage programs to cover cost of uniforms, tools or other personal materials or equipment. Fees run from \$10.00 to \$200.00 depending on the program. A list of approximate costs for each program is available in the Guidance Department.

C O N S U M E R E D U C A T I O N

CONSUMER MANAGEMENT

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

This course is designed to provide students with the vital knowledge needed to enter the world on their own. This course will emphasize the importance of being an informed consumer and give students the power to be financially self-sufficient. Units of study include: Financing your education, career search, budgeting for living on your own, investing, money and banking, credit, insurance, buying cars, taxes and consumer rights and responsibilities. **Successful completion of this course satisfies the consumer education graduation requirement.**

DRIVER EDUCATION

DRIVER EDUCATION

So., Jr., Sr.

minor cr. (not on G.P.A./not used for Athletic eligibility)

This course consists of three phases: Classroom (30 hours), simulation (12 hours), and "behind the wheel" (BTW 3 hours). The classroom phase is a course required for graduation. The simulation and BTW phases, which jointly make up the driving part of Driver Education, are optional. Any student with medical problems that may possibly require a physician's approval (for BTW) should notify the Driver Education Chairperson in advance of enrollment in the course. The successful completion of all three phases qualifies the student 16 years of age or older, with parent permission, the privilege to obtain their drivers license prior to age 18. In addition, the student may also receive a deduction in insurance rates.

Students are scheduled into driving groups based on age with the oldest students being placed first. To be eligible for enrollment all students must be at least 15 years old by the first day of each semester or else they cannot be enrolled during that particular semester. The youngest students may be required to take BTW before or after school. This will occur only after all regular groups have been filled. If a student chooses to take the BTW phase, they can secure an instruction permit thirty (30) days prior to the beginning of the semester by attending the Glenbard South Parent/Student Clinic. If a student/parent does not attend the clinic, the student will receive permit application materials on the first day of class. It is the responsibility of the parent/guardian to take their child to the Secretary of State and secure a permit prior to the first behind the wheel lesson at school. Permits **cannot** be secured independently outside of school prior to enrollment in Driver Education.

The permit cost is \$20.00 and goes directly to the State of Illinois. This fee covers the permit cost and the cost of the student's first driver's license. **There is also a district lab fee of \$300.00 that each student must pay when taking the BTW phase.** This fee is paid to the school district to defray the cost of purchasing vehicles, car maintenance and gasoline costs.

The "Cooperative Driver Testing Program" will again be in effect this year. Students who earn a grade of either "A" or "B" in both Behind The Wheel and Classroom may qualify to take their driver's license road test with their Driver Education instructor at Glenbard South. This will be subject to parent approval. Students who pass the road test at Glenbard South **do not** receive their blue slip any earlier, but will be given a certificate that indicates that they have already passed the B.T.W. road test. Some spot checks of driving proficiency will be made by the Secretary of State's examiners based upon pre-determined birthdates.

Any student seeking admission into Driver Education must have passed at least 8 courses in the two previous semesters prior to enrollment. Students who do not qualify will wait until 8 courses in two consecutive semesters are passed. Questions regarding Driver Education eligibility should be directed to the Guidance Director.

ENGLISH

ACADEMIC STRATEGIES I

Fr.

1 year 1 elective credit

Criteria: Standardized reading test scores, 8th grade reading scores. For students reading below grade level and in need of academic strategy development.

This course will develop and strengthen academic reading strategies and skills necessary for success in all content areas. Students will improve in the areas of comprehension, Project C.R.I.S.S. strategies for learning, writing development, content area support strategies (i.e. notetaking, highlighting, and study strategies), academic vocabulary and fluency.

EXTENDED ENGLISH I

Fr.

Two period course – 1 English credit and
1 Elective credit

Prerequisite: For students reading significantly below grade as determined by standardized reading test scores and recommendation.

This double period English course is designed to support the most at-risk reader. Students will be immersed in a standard English program emphasizing vocabulary acquisition, fluency, grammar, writing, and communication skills. Importance is placed on intensive reading strategies in order to accelerate reading growth toward grade level proficiency.

ENGLISH 1

Fr.

1 year 1 credit

This one-year course for freshmen combines systematic practice in composition techniques with formal study of various genres of literature. The goals of this course are to help students speak and write more effectively and to read with greater skill and appreciation. Students review grammar and vocabulary, write multi paragraph essays, develop effective library and research skills, and begin to use technology to enhance the writing process. Classes read short stories, poetry, plays, mythology, novels, and non-fiction essays. Individual free reading is required.

ENGLISH 1H

Fr.

1 year 1 credit

Prerequisite: Junior High recommendation, South teacher recommendation, or Department Chairperson consent.

This one-year course for freshmen with above-average verbal ability enriches the basic material, purposes, and activities of English 1 and prepares students for the AP Literature and Language classes and exams. It teaches students Latin and Greek roots of words to improve vocabulary comprehension and usage. Students review the structure of the English language and attempt to improve the writing style and literary analysis skills. To deepen an appreciation of the writer's craft, students explore writing techniques used in various literary genres. Broader reading is required, and increased opportunities for independent reading and research are offered. A "B" average in English 1H is strongly recommended in order for the student to continue in the English Honors program.

ENGLISH 2

So.

1 year 1 credit

This one-year course in literature explores, compares, and evaluates universal themes of initiation, growing up, and human relationships. Integrated into each unit are vocabulary development, literary analysis techniques, composition and grammar skills, and study of literary forms such as the novel, drama, poetry and the short story. After students explore the literature through discussion group activities and individual study, they evaluate and synthesize various concepts and themes through exams, projects, and formal essays. In addition, students research related topics and read books outside of class.

ENGLISH 2H

So.

1 year 1 credit

Prerequisite: English 1H (B average recommended), teacher recommendation, or Department Chairperson consent.

This one-year course is designed for sophomore students with above-average reading, writing, and speaking skills. Emphasis is placed on analyzing works of literature from various genres with mature understanding, and then justifying opinions about the literature in well-organized argumentative, expository, or narrative essays. Mastery of the fundamentals of thesis formation, organization, development and logic in written composition is stressed. Students also must participate extensively in class discussions and activities and select and report on independent reading each quarter.

ENGLISH 3

Jr.

1 year 1 credit

This one year course for juniors of average verbal abilities focuses on a study of American Literature from our native roots to the 20th century. Study of poetry, essays, novels, short stories, and plays is combined with systematic work on composition and language skills resulting in literary essays and research papers. Students also develop projects using a variety of technologies

AP ENGLISH LANGUAGE AND COMPOSITION

Jr.

1 year 1 credit

Prerequisite: B average required in English 2H, teacher recommendation, or Department Chairperson consent.

AP English Language and Composition is a course designed for the student with excellent communication skills in English. The course focuses on narration, comparisons, analysis and argumentation using major works of American literature and thought. Students read works in several genres and develop critical thinking, oral expression, and collaborative skills. Writing tasks highlight literary analyses, research, a college application essay, and preparation for the A.P. test.

SENIOR COMPOSITION

Sr.

1/2 year 1/2 credit

This course for college bound seniors offers students practice in writing various kinds of exposition required in college. Students learn ways to organize their thinking, review and select material, arrange material strategically, develop an effective style, use correct and interesting vocabulary, and establish an appropriate tone for their subjects. Students improve their writing skills through applying sophisticated sentence patterns and revising extensively to create a polished product. Students increase research skills through use of the Learning Resource Center to complete a required research project. Evaluation is based on improvement demonstrated in writing. The final assessment for the course will include a required portfolio.

JOURNALISM

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: B average in previous English courses or Department Chairperson consent.

Journalism is a semester course for sophomores, juniors, and seniors who have above-average verbal ability and interest in writing. Students develop skills in reporting and writing news, editorials, features and sports. Students also learn page design through InDesign CS. In addition, students are required to keep informed of current news events reported in both print and electronic media. Students also present a variety of journalistic projects to the class in both oral and written form. Grades are determined by the quantity and quality of assignments completed.

CREATIVE WRITING

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Teacher recommendation or Department Chairperson consent.

Creative writing is a semester course, designed for capable writers who wish to polish their writing skills through imaginative literary creations. Students study the techniques and forms of poetry and prose writing, and, by following a writing process, they demonstrate understanding of these techniques by writing poetry, informal essays, short descriptive and narrative passages, journal entries, persuasive advertising copy, and short stories. Students who enroll in this course should have a B average in their English courses.

SENIOR ENGLISH 1

Sr.

1/2 year 1/2 credit

Prerequisite: Teacher recommendation, or Department Chairperson consent.

This semester course focuses on two central literary themes: “*Power to the Young People!*” which examines the post World War II youth movement in America, and “*Get Psyched!*” which delves into literature that focuses on the theme of the human mind and its complex workings. Students will continue to perfect their reading, writing, speaking AND listening skills. They will also work on literature and media interpretation and synthesis, collaboration (team building) skills, and computer usage. Finally, students will be expected to read extra fiction and non-fiction selections (of their choice) throughout the semester.

SENIOR ENGLISH 2

Sr.

1/2 year 1/2 credit

Prerequisite: Teacher recommendation, or Department Chairperson consent.

Students seeking an English course to review the practical communication skills of reading and writing should take this course. This semester provides intensified skill development in the areas presented in Senior English 1. Readings, activities, and projects for this semester focus on thematic understanding of works read.

WORLD LITERATURE

Sr.

1/2 year 1/2 credit

This course is designed for students with average to above average reading and composition skills. Students become acquainted with a variety of authors from cultures not represented elsewhere in the English curriculum, such as literature from Europe, Africa, Latin America, India, the Middle East, and Asia. In studying literature and film, students discover that people around the world have important commonalities, but also have interesting differences. Independent reading and research from selected collections provide students the opportunity to pursue individual interests.

MAJOR BRITISH WRITERS

Sr.

1/2 year 1/2 credit

This one semester course introduces the student to important authors of English literature. Works are read, discussed and analyzed within the context of the eras they represent. The course may include the following works: the Anglo-Saxon era Beowulf, the Middle English era Canterbury Tales, the Elizabethan era Hamlet, up to the nineteenth century Pride and Prejudice. Emphasis is on literary interpretation and expository writing. Independent reading and research from selected collections provide students the opportunity to pursue individual interests.

20TH CENTURY BRITISH WRITERS

Sr.

1/2 year 1/2 credit

Major British Writers is NOT a prerequisite. This second-semester course explores literary trends of the late nineteenth and twentieth-century British writers. Poetry, essays, novels, short stories, and plays of this period are included. Issues such as the disintegration of the British Empire, the revolt of the Irish, the emergence of the individual, and the effect of the World Wars are examined through selected works, films, and compact discs. Each student will be required to complete an independent research project.

AP ENGLISH LITERATURE AND COMPOSITION

Sr.

1 year 1 credit

Prerequisite: AP English Language and Composition teacher recommendation, or Department Chairperson consent.

Designed for the superior English student with excellent verbal skills and high motivation, this course is the culmination of the four-year honors track. The first semester surveys the great literature of western civilization from the ancient Greeks and medieval Europeans to the Renaissance. Students focus on the nature of tragedy and comedy as they write several major papers. In the second semester, they explore the trends toward realism and surrealism that have been significant in world literature. Although British, French, and American works dominate the second semester, students also read works by contemporary writers from non-western countries. Multiple genres including novels, plays, epic poetry and contemporary poetry are explored during both semesters. Students are strongly encouraged to take the AP exam.

FAMILY AND CONSUMER SCIENCES

FASHION WORKSHOP I

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

By studying the Fashion Industry, students observe fashions from design to delivery in the stores. By making pajama pants, students discover how clothing is made and display their individuality. Throughout the course, students will build a portfolio, creating projects which reinforce learning and provide them with the opportunity to utilize the principles and elements of design. Additionally, students use a computer program to learn what styles they look best in, study trends in fashion and examine how current trends are linked to those of the past. The Glenbard South Fall Fashion Show is also part of this class, wherein students learn how to plan and produce a quality show enjoyed by the entire school and community.

FASHION WORKSHOP II

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Fashion Workshop I

Do you want to design clothes? Then this is the class for you. Create your own unique clothing collection, select the fabrics, name the line, and determine who you are designing for. Learn how to create store quality displays that entice the shopper to buy your product. All stores have a promotion department; the Glenbard South Fashion Show will provide an important opportunity for you to work on the production and promotion of a special event. Areas of study include an in-depth career search on Fashion Designers. Students will learn about current fashion trends and who creates the trends, how next year's colors were chosen, and schools that specialize in Fashion degrees and their programs.

FOODS 1

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None – A fee of \$35.00 will be assessed.

Students interested in home or vocational food preparation learn the basic techniques of cooking by preparing a variety of food products. Students learn how to measure correctly, use equipment properly, work safely and efficiently in the kitchen, and apply these principles to on-the-job or at-home cooking environments. Topics explored are nutrition, dining etiquette, table setting, and convenience products presently on the market. Pizza, stir-fry, a braided coffee cake, home-made pasta, cheesecake and cookies are examples of items which are made, sampled and evaluated by the student chefs and instructors.

FOODS 2

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Foods 1 - A fee of \$35.00 will be assessed.

This intermediate course continues to develop the basic techniques of food preparation necessary for creating appetizing and delicious meals. Student chefs will create dishes using different preparation methods and equipment. Creative meals are planned, prepared, and served utilizing different types of meal service which may be used at home as well as in food service occupations. If you have a sweet tooth, you will have the opportunity to make cakes and learn to decorate them like a professional. During this course, student chefs will cook with a variety of meats, bake tender yeast breads, and produce delicate cream soups.

GOURMET FOODS

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Foods1 - A fee of \$35.00 will be assessed.

This course is designed to give students the opportunity to use their creative talents in food preparation in such areas as garnishes, appetizers, candy making and entertaining. Students will utilize the computer to find recipes, adjust ingredients, and discover how ingredients affect the final product. By utilizing this knowledge of food chemistry, student chefs will create recipes using lower fat alternatives, etc. Students will also experiment with cuisines from other countries as well as studying the culture of that land. A wide variety of guest speakers will expose students to opportunities in the Culinary Arts industry.

ADVANCED SURVEY FOODS

Sr.

1/2 year 1/2 credit

Prerequisite: No other Foods course previously taken. - A fee of \$35.00 will be assessed.

Advanced Survey Foods is a comprehensive course for seniors who have not had foods courses. Enjoy the company of your classmates while you learn the basics of kitchen safety and sanitation, measuring ingredients, and using the microwave properly. Students learn enough in this semester course to “survive” very well on their own in a dorm and later in an apartment or living independently. Student chefs will prepare soups, salads, meats, vegetables, cookies, and pizza, and get tips on basic entertaining while on a budget. While enrolled in the class, seniors learn not only how to use kitchen equipment and work efficiently in the kitchen, but also how to prepare healthy meals, and how to become better consumers.

CHILD DEVELOPMENT

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

Have you been around young children and enjoyed the responsibility? In Child Development, students are exposed to the growth and development during pregnancy and the first year, the toddler stage, and the preschool child stage. Students enrolled in this course study the physical, intellectual, emotional, and social development (P.I.E.S.) of children in all of these stages. During our **Little Raider Preschool**, which runs from 9 to 11 weeks, students receive hands-on experience planning, teaching and observing 2 1/2 to 5 year olds. This is a must take for students planning a career in education of any level.

PRESCHOOL CHILD

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Developing Child

The second level of Child Development involves student participation in planning and conducting the **Little Raider Preschool** for three months. There is an increased emphasis on careers in Early Childhood and Education. Students will be exposed to a variety of career opportunities with children and have the opportunity to gain knowledge through guest speakers and field trips. By observing and getting to know the children, students understand the abilities and personalities of preschool age children. Creating experiences in Art, Music, Science, Math, and Dramatic Play, students will expand the children’s level of understanding and note the traits that make all of us unique. All students planning to major in Elementary Education should take advantage of this valuable experience.

PARENTING

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

School should prepare students for the future. This class does just that! Most students will experience the joy and frustration of raising a child, and this class helps to prepare students for that vital adult role. Even though no one can drive a car without a license, there is no such law in place about being a parent. This class examines critical questions about parenting: what are basic parenting skills? What should new parents expect from their baby? What should a new baby expect from their parents? If a child throws a temper tantrum, how does an effective parent react? What does it cost to raise a child from birth to age 18? Parenthood is a choice, and students examine reproduction and family planning as well as pregnancy and childbirth in order to make an informed decision. Students will enjoy highlights in the class such as field trips, an opportunity to take a simulation “Baby” home, and participation in the Little Raider Preschool. Parents play many roles, and this class helps to prepare students to deal with the many challenges of parenthood.

HUMAN RELATIONSHIPS

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

“Life” is about relationships and this class is about “life”. We begin by studying ourselves, our personalities, and our relationships with our friends and our family members. As we begin to understand ourselves, we begin to understand others. Communication is an essential part of this course and there is a great deal of discussion on topics such as parent/teen conflicts, dating, values, morals, long term relationships, and preparation for marriage, divorce, and grief. Just “getting along” with others in your daily life is not enough anymore. Learn how to find common ground with coworkers, what makes a good marriage, and what you need to build a strong foundation for emotional maturity while dealing with the roller coaster ride we call life.

HOUSING AND INTERIOR DESIGN

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

Students who appreciate the popular television shows, “Cribs” and “Extreme Home Make-over” will enjoy “Creating Spaces.” Students learn the principles and elements of design as they relate to interior design. Students will create a portfolio, which will include furniture styles, different styles of houses, kitchen planning and basic floor plan designs. Students may enjoy a short unit using CAD (Computer Aided Design), which helps students understand the structural as well as the interior design of a home. Lighting, floor coverings, wall and window treatments are all topics that students will explore. The final project will be to select or design a floor plan and create a comfortable living space for a family while selecting examples of furniture, flooring, as well as wall and window treatments.

INDEPENDENT STUDY

1/2 year 1/2 credit

Prerequisite: Approval of instructor and Department Chairperson, grade "B" or higher in the semester course in content area of interest.

This course is designed for the student who has a special interest in one area or field of Family and Consumer Sciences and desires to expand their knowledge or talents in this area. Student and teacher will jointly outline the course contents, requirements, and methods of evaluation. The student will then pursue their studies and activities independently.

FOREIGN LANGUAGE

Note: Students with at least one year of regular level English will have a greater chance of success in learning a foreign language.

FRENCH 1

Prerequisite: None

Fr., So., Jr., Sr

1 year 1 credit

This course focuses on basic communication in French using functional vocabulary and basic conversation patterns. Themes are student centered and focus on people, family, school, and food and restaurants. Integrated into the core material are a video series, computer activities, as well as the traditional listening, speaking, reading and writing activities. Students discover daily life in France and are introduced to the various French speaking areas throughout the world.

FRENCH 2

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: French 1 or equivalent

Students will continue to learn to communicate and express themselves effectively on many aspects of daily life: meeting people, inviting friends, going out, ordering food, choosing clothes, exercising, and planning vacations. The past and future tenses are emphasized. French-speaking countries and their customs and traditions will be explored. Videos and computer activities enhance the text. To enroll in level 2, it is strongly recommended a student has a "C" average or higher in French 1.

FRENCH 3

So., Jr., Sr.

1 year 1 credit

Prerequisite: French 2

This course builds on material learned in French 2 and completes the basic study of French grammar and vocabulary. French 3 is a conversation and activity based course designed to involve students in an interactive way. Further development of reading and writing skills is stressed along with additional study of French culture. This course prepares students for the advanced programs of French 4H and 5AP.

FRENCH 3H

So., Jr., Sr.,

1 year 1 credit

Prerequisite: Teacher recommendation or Department Chairperson consent.

This course builds on the French 2 material. The basic textbook is enhanced by additional readings from graded readers, current publications, and films. Students should continue to expand their communicative proficiency skills. Study of geography, history, and culture complements the core program. French is spoken in the classroom.

FRENCH 4H/5H

Jr., Sr.

1 year 1 credit

Prerequisite: French 3 with teacher recommendation, or French 3H

This two year honors level course, exploring different themes each year, places an emphasis on conversation, grammar, literature and history. Conversation skills are sharpened, vocabulary enriched, and grammar reviewed and refined. Literature study offers students opportunities for discussion and analysis. French culture is studied using films, newspapers and Internet activities. Students should be self-motivated and accept academic responsibilities readily. All activities are done in French.

SPANISH 1

Prerequisite: None

Fr., So., Jr.

1 year 1 credit

Students learn the Spanish alphabet and basics of correct pronunciation. Verb forms of the present and preterite tenses in the indicative mood are presented. Through individual and cooperative group efforts, students learn to express themselves orally and in writing using a short question and answer format. A variety of media is used to present course material. The cultures and customs of the Spanish speaking countries enhance the students' cultural world and give them a greater appreciation of the other cultures as well as their own. Students planning to take level 2, should have a "C" average or higher.

SPANISH 2

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: Spanish 1 or equivalent.

Students integrate new vocabulary, verb tenses and sentence structures in both written and oral form. They demonstrate listening and speaking skills by responding to questions, developing small group conversations, and creating skits in Spanish. In addition, they develop writing skills through directed activities. Students learn about the culture of Spanish speaking peoples through the use of readings. The language of instruction is Spanish with English used for clarification.

SPANISH 3

So., Jr., Sr.

1 year 1 credit

Prerequisite: Spanish 2

Students continue to perfect written and oral usage of Spanish through extensive review along with mastery of new grammatical structures. Students are immersed more in the language and the cultures of the Spanish speaking peoples through readings. An art unit which includes research and an oral presentation acquaints students with Spanish master painters.

SPANISH 3H

So., Jr., Sr.

1 year 1 credit

Prerequisite: Spanish 2, Teacher Recommendation or Department Chairperson consent.

Students continue to perfect written and oral usage of Spanish through extensive review along with mastery of new grammatical structures. Students are immersed more in the language and the cultures of the Spanish speaking people through readings and cultural projects. A variety of audio and video material enhance knowledge and skills. An art unit which includes a research paper and oral presentation acquaints students with Spanish master painters.

SPANISH 4

Jr., Sr.

1 year 1 credit

Prerequisite: Spanish 3 or 3H

This course allows students to continue their practice of the language by speaking, reading, writing and listening to Spanish. Grammatical structures are reviewed and practiced. Reading is practiced through discussions of readings by Spanish and Latin American writers as well as cultural topics. Listening skills are practiced by viewing Spanish language videos and listening exercises accompanying the text.

SPANISH 4H

Jr., Sr.

1 year 1 credit

Prerequisite: Spanish 3 or Spanish 3H, teacher recommendation or Department Chairperson consent.

This course allows students to refine their linguistic skills by speaking, reading, writing, and hearing Spanish. Grammatical structures are reviewed and practiced by means of writing compositions. Oral fluency is practiced through discussion of readings by Spanish and Latin American writers and cultural topics. Listening skills are practiced and new cultural topics are learned by viewing Spanish language video tapes and listening to taped exercises accompanying the text. This course leads to Spanish 5 AP in language.

AP SPANISH LANGUAGE

Sr.

1 year 1 credit

Prerequisite: Spanish 4H or Department Chairperson consent

This demanding Spanish Advanced Placement course prepares students for the Spanish Language examination. Students should be able to comprehend formal and informal written and spoken Spanish and speak and write at an advanced college level (3rd year). Students will be expected to analyze and synthesize Spanish documents and speech samples to produce essays comparable to those required on the AP US History exam (DBQ format). A variety of exercises, readings, writings, and projects progressing in difficulty are required. Students are strongly encouraged to take the AP test.

INDUSTRIAL TECHNOLOGY

EXPLORING TECHNOLOGY

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: None – a \$25.00/semester fee will be assessed.

Exploring Technology is the introductory course for all students in the Industrial Technology Department. During this course students will explore Electronics, Computer Aided Drafting (CAD), Engineering and Woodworking. In this course students will complete multiple projects in all areas of Industrial Technology. The projects expose students to skills needed to pursue careers in this field. Hands on experience gives each student a foundation for success in any of the Industrial Technology courses.

INTRODUCTION TO ELECTRONICS

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None – A \$60.00/semester fee will be assessed.

This course includes the study of electronics as it applies to every day life. Instruction will cover resistance, capacitance, inductive circuits, transformer theory, resonance circuits, proper use of VOM's. Student built projects emphasize proper use of assembly techniques, circuit design, tools, and safety procedures. This course is a prerequisite for certain Technology Center of DuPage programs. Introduction to Electronics is highly recommended for college bound **Engineering** students.

ELECTRONICS

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Introduction to Electronics or approval by instructor. - A \$60.00/semester fee will be assessed.

This course offers detailed instruction in the following: rectifiers, filters, power supplies, design of tube/transistor/F.E.T./integrated circuit amplifiers, coupling systems, oscillator circuits, impedance matching, input-output transducers, signal tracing, and troubleshooting techniques used in amplifier repair. This course is a prerequisite for certain Technology Center of DuPage programs. Electronics is highly recommended for college bound **Engineering** students.

COMPUTER AIDED DRAFTING (CAD)

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None – A \$20.00/semester fee will be assessed.

CAD is a preparation course for students who plan to enter the fields of Engineering or Architecture. Enroll in our CAD class, and you will learn to use AutoCAD software to make drawings based on sketches done by engineers, surveyors, architects and scientists. CAD drawings can be used to build everything from small toys to hundred story skyscrapers. Using AutoCAD, students will learn how to draw 3-Dimensional, Orthographic and Architectural drawings. Students will also be exposed to using a 3D printer, one of the most powerful tools in the industry.

ARCHITECTURAL DESIGN

So., Jr., Sr.

1 year 1 credit

Prerequisite: None (Computer Aided Drafting is recommended.) A \$20.00/semester

This course is for students planning a career in any field related to architecture, construction, drafting, engineering or interior design. Students will be using AutoCAD, a computer aided drafting program, to learn about designing homes and other structures. Using AutoCAD, students will design and plan a residential home and complete a full set of drawings of this home. Students will also be exposed to using a 3D printer, one of the most powerful tools in the industry. This course is a prerequisite for certain Technology Center of DuPage programs.

GENERAL WOODS

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None - A \$50.00/semester fee will be assessed to apply towards the project chosen by the student.

This includes a study of hand tools, basic power machine operations, and related information through the development of projects which are carried from the planning state through the application of finishing materials. Emphasis is placed on using the power machinery and correct safety procedures in the development of the projects which include bookcases, coffee and end tables or a wall clock. This course is a prerequisite for certain Technology Center of DuPage programs.

MILLWORK AND CABINETMAKING 1

So., Jr., Sr.

1 year 1 credit

Prerequisite: General Woods or approval of instructor – A \$50.00/semester fee will be assessed to apply towards the project chosen by the student.

Learning experiences will include classroom instruction and shop activities related to developing practical skills in the woodworking trades. Instruction includes safety practices, career planning, furniture design, blueprint reading, gluing, jointing, fitting, assembly and finishing of furniture products. Major emphasis is placed on design and the construction of large furniture and cabinetwork developed through a study and use of power tools and equipment. Student activities are project oriented (poker tables, kitchen tables, futon beds, bookcases, etc.) and designed to provide basic level job entry skills or university level practical applications for engineering students.

MILLWORK AND CABINETMAKING 2

Jr., Sr.

1 year 1 credit

Prerequisite: Millwork and Cabinetmaking 1 or approval of instructor. A \$50.00/semester fee will be assessed to apply towards the project chosen by the student.

Learning activities in this course will emphasize the development of more advanced level skills and experiences in furniture design and cabinetry construction. Emphasis will be placed on the design, fabrication, and completion of furniture involving high levels of craftsmanship and vocational skills. Activities will include veneering, laminating, hardware installation, material costs and furniture finishing. Shop activities will be related to the development of advanced level job entry skills and career planning. A separate unit of instruction will include a study of the carpentry trades and the construction of a scale model house. Learning activities will include experiences in blueprint reading, building techniques, material estimating, layouts, assembly, rough construction, and a study of the related construction trades and labor unions.

ENGINEERING TECHNOLOGY

So., Jr., Sr.

1 year 1 credit

(One credit in Science, or one credit in Technology, or ½ credit in Science and ½ credit in Technology).

Prerequisite: None A \$35.00/semester fee

This course is designed for students with a strong math and science background who plan a career in Engineering, Architecture, or other "high-tech" fields. The emphasis is on applying math and science principles in order to be effective users of technology to solve engineering problems. Major units of study include CAD (computer aided drafting), electronics, woodworking, automation, and manufacturing processes. Science principles and labs include Newton's Laws, Aerodynamics, Projectile Motion, Electricity, and Simple Machines. Lab activities and hands on completion of CAD drawings, designing and building electronic circuits, and using test instruments. Students will also be exposed to using a 3D printer, one of the most powerful tools in the industry.

INDEPENDENT STUDY

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Approval of instructor. A fee will be assessed depending on the student's project.

Independent study is a mutual contract between the student and the teacher to perform and complete the study of a special project. The work will vary depending upon the subject area and the interests of the student. Independent study is designed for the student who has a special interest in one particular area of specialization and wishes to perform an in-depth study of this area. A personal interview with the teacher is required prior to a student being considered for independent study.

GLENBARD SOUTH HIGH SCHOOL TECHNOLOGY DEPARTMENT

Below you will find the courses taught in the Industrial Technology area.

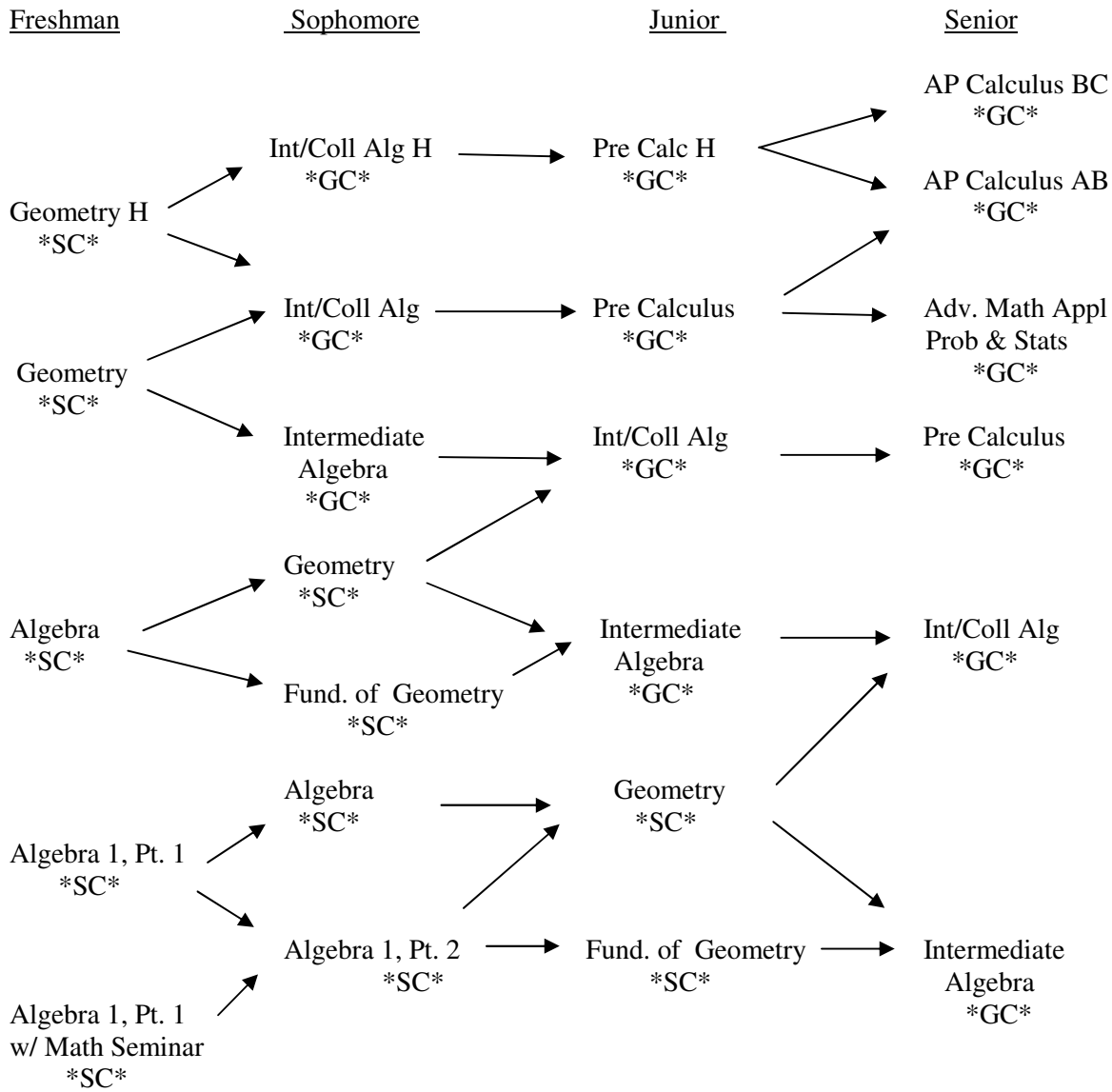
The classes are arranged according to year in school and technology subject area. Each box represents what is available to your student at the specific year in school he or she is.

Technology Subject areas	9th grade Course		10th grade Course		11th grade Course		12th grade Course		
	Auto Cad/ Architecture	Exploring Technology 1 year 1 credit	Architectural Design 1 year 1 credit	Computer Aided Design 1 semester 1/2 credit	Architectural Design 1 year 1 credit	Computer Aided Design 1 semester 1/2 credit	Architectural Design 1 year 1 credit	Architectural Independent Study 1 year, 1 Credit (Arch. Dwg is required)	
Electronics	Exploring Technology 1 year 1 credit	Electronics 1 semester 1/2 credit	Introduction to Electronics 1 semester 1/2 credit	Electronics 1 semester 1/2 credit	Introduction to Electronics 1 semester 1/2 credit	Engineering Technology 1 year 1 credit	Electronics 1 semester 1/2 credit	Engineering Technology 1 year 1 credit	
Engineering	Exploring Technology* 1 year, 1 credit	Engineering Technology* 1 year, 1 credit	Engineering Technology* 1 year, 1 credit	Engineering Technology* 1 year, 1 credit	Engineering Technology* 1 year, 1 credit	Engineering Technology* 1 year, 1 credit	Engineering Technology* 1 year, 1 credit		
Woodworking	Exploring Technology 1 year 1 credit	General Woods 1 semester 1 credit	General Woods 1 semester 1 credit	Cabinet Making I 1 year 1 credit (Gen. Woods is required)	General Woods 1 semester 1 credit	Cabinet Making II 1 year 1 credit (Cab. Making I is required)	Cabinet Making I 1 year 1 credit (Gen. Woods is required)	Cabinet Making II 1 year 1 credit (Cab. Making I is required)	Woods Ind. Study 1 yr, 1 credit (Cab. Making II is required)
Exploratory	Exploring Technology 1 year, 1 credit	Exploring Technology 1 year, 1 credit	Exploring Technology 1 year, 1 credit	Exploring Technology 1 year, 1 credit	Exploring Technology 1 year, 1 credit	Exploring Technology 1 year, 1 credit	Exploring Technology 1 year, 1 credit		

* Students may choose to take 1 credit in science or 1 credit in technology or 1/2 credit in science and 1/2 credit in technology

1. In order to graduate from Glenbard South you are required to have 1 course in the applied arts area.
Applied art includes Industrial Technology, Business Ed., Coop. Ed., TCD, Family and Consumer Science
2. Major Universities require 2 units of what they call "Flexible Academic Units."
Applied arts courses qualify for these "Flexible Academic Units" that you will need to gain entry in to college.

M A T H E M A T I C S



SC Scientific calculator required.

GC Graphing instrument required - A graphing calculator satisfies the scientific calculator requirement. Teachers will be using the TI-83 series and TI-84 series calculators for demonstrations.

GENERAL INFORMATION

Beginning with the class of 2009, three years of high school mathematics are required for graduation. Beginning with the class of 2010, these three years must include a year of Algebra and a year of Geometry. College bound students are recommended to take four years of mathematics.

MATH SEMINAR

Fr.

1 year 1 elective credit

Prerequisite: Teacher recommendation only

This course is designed to supplement the student enrolled in Algebra 1, Part 1 who is in need of additional skill development as determined by previous math performance and standardized assessments. The concurrent enrollment with Algebra 1, Part 1 will attempt to accelerate the student to secure independent success in subsequent math courses. Scientific calculator required.

ALGEBRA 1, PART 1

Fr.

1 year 1 credit

Prerequisite: Teacher recommendation

This is the first of a two-year sequence in elementary algebra. Successful completion of Algebra 1, Parts 1 and 2 constitute one college preparatory unit of algebra. The course content consists of function patterns with variables, rational number operations, solving equations and inequalities, and linear equations with their graphs. Scientific calculator required.

ALGEBRA 1, PART 2

So.

1 year 1 credit

Prerequisite: Algebra 1, Part 1

This is the second of a two-year sequence that is equivalent to one full year of algebra. The emphasis is on systems of equations and inequalities, exponents and related functions, operations with polynomials, quadratic equations and functions, and radical/rational expressions and related functions. Upon successful completion of this course the student will be recommended for a geometry course. Scientific calculator required.

ALGEBRA

Fr.

1 year 1 credit

Prerequisite: Teacher recommendation

This course stresses precision of language and emphasizes algebraic laws and structure. Generalization is used in acquiring manipulative skills and attaining adequate understanding necessary for continued study of mathematics. A strong arithmetic background is required for this course. This is a college preparatory course. The content includes all of the topics listed for Algebra 1, Part 1 and Algebra 1, Part 2. Scientific calculator required.

FUNDAMENTALS OF GEOMETRY

So., Jr., Sr.

1 year 1 credit

Prerequisite: Algebra 1, Part 2 or Algebra with teacher recommendation.

This is a course for those students who do not plan to continue in mathematic or scientific programs of study beyond high school. It is a geometry course which studies the general concepts of plane and solid geometry. It develops a student's ability to understand and use deductive reasoning and precise language. Scientific calculator required.

GEOMETRY

Fr., So.

1 year 1 credit

Prerequisite: Algebra or freshmen who have successfully completed a full year of algebra in the 8th grade or students who have a teacher recommendation from Algebra 1, Part 2.

This is a college preparatory course in geometry. It is an integrated course in plane, solid, and coordinate geometry. Emphasis is placed on deductive reasoning and formal proofs. Algebraic skills are strengthened and extended. The course lays a foundation for trigonometry through right triangles. Scientific calculator required this year, but a graphing instrument is needed for all courses that follow in this sequence.

GEOMETRY H

Fr.

1 year 1 credit

Prerequisite: Full year of Honors Algebra 1 in 8th grade.

Geometry H is the first in a sequence of courses which culminates in the study of Calculus in high school. This course is an integrated study of plane, solid, and coordinate geometry. Emphasis is placed upon deductive reasoning, formal proofs, and the interdependence of algebra and geometry. Along with extending the concepts and techniques of algebra, Geometry H assists in developing reading and reasoning skills needed in the subsequent courses. Scientific calculator required this year, but a graphing instrument is needed for all courses that follow in this sequence.

INTERMEDIATE ALGEBRA

So., Jr., Sr.

1 year 1 credit

Prerequisite: Geometry or Fundamentals of Geometry with teacher recommendation.

This course is designed for students with a background in the regular level sequence of mathematics who feel that they need an extra year of reinforcement in algebra before proceeding with Intermediate and College Algebra or taking the ACT and SAT tests. Intermediate Algebra is designed for the student who is not yet prepared for the level of abstraction required in Intermediate and College Algebra. This course includes considerable review and skill building in algebra; the connection between new topics and those covered in Algebra 1 is stressed. Student access to a graphing instrument is required.

INTERMEDIATE AND COLLEGE ALGEBRA (Int/Coll Alg) So., Jr.

1 year 1 credit

Prerequisite: Algebra and/or Geometry with teacher recommendation.

This is a second-year algebra course for students who have a strong background in algebra and/or geometry. It is a college preparatory algebra course that continues the development of algebra in the areas of algebraic expressions, factoring, equation solving, linear and quadratic functions, logarithms, complex numbers, matrices, the binomial theorem, trigonometry and other traditional algebraic topics. Student access to a graphing instrument is required.

INTERMEDIATE AND COLLEGE ALGEBRA H (Int/Coll Alg H) So.

1 year 1 credit

Prerequisites: Geometry H and/or teacher recommendation.

This course synthesizes and connects the concepts in Algebra 1 and Geometry H, by concentrating on mathematical models and graphical representations of real world problems. The topics of study include algebraic proof, linear and quadratic systems, matrices, complex numbers, functions and relations, conic sections, exponential and logarithmic functions, sequences and series, probability and data analysis, the binomial theorem and trigonometry. Student access to a graphing instrument is required.

PRE CALCULUS

Jr., Sr.

1 year 1 credit

Prerequisite: Intermediate and College Algebra and Geometry.

This course is designed for college bound students interested in strengthening their background in trigonometry and analytic geometry. It involves the study of elementary functions, which include quadratic, polynomial, circular and trigonometric, logarithmic, and exponential functions. It also includes the study of conic sections, sequences and series, polar and parametric equations and vectors. Geometric concepts are studied in both two and three dimensions. Student access to a graphing instrument is required.

ADVANCED MATHEMATICAL APPLICATIONS Sr. 1/2 year 1/2 credit

Prerequisite: Pre Calculus or teacher recommendation.

This course is designed primarily for students whose college education will likely lead to a career in business or in the behavioral, social, or biological sciences. Course topics include logic, sets, modeling, linear equations and inequalities, matrix algebra, linear programming, and the simplex method. Applications are presented which require problem-solving experiences in the above fields. Student access to a graphing instrument is required.

PROBABILITY AND STATISTICS Sr. 1/2 year 1/2 credit

Prerequisite: Pre Calculus or teacher recommendation.

This course familiarizes students with simple experiment design, formulation and testing of hypotheses, and adoption of confidence intervals. It is a college-preparatory course recommended for students considering careers involving data management such as computer sciences, biological sciences, business management, and research fields. Students will become familiar with computer statistics software used to interpret, apply, and evaluate data. Student access to a graphing instrument is required.

PRE CALCULUS H Jr. 1 year 1 credit

Prerequisite: Intermediate and College Algebra H and teacher recommendation.

This course is designed to prepare the above-average mathematics student for the study of AP Calculus. Trigonometry is developed from the circular function viewpoint as periodic functions of a real variable. Vector algebra, the system of complex numbers, and matrix algebra provide the student with an opportunity to see how trigonometry is involved in many fields of present day mathematics. Relationships between circular functions and infinite series are presented along with limits of sequences. Concepts of coordinate geometry introduced in previous mathematics courses are extended and strengthened through a vector approach. Conic sections are studied in detail along with related 3-space concepts. Student access to a graphing instrument is required.

AP CALCULUS (AB) Sr. 1 year 1 credit

Prerequisite: Pre Calc H or Pre Calculus with teacher recommendation.

This is a full year course that follows the outline of the College Entrance Examination Board for Calculus AB. Topics include limits, differentiation and its application, and basic integration techniques. Completion of this course prepares the student for the AP Examination in the level of Calculus AB. Success on this examination may qualify students for advanced placement and/or credit from their college or university. This course is equivalent to one semester of college calculus. Student access to a graphing instrument is required.

AP CALCULUS (BC) Sr. 1 year 1 credit

Prerequisite: Pre Calc H with teacher recommendation.

This is a full year college-level course in Calculus. The material follows the outline of the College Entrance Examining Board for Calculus BC. In addition to all topics covered in AP Calculus AB, this course includes advanced techniques of integration, indeterminate forms, improper integrals, infinite series, and polar, parametric and vector-valued functions. Upon successful completion of the Advanced Placement Examination, the student may qualify for college credit. This course is equivalent to two semesters of college calculus. Student access to a graphing instrument is required.

MUSIC

With particular emphasis on the systematic development of musical understanding through the mode of performance, all music courses aim to develop skills and establish standards of critical judgment by which students can prepare for an adult life of "music-making" as either performers or consumers of music. All music courses require a fee of \$10.00 per semester.

BEGINNING BAND

Fr., So., Jr.

1 year 1 credit

Prerequisite: None

This course offers intensive individual and group instruction in the fundamental skills of playing a brass, woodwind, or percussion instrument. Emphasis is placed on tonal concepts and the understanding of music notation. When available, oboes, bassoons, horns, baritones, tubas, and percussion instruments are provided by the school. Students wishing to study flute, clarinet, saxophone, trumpet, or trombone must supply their own instrument through purchase or rental from a music store. Each student selects one instrument for study throughout the year. Upon completion of the course students may audition for membership in one of the Concert Bands.

CONCERT BAND 2

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: Previous instruction on the chosen instrument at the Middle School level or successful completion of Beginning Band.

This ensemble focuses on the fundamentals of technique and musicianship. These fundamentals include instrument care, posture and playing position, embouchure, breath control, tone production, intonation, and fingerings. The techniques of ensemble and full band performance are stressed. Upon completion of this course, students may audition for a more advanced band.

CONCERT BAND 1

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: Playing audition and selection by the director.

Concert Band is an intermediate level instrumental ensemble which gives particular attention to the fundamentals of chamber and large ensemble performance, and the continued development of technical skills. Rehearsal techniques, tone production, aural and perceptual skills, and rudimentary music theory are stressed. In addition to several formal concerts, members are required to participate in marching performances, various school/community activities, and sectionals. Music performed by this group is primarily grade III and IV level. Upon completion of this course students may audition for the Symphonic Band.

SYMPHONIC BAND

So., Jr., Sr.

1 year 1 credit

Prerequisite: Audition and recommendation of the director.

An advanced instrumental ensemble, the Symphonic Band concentrates on the analysis and performance of the highest quality music literature for winds and percussion. Instruction stresses advanced perceptual, aural, and technical skills for woodwind, brass and percussion instrumentalists, as well as music theory, historical concepts, and fundamental conducting techniques. In addition to several formal concerts, members are required to participate in marching performances, various school/community activities, and sectionals. Also, members have the opportunity to participate in numerous district, state, and college sponsored music festivals, concerts, and contests.

ORCHESTRA 1

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: None

This class is for the beginning stringed instrument player with little or no musical training. Instruction is offered on orchestral stringed instruments: Violin, Viola, Cello and Stringed Bass. Fundamentals of string playing are taught with an emphasis on proper instrument and bow position, tone production, intonation, rhythm, note reading, basic music theory, ensemble playing, and the development of basic aural skills. Upon completion of this course the student may audition for membership in the Chamber Orchestra.

CHAMBER ORCHESTRA

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: Previous instruction on chosen instrument at the junior high level.

In this class, students receive additional technical and musical training. Emphasis is placed on bowings, vibrato, intonation, and rhythm. Several types of compositions are prepared and presented in public concert.

CONCERT ORCHESTRA

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: Strings - One year of previous orchestra instruction and recommendation of the director. Winds and Percussion - Enrollment in Symphonic Band.

An advanced instrumental ensemble, the Concert Orchestra concentrates on the analysis and performance of the highest quality music repertoire for strings. Instruction stresses perceptual, aural and technical skills for string instrumentalists, as well as music theory, historical concepts, and fundamental conducting techniques. In addition to several formal concerts, members are required to participate in chamber music programs, various school/community activities, and sectionals. Also, members have the opportunity to participate in numerous district, state and college sponsored music festivals, concerts, and contests.

TREBLE CHOIR/BARITONE CHOIR

Fr., So., Jr., Sr.

1 year 1 credit

Prerequisite: None

This group is for the beginning singer with little or no musical training. Fundamentals of music notation, sight reading, breath control, and tone production, as well as basic aural skills are taught. Each year members are required to participate in several formal concerts presented by both the individual choruses and the combined choral department. Upon completion of the course, students may audition for membership in one of the advanced choral organizations.

ADVANCED CHORUS

So., Jr., Sr.

1 year 1 credit

Prerequisite: One year of previous choral instruction and recommendation of the director.

This vocal ensemble is an advanced group for singers who have had experience in a chorus. Continued study of tone production and breath control, perceptual skills, elementary sight reading, and music theory concepts are stressed. Each year members are required to participate in several formal concerts presented by both the individual choruses and the combined choral department. Upon completion of the course students may audition for membership in the Concert Choir.

CONCERT CHOIR

So., Jr., Sr.

1 year 1 credit

Prerequisite: Recommendation of the director.

An advanced vocal ensemble, the Concert Choir concentrates on continued study of tone production and singing techniques, perceptual skills, advanced sight reading, music theory, and an introduction to the historical musical periods are stressed through the use of high quality music literature. Members are required to participate in several formal concerts at school and within the community each year. Also, members have the opportunity to participate in numerous district, state, and college sponsored music festivals, concerts, and contests.

AP MUSIC THEORY

So., Jr., Sr.

1 year 1 credit

Prerequisite: Faculty recommendation.

Music Theory is designed for students who are interested in furthering their knowledge of music through a detailed study of the components of musical composition and style. Student assignments include the application of compositional techniques derived from the analysis of music literature, and aural skill exercises. Attendance at various school and community music programs is required. This course offers a foundation for those seriously considering further musical study/performance on the college or semiprofessional level.

BEGINNING GUITAR

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

This course offers beginning instruction on acoustical guitar. Instruction emphasizes music fundamentals, chord structures, music notation, picking, strumming, and instrumental techniques for accompanying and playing traditional and contemporary songs. Students must supply their own instrument through rental or purchase from a local music store.

HEALTH AND PHYSICAL EDUCATION

HEALTH

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Health Education is an eighteen week course required by the State of Illinois for graduation. This course is incorporated within the Physical Education Curriculum at the freshman level. The units of study are: Emotional Health, Nutrition, Aging, Death and Dying, Human Sexuality, Disease Control and Prevention and Alcohol, Tobacco and other Drug Abuse.

ADVANCED HEALTH

So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Health

Advanced Health emphasizes two main areas.

I. Controversial Health Issues: This class will provide students with the opportunity to explore current controversial health-related issues. Students will be encouraged to critically think about various health topics. Each class will decide what issues will be discussed in detail. The following are samples of possible topics for discussion: 1. Should pregnant drug users be prosecuted? 2. Should drugs be legalized? 3. Have the dangers of date rape been exaggerated?

II. Health Care Careers: Students who are interested in health-related fields are encouraged to take this course. Guest speakers will be included in this class on a weekly basis and will talk about various opportunities in health care. A sample of some of the guest speakers we have had are: Pharmacist, Coroner, Nurse, and Physical Therapist.

NOTE: Beginning with the class of 2013, grades earned in physical education will be used in computing a student's grade point average.

FRESHMAN PHYSICAL EDUCATION

Fr.

1/2 year 1/2 credit

This course includes an orientation to Glenbard South Raider sports and fitness programs. Students will be introduced to physical fitness testing. Emphasis is placed on the knowledge and development of fitness and wellness concepts through instruction and physical activities. Grades will be based upon written examinations and daily class participation. The standard physical education uniform is required. A fee of \$10.00/semester will be assessed.

SOPHOMORE PHYSICAL EDUCATION

So.

1/2 year 1/2 credit

This course includes physical fitness testing, and an introduction to selected racquet sports and team sports. Emphasis is placed on the knowledge and development of fitness and wellness concepts through instruction and participation in physical activities. Grades will be based upon written examination, team play, sportsmanship, effort and daily participation. The standard physical education uniform is required. A fee of \$10.00/semester will be assessed.

JUNIOR-SENIOR PHYSICAL EDUCATION Jr., Sr.

1/2 year 1/2 credit

There are eight semester course offerings in the Jr/Sr elective program. Students may select the same course offering each semester. The exception to this selection process is Self Defense. All Physical Education courses require a fee of \$10.00 per semester.

1. *Team Sports I (Boys Team)* - The course activities may include soccer, basketball, floor hockey, flag football, ultimate football, team handball, fleetball, softball and bowling. (Bowling fees will be assessed at \$31.00)
2. *Team Sports II (Girls Team)* - The course activities may include team handball, basketball, ultimate frisbee, floor hockey, volleyball, flag football, softball, badminton, tennis and bowling. (Bowling fees will be assessed at \$31.00)
3. *Aerobics* - Aerobics includes instruction in various aerobic activities. Classes will include step aerobics, low impact aerobics, circuit workouts, interval workouts, weight training, toning, band workouts, fitness walking and conditioning. Cardiovascular and physical fitness are among the desired outcomes.
4. *Strength Training* - The development of total body strength and power will be stressed. Students will train to achieve personal and sports fitness goals. Individuals will be assessed for strength in the major muscle groups and programs of training will be designed to attain desired outcomes. The emphasis of training will be primarily in the power weight room, with flexibility and aerobic work rounding out the program. The student must receive an A or B in order to participate in the course for a second time.
5. *Self Defense* - This course will provide an introduction to punches, kicks, and hold releases. Several martial art forms will be used to develop punching, kicking, blocking and other self defense skills. Techniques to be used against various attacks and grabs will be emphasized. The development of muscle strength, muscular endurance, flexibility, balance and agility will be stressed. Additional aerobic activities, individual, and team activities will be incorporated.
6. *Dance Arts* - This course will combine the elements of Dance and Fitness in a program that will enhance the physical well being and talents of the student. Dance styles and steps and the different areas of fitness will be covered. Basic locomotion skills and training techniques will be incorporated in the routines, dances, and workouts.
7. *Gymnastics* - This course will build on the knowledge and skills from the Freshman and Sophomore units. Basic skills will be reviewed and practiced. Students must have the ability to do basic skills. Intermediate and advanced skills will be introduced to students ready to move up a skill level. All events will be covered and skills on four different pieces of equipment will be tested. Proper safety and training techniques will be emphasized.
8. *Peer Tutor* – In peer tutor physical education the focus is on team sports with an introduction into personal fitness. Junior and senior peer partners will be matched up with a student with special needs and rotate on a unit to unit basis. Peers will be responsible for assisting the student in learning and demonstrating the fundamental skills in each team sport. Units of activity may include: soccer, basketball, volleyball, softball, floor hockey, bowling and survivor PE. Teacher recommendation is required to enroll in this course.
(T-shirt fee for survivor P. E. is \$10.00; guided student fee is \$17.50)

While the emphasis is placed on daily activity, the daily program may be devoted to the instruction of skills, techniques, and strategies. Grades are based upon written examinations, application and analysis of activity components and daily participation. All courses will include fitness testing. The standard physical education uniform is required.

S C I E N C E

A fee of \$20.00/semester will be assessed for all science courses.

INTRODUCTORY SCIENCE PRINCIPLES (ISP) Fr. 1 year 1 credit

This course is designed to introduce students to science principles and laboratory inquiries that will increase their understanding and success in the sciences throughout the high school science curriculum. Topics include the study of the structure of the universe, plate tectonics, electricity, weather and the physics of the atmosphere. The second semester uses extensive laboratory investigations to explore the basic properties of matter and provides a foundation for chemistry. The course ends with a laboratory research project that incorporates computer assisted instruction and applied analytical chemistry. This course, as a whole, provides a strong foundation for physics and chemistry.

BIOLOGY So., Jr., Sr. 1 year 1 credit

Prerequisite: None

This course is a survey study of living organisms, how they function, and how they interact in the biosphere. Topics include molecular biology, cellular metabolism, homeostasis, genetics, ecology and taxonomy. There is an emphasis on an inquiry approach focusing on laboratory experimentation, computer simulations, and special projects. This course is a prerequisite for certain Technology Center of DuPage programs.

BIOLOGY HONORS Fr. 1 year 1 credit

Prerequisite: Geometry or concurrent enrollment.

The honors program provides an inquiry approach to the study of life science. The course is centered around laboratory investigations and focuses on the topics of cell life and function, genetics and evolution, ecology and the theme of homeostasis. Freshmen must meet district placement. All recommendations will be reviewed by the Glenbard science chairperson. This course is a prerequisite for certain Technology Center of DuPage programs.

ANATOMY AND PHYSIOLOGY Jr., Sr. 1 year 1 credit

Prerequisite: Health and Biology R

This course surveys the structure and function of the human body, covering basic topics such as tissues, diffusion, and anatomical terminology before moving on to the major systems of the body. Some of the systems included in this course are the skeletal, integumentary, muscular, nervous, endocrine, digestive, excretory, and cardiovascular systems. The course emphasizes laboratory experience and practice using a lab textbook that incorporates the use of spirometers, EKGs, some dissections, oxygen and carbon dioxide detectors, and microscope work. Students also have the opportunity to work hands on with various models and use Internet simulations.

ECOLOGY Jr., Sr. 1 year 1 credit

Prerequisite: Biology R

Ecology is the study of the relationships between plants and animals and their environment. This is a laboratory course that includes field studies, environmental testing, current environmental topics and independent projects. The course focuses on the practical aspects of the world today.

CHEMISTRY IN THE COMMUNITY (CHEM COM) Jr., Sr. 1 year 1 credit

Prerequisite: Algebra 1 and ISP or Biology R, or approval of Department Chairperson.

This course was designed by the American Chemical Society (ACS) as a class for students who want to take a college track chemistry course, but would prefer a course with less emphasis on math and a stronger emphasis on the application of chemistry in the community. The ChemCom text focuses on major themes including water resources, mineral resources, petroleum, nuclear power and atmospheric chemistry. Topics are explored using lab activities, demonstrations, computers and two field trips. This course covers the same topics as the chemistry and honors chemistry courses. This course is a prerequisite for certain Technology Center of DuPage programs.

CHEMISTRY Jr., Sr. 1 year 1 credit

Prerequisite: Intermediate and College Algebra completed or concurrent enrollment.

Chemical principles are taught from an experimental point of view. Student experimental results are brought together in group results to discover the regularities associated with chemistry. A familiarity with graphing techniques and an understanding of ratio and proportion are precursors to success. The course is designed for fulfilling the need for a more general understanding of the principles of chemistry in the light of today's increasingly technical society. Principles of science covered in chemistry are: chemistry of matter, equilibrium, kinetics, potential and kinetic energy, and atomic structure. Lab techniques taught include: making laboratory measurements, titration, and calorimeter. This course is a prerequisite for certain Technology Center of DuPage programs.

CHEMISTRY HONORS So., Jr. 1 year 1 credit

Prerequisite: Geometry; Intermediate and College Algebra concurrent enrollment.

This course covers the same topics as Chemistry with more in depth investigations and problem solving. Sophomores may enter with science teacher recommendation. The course develops abstract reasoning skills and uses mathematical relationships to understand chemical principles. This course is a prerequisite for certain Technology Center of DuPage programs.

ENGINEERING TECHNOLOGY So., Jr., Sr. 1 year 1 credit

(One credit in science **or** one credit in technology **or** ½ credit in science and ½ credit in technology)

Fee: A \$35 fee per semester will be assessed.

Prerequisite: None

This course is designed for students with a strong math and science background who plan a career in engineering, architecture, or other "high tech" fields. The emphasis is on applying math and science principles to effectively use technology to solve engineering problems. Major units of study include CAD (computer aided drafting), electronics, woodworking, automation, and manufacturing processes. Science principles and labs include Newton's Laws, aerodynamics, projectile motion, electricity, and simple machines. This course also includes lab activities and hands on activities like completion of CAD drawings, designing and building electronic circuits, and the proper use of test instruments. Students will also be exposed to using a 3D printer, one of the most powerful tools in the industry.

PROJECT PHYSICS Jr., Sr. 1 year 1 credit

Prerequisite: Algebra 1 and Chem Com or approval of Department Chairperson

Project Physics is a laboratory course that examines the phenomena that occurs in every day life. While some simple mathematics is used, the conceptual nature of Physics is stressed while also looking at the development of these concepts in a historical perspective. The subjects to be studied include motion, relativity, mechanics waves, light, and electromagnetism. The course provides important background for students interested in careers in the health, computer, electronics, and data processing professions.

PHYSICS

Jr., Sr.

1 year 1 credit

Prerequisite: Intermediate and College Algebra or approval of Department Chairperson.

This is a laboratory oriented course designed to give the student an overview of various areas of the physical universe. The laboratory experience is designed to permit the student to inquire into the nature of physical law, a process which is transferable to any discipline. In addition, some problem solving is included. Algebra and geometry are the only math requirements. Topics covered in this course include kinematics, mechanics, light, waves, electricity and magnetism, and atomic structure.

PHYSICS HONORS

Jr.

1 year 1 credit

Prerequisite: Intermediate and College Algebra, and Precalculus recommended concurrently.

This is a laboratory-oriented course designed to give the student an overview of various areas of the physical universe. The laboratory experience is designed to permit the student to inquire into the nature of physical law, a process that is transferable to any discipline. These investigations stress the ability to analyze data in which a particular variable depends on several other variables. The student then applies these physical principles to in depth problem solving. Topics covered in this course include kinematics mechanics, heat and kinetic theory, light, waves, electricity and magnetism, and atomic structure. This course is intended as an honors course for juniors.

AP CHEMISTRY

Sr., Jr.

1 year 1 credit

Prerequisite: Chemistry, Physics or concurrent enrollment, and Intermediate and College Algebra.

It is highly recommended that those students enrolled in Chemistry AP take the College Board Advanced Placement exam. The principles covered are identical to those in most first year courses at colleges and universities. Most labs are concerned with quantitative techniques. Modern instruments are used including colorimeters, pH meters, and digital analytical balances. Topics included in the course are: atomic structure, equilibrium, the properties of the states of matter, thermodynamics, kinetics, bonding, acid-base chemistry, electrochemistry and some descriptive chemistry. This course carries honors credit.

AP BIOLOGY

Jr., Sr.

1 year 1 credit

Prerequisite: Biology and Chemistry.

Lecture sessions will emphasize most of the concepts generally covered in a first year college general biology course: biochemistry, surveys of the protist and plant and animal kingdoms, cell structure and physiology, metabolism, genetics, reproduction and evolution. Laboratory sessions include: problem solving and processes of biological investigation, molecular genetics, micro metabolism, population dynamics, plant and animal growth, development, regulation, and behavior. A study of mammalian anatomy using the fetal pig is included as part of the laboratory experience. This course carries honors credit.

AP PHYSICS C MECHANICS/

Sr.

1 year 1 credit

AP PHYSICS C ELECTRICITY AND MAGNETISM

Prerequisite: Chemistry, Physics, Calculus (completed or taken concurrently)

This course follows the Advanced Placement level C syllabus, which is equivalent to the first two semesters of a college calculus-based physics course taken by engineering, math and science majors. Emphasis is placed on problem solving, but a significant amount of laboratory work is done to instruct students in the methods of data and error analysis. Mechanics including rotation is covered first semester while electricity and magnetism, including Maxwell's Equations, are covered second semester.

SOCIAL STUDIES

	<u>REGULAR</u>	<u>HONORS</u>
<u>Freshman</u>	<ul style="list-style-type: none"> - World History - World Geography 	<ul style="list-style-type: none"> - World History Honors
<u>Sophomore</u>	<ul style="list-style-type: none"> - World Geography - World History - Contemporary World History - Modern Issues I + II 	<ul style="list-style-type: none"> - Contemporary World History H
<u>Junior</u>	<ul style="list-style-type: none"> - U.S. History - Junior / Senior Electives** (see below) 	<ul style="list-style-type: none"> - AP U.S. History - Junior / Senior Electives** (see below)
<u>Senior</u>	<ul style="list-style-type: none"> - Modern Issues I + II - Junior / Senior Electives** (see below) 	<ul style="list-style-type: none"> - AP European History - Junior / Senior Electives** (see below)

Junior / Senior Electives**

- Sociology
- Psychology
- AP – Psychology
- Economics
- Government
- Contemporary U.S. History

SOCIAL STUDIES

WORLD GEOGRAPHY

Fr., So.

1 year 1 credit

This course is both an activities course and discussion course about the major aspects of physical and political geography. The purpose is to relate physical geography to the economic, political, social, and cultural aspects of human activity. The course studies the world's geographic regions and relates those studies to today's fast-moving world. Included in the study will be map reading, map making, and the collection of factual information and using this information to draw conclusions. In addition this course acts as a survey to expand students' knowledge of computer terminology and geographic software available at South.

WORLD HISTORY

Fr., So.

1 year 1 credit

The study of World History includes the following chronological time periods: Ancient Civilizations 4000-100 B.C., Classical World 100 B.C.-300 A.D., Middle Ages 300-1500 A.D., Rise of Western Civilization 1500-1900 A.D., and Modern Times 1900 - present. The course centers on major civilizations, their contributions and characteristics especially in the following areas: Politics (how people govern themselves), Economics (how people produce, distribute, and consume goods and services), Society (how people deal with each other, individually and in groups), and Culture (how people express their thoughts, feelings, ideas in literature, philosophy, and art).

WORLD HISTORY H

Fr., So.

1 year 1 credit

Prerequisite: Recommendation of the Department Chairperson or Instructor

World History Honors is a survey course of the history of humankind from the earliest civilizations to the nationalism of the present age. The content is structured chronologically with an emphasis on political, economic, social and cultural achievements in the main geographical areas of Asia, Africa, the Middle East, Europe, and the Americas. Emphasis will be placed on the examination of primary and secondary sources presenting various historical viewpoints. The Social Studies skills to be practiced are critical writing and creative thinking, research, problem solving and decision making. Students are expected to demonstrate above-average skills in reading and a willingness to develop new skills of analysis, interpretation and expression.

CONTEMPORARY WORLD HISTORY

So., Sr.

1 year 1 credit

Prerequisite: World History or World Geography

This course is recommended for sophomore or senior students who have taken World History or World Geography. Students will investigate the major themes, concepts, and events that led to the development of the world today. The first semester will deal with the rise of European power and influence including the major units of industrialization, imperialism, WWI, rise of dictatorships, WWII and the Cold War. Students in the second semester will investigate the independence and development movements in the Nonwestern world including the rise of modern India, Japan, China, the Middle East and Africa. Students in the second semester will also follow the main news stories and issues regarding a region of the world. This class is recommended for students with average to above average academic skills that are willing to utilize their skills at research, presentation, discussion, debate and reading analysis in order to understand the modern world.

CONTEMPORARY WORLD HISTORY (HONORS) So., Jr., Sr. 1 year 1 credit

Prerequisite: World History or World Geography

This course is an advanced study of the major forces impacting the world today. The course follows the advent of the modern industrial world from its inception in late nineteenth century Europe to the rest of the world throughout the twentieth century. Major topics include the spread of industrial imperialism in Europe to the world, the vast destruction brought about by World War I and World War II, the Cold War, the rise of post-colonial powers in China and India, and the hotbeds of conflict in the Middle East from 1945 to today. Higher order critical thinking skills will be developed through an intense focus on writing well-supported interpretive essays. Supplemental readings will include many primary sources as well as excerpts from fictional and non-fictional representations of the regions being studied at various times in history.

UNITED STATES HISTORY Jr. 1 year 1 credit

The course deals with the development of the American nation through the following stages: Exploration, Colonial, Revolutionary, Constitutional, Nationalism, the Civil War and Reconstruction. The second semester covers the American national development through the following stages: Industrial Development, U.S. as a Developing World Power, World War I, the Depression era, World War II, and problems and responsibilities of a world power in the modern world.

AP UNITED STATES HISTORY Jr. 1 year 1 credit

Prerequisite: Consent of department chairperson or world history instructor.

This course is designed for the student of history. This course offers an advanced approach to the study of the development of the American nation through the eras of exploration, colonialism, revolution, nationalism, civil disruption, reconstruction, industrialization, the development of a world power, the war years, and the modern day period. Major emphasis will be on written and oral interpretations of various historical viewpoints. Recommended for the skilled reader and learner. Semester I and II Study Guide purchase required.

HUMANITIES HONORS Jr., Sr. 1 year 1 credit

Prerequisite: World History; teacher or Department Chairperson recommendation.

This introductory course in the humanities explores the historical and philosophical foundations of each major epoch of Western civilizations, from fifth century B.C. Greece to twentieth century America; studies major works of art, music, literature, dance, and drama which were the expressions of their times; traces the progress of ideas through changing political and religious eras; tries to better understand present American culture as a product of the past. This course aims to develop critical thinking skills through oral and written expression. Students will evaluate primary sources; experience works of art, music, dance, and drama; gain confidence in making and supporting independent judgments about important events in the history of ideas through journals and written assignments as well as discussion.

SOCIOLOGY Jr., Sr. 1/2 year 1/2 credit

Prerequisite: Department Chairperson or teacher recommendation.

The individual becomes acquainted with how various social groups interact with one another, within our modern society, and how factors of culture, geography, population, and biology influence society. It is both a theoretical and practical approach to the study of society. An emphasis is placed upon understanding the reciprocal relationship between the individual and the group. Recommended for college bound students, with strong reading and reasoning skills.

ECONOMICS

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Department Chairperson or teacher recommendation.

This course is designed to provide an introduction to the fundamental concepts and principles basic to the American economic system. The student will study a combined approach of economic theory, which will include both micro and macroeconomics. In addition, emphasis will be placed upon application and problem solving situations relevant to our economy from the past through the present. Recommended for the college bound student.

UNITED STATES GOVERNMENT

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Department Chairperson or teacher recommendation.

This course will analyze the structure of American government and politics. Each student will study contemporary political problems ranging from national issues surrounding the Chief Executive, Congress, and the Judiciary, to practical politics including voting behavior and election campaigning in state and federal elections. There is an emphasis on current issues and events.

MODERN ISSUES 1

So., Jr., Sr.

1/2 year 1/2 credit

The first semester emphasizes interpersonal relationships and Law. The skills of Critical Thinking, Media and Propaganda, Relationship, Marriage and Family are covered. Emphasis is placed on the development of skills in critical thinking and writing. Magazine subscription required.

MODERN ISSUES 2

So., Jr., Sr.

1/2 year 1/2 credit

The second semester emphasizes the effects of the Legal System on Contemporary Society and how the legal system functions in Illinois and DuPage County. The specific units are an Introduction to the Law and Legal System, Criminal and Civil Law, Criminal Procedure, Juvenile Law, and the Courts and Corrections. At the end of the semester (time permitting) a current and topical issue is individually researched and reported on by students. A field trip fee is required.

PSYCHOLOGY

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Department Chairperson or teacher recommendation.

This course is designed to give the student insight into the study of behavior and mental processes. Topics studied include: learning process, emotional development, the physiology of brain and body development, learning and memory motivation, emotion, personality, sensation, perception, abnormal psychology, attitudes, and other factors which affect individual human development. Recommended for college bound students with strong reading skills.

AP PSYCHOLOGY

Jr., Sr.

1 year, 1 credit

Prerequisite: Department Chairperson or teacher recommendation.

Students will be introduced to the systematic and scientific study of the behavior and mental process of human beings and other animals. In addition, the course will examine psychological facts, principles, and phenomena associated with each of the major subfields within psychology. The methods psychologists use in their science and practice is also examined. The aim of the course is to provide the student with a learning experience equivalent to that obtained in most college introductory psychology courses. Students will have an opportunity to earn additional AP college credit after completing their full year course.

CONTEMPORARY U.S. HISTORY (1945 - PRESENT)

Jr., Sr.

1/2 year 1/2 credit

Prerequisite: World History and/or U.S. History; teacher recommendation or Department Chairperson approval.

This course will focus on the role of the United States in domestic and foreign situations since World War II. Major issues ranging from the Cold War, Vietnam, the Mideast, the fall of the Berlin Wall, Gulf War, Kosovo, the war in Iraq, and domestic issues such as civil rights, social, political, and economic trends, assassinations, the CIA, Watergate, Reagonomics, the boom economy of the 90's and the Clinton presidency, and the Bush administration. The course approach will include research of newspaper and magazine articles of the times and class discussions of important issues as they relate to the United States and its growth since World War II including the influence of entertainment and sports upon the American people.

AP EUROPEAN HISTORY

Sr.

1 year 1 credit

Prerequisite: World History Honors or World History Regular with a subsequent course(s) in the Social Studies Honors sequence plus the Recommendation of the Social Studies Department Chair.

This study of European history since 1450 will introduce students to the social, economic, political, intellectual and cultural developments that have helped to shape the world today. In addition to telling the story of how the modern western world came to be, the AP program in European history will help students to better understand the ideas at the very foundation of our own world view and improve in the skills of interpretation, discussion, analysis and evaluation necessary for both academic and professional success. This course will prepare students for the Advanced Placement examination in European History. Students who take this course are expected to take the AP exam in May.

SPECIAL EDUCATION

Fees for Special Education courses are as follows:

Guided Program - Community and life skills	\$130.00/year
Guided Program - Consumer Math	\$20.00/year
Guided Program – Reading	\$20.00/year
Guided Program – Language Arts	\$20.00/year
Guided Program – Peer PE	\$35.00/year

PHILOSOPHY:

The primary goal of the special education program at Glenbard South is to provide for the unique individual needs of our special education students. Services are implemented according to the needs and goals recommended in each student's Individualized Education Program (IEP). Special Education services may be provided through a consultative model, within a resource setting (i.e. the student is spending less than 50% of his/her day in special education classes,) or within an instructional setting (i.e. the student is spending 50% or more of his/her day in special education classes) with the goal of providing services at the least restrictive level necessary to achieve student success.

PROGRAM DESCRIPTION:

District 87 is a member of the Cooperative Association for Special Education (CASE) which administrates special education programs throughout the District. Glenbard South provides services for Learning Disabled and Emotionally Impaired students, as well as for a number of lower incidence handicapping conditions such as mental impairment (Guided Instructional Program (GIP), Autism, and Other Health Impairment. Services are also provided for Speech, Vision and Hearing Impaired students.

Below is a listing of the subject areas that may be taught within the various programs. Every effort is made to match the curricula of the standard classes in these areas and meet the individual learning needs of each student. Each program has its own name for the actual course, and fees may vary from one program to another.

INTEGRATED INSTRUCTION

Integrated Instruction courses are taught by a team of general education and special education teachers in a general education classroom. The special education teacher provides special education services to adapt, as necessary, the curriculum to accommodate individual students' needs. The special education teacher delivers individualized instruction without compromising the quality or rigor of the curriculum. The content area teacher retains responsibility for the direction of curriculum. The special education teacher retains responsibility for the dictates of special education students' Individualized Education Plan (I.E.P.). Examples of adaptations include direct tutoring, study guides, repeated instruction, small group instruction, cues and prompts, task analysis, extended time and/or oral testing, books on tape, behavior modification plans, note-taking strategies and the facilitation of parent communication. The realignment of services is available to all students in the class regardless of whether or not they possess an I.E.P.

NOTE: All curricula used by the Special Education Department may be adapted as necessary to meet the specific learning needs related to an individual student's disability.

SPECIAL EDUCATION COURSES

ENGLISH 1

Fr.

1 year 1 credit

Communication skills involving reading, writing, listening and verbal expression will be examined in this course. Through the use of literature students will increase their reading comprehension and fluency, vocabulary and composition skills. The literature and composition activities mirror those provided in the basic level courses. Students who demonstrate mastery of content will be recommended for basic level placement. Placement is dependent on multidisciplinary team recommendation. This course fulfills the English requirement.

ENGLISH 2

So

1 year 1 credit

English 2 is designed to meet the needs of students requiring the acquisition of basic skills in reading, writing, listening, vocabulary, and communication. The literature and composition activities mirror those provided in the basic level courses. Writing activities include writing the various sentence types, writing the different paragraph types, and writing the literary and personal essay. Students who demonstrate mastery of content will be recommended for basic level placement. Placement is dependent on multidisciplinary team recommendation. This course fulfills the English requirement.

ENGLISH 3

Jr.

1 year 1 credit

English 3 is designed to meet the needs of students requiring the acquisition of basic skills in reading, writing, listening, vocabulary, and communication. The literature and composition activities mirror those provided in the basic level courses. Writing activities include writing the various sentence types, writing the different paragraph types, and writing the literary and personal essay. Students who demonstrate mastery of content will be recommended for basic level placement. Placement is dependent on multidisciplinary team recommendation. This course fulfills the English requirement.

ENGLISH 4

Sr.

1 year 1 credit

English 4 is designed to meet the needs of students requiring the acquisition of basic skills in reading, writing, listening, vocabulary, and communication. The literature and composition activities mirror those provided in the basic level courses. Writing activities include writing the various sentence types, writing the different paragraph types, and writing the literary and personal essay. Students who demonstrate mastery of content will be recommended for basic level placement. Placement is dependent on multidisciplinary team recommendation. This course fulfills the English requirement.

READING

Fr., So., Jr., Sr.

1 year 1 credit

Students receive intensive individualized, direct instruction in reading. This course helps students who have not been successful in developing decoding structural analysis and/or comprehension skills or those who wish to enrich their reading skills.

MATH 1

Fr

1 year 1 credit

This course is designed to meet the specific needs of students in the area of mathematics. Topics covered include basic mathematic operations, review of fractions and decimals, and application of math concepts to real world situations. Students are also introduced to basic algebra concepts such as using variables, simplifying algebraic expressions, and solving one-step and multiple-step equations.

MATH 2

So.

1 year 1 credit

This course is designed to meet the specific needs of students in the area of algebra. Topics covered include one-step and multiple-step equations, functions, systems of equations, graphing, slope, ratios, proportions, probability, and an introduction to basic geometry concepts. Students will apply learned concepts to real world situations. *Pre-requisite: Math 1*

MATH 3

Jr.

1 year 1 credit

This course is designed to meet the specific needs of students in the area of geometry. Students will discover, learn, and apply geometry. Application of algebra concepts to geometry will be explored. Topics will include: reasoning, coordinate graphing, angles, angle measurement, parallels, polygons, area, surface area, volume, basic trigonometry, and circle relationships.

MATH 4

Sr.

1 year 1 credit

This course is designed for students interested in an elective credit in math. Topics covered are a review of Pre-Algebra, Algebra, and Geometry in addition to the practical application of math concepts. This course is often offered individually with computer directed instruction.

Credit: 1

SCIENCE

Fr., So., Jr., Sr.

1 year 1 credit

This course closely mirrors the Freshman Science Basic curriculum but is designed for those students who need more preparation in lab write-ups and scientific inquiry. The major ideas of science are developed through a series of related laboratory investigations, each allowing the student to discover one concept at a time. The investigations are brief, requiring two to five class periods to complete. Most of the student's time is spent in a lab setting with the remainder of the time spent in discussing and summing up class data.

BIOLOGY

So., Jr., Sr.

1 year 1 credit

Students explore the living world using the scientific method. Students work individually and cooperatively on hands-on laboratory experiments and activities. Experiments and activities include observation, demonstration, dissection, problem-solving, role-playing and class presentations.

WORLD GEOGRAPHY

Fr., So., Jr., Sr.

1 year 1 credit

Physical and human geography will be studied incorporating the themes of location, place, region, human-environment interaction and movement. Emphasis will be placed on reading, writing and critical thinking skills utilizing a variety of reading strategies. In addition, interpreting maps, photographs, graphs, charts and diagrams along with current events articles will help prepare students to make informed decisions about the world around them.

U.S. HISTORY

Jr.

1 year 1 credit

This course is designed to reinforce and increase the student's basic knowledge of the history of the United States, governmental structure and civic responsibilities. It also covers the Constitution test requirements necessary for graduation. This course is aligned with English 3 SE wherein selected books and short stories mirror the time periods covered in U.S. History. The course is designed to help students who need support in learning styles, study skills, and reading development.

REQUIRED COURSES**HEALTH**

Fr., So., Jr., Sr.

1 sem 1/2 credit

Health Education is an eighteen week course required by the State of Illinois for graduation. This course is incorporated within the Physical Education Curriculum at the freshman level. The units of study are: Emotional Health, Nutrition, Human Sexuality, Alcohol, Tobacco and other Drug use and Disease Control. This course closely mirrors the regular education curriculum.

CONSUMER EDUCATION

Fr., So., Jr., Sr.

1 sem 1/2 credit

Consumer Education is an eighteen week course designed to enable students to be wise consumers and to efficiently manage time, money and human resources. Independent living skills such as checking accounts, taxes, budgeting and insurance are taught. This course satisfies the consumer education graduation requirement.

SPEECH

Fr., So., Jr., Sr.

1 sem 1/2 credit

This course mirrors the regular speech course as it introduces students to the communication arts and is designed to help them develop confidence in public speaking. Since public speaking situations occur in a variety of real-life contexts, the speeches given are designed to duplicate many of those contexts. Students will study the basics of public speaking including topic selection, audience analysis, research, outlining, and speech writing. This course differs from the regular speech course in the length of, and number of speeches presented. (This course fulfills the Speech requirement)

ELECTIVE COURSES**STUDY METHODS**

Fr., So., Jr., Sr.

1 sem 1/2 credit

Study Methods is a course for those students needing more support, structure and direction during study time. Students will have the opportunity to gain assistance in homework assignments in addition to help with organizational skills. Time-management, listening and reading, outlining, note taking, and test-taking skills will be taught as part of the study methods curriculum.

KEYBOARDING AND TECHNOLOGY ESSENTIALS

1 sem 1/2 credit

Students learn basic keyboarding techniques for both computer and word processing equipment. They apply their skills to keyboarding speed and accuracy: the formatting of letters, documented papers, and reports. Students learn the most prevalent word processing program used in today's business world. This course differs from regular keyboarding because the pace of learning is adjusted to accommodate students with fine motor difficulties, processing weaknesses, lack of familiarity with the English language, or slow learning rates. The student will also learn several standard applications used frequently in business including PowerPoint, Excel, and Microsoft Word. Email, iMovie and several other applications will also be explored. (Fr., So., Jr., Sr.)

INTRO TO ART

Fr., So., Jr., Sr.

1 sem 1/2 credit

This introductory course is open to those students that need more support. Students complete projects in some of the following art forms: drawing, painting, two and three-dimensional design, graphic design, printmaking, sculpture, photography and film. This course meets the Fine Arts requirement.

ART 2

Fr., So., Jr., Sr.

1 sem 1/2 credit

This course is designed as an analysis of film. Students will view and study films from various genres including the western, the thriller, the musical, and the epic. Students will view and analyze several of Hollywood's finest classics, with an emphasis on the period of 1930-2000. Written work will emphasize the development of critical interpretive skills, although the titles shown and the topics selected for student writing may vary according to the instructor. Students with a particular interest in film theory and history will find this course very valuable.

GUIDED INSTRUCTIONAL PROGRAM

The Guided Instructional Program facilitates all the academic courses in addition to providing life-skill, vocational, and community based training. The focus of the program should be balanced between academic skills and daily living and working skills. When appropriate, students may access mainstream electives. Course fees and a community fee apply.

TRANSITION CONDO PROGRAM

This program was developed to address the needs of our "Guided" 19 – 21 year old student population. Independent living, work, and community access are the priorities of this program. The main focus of the Transition Condo program is helping to facilitate our students "transition" to adulthood. Course fees and a community fee apply.

S P E E C H A R T S

SPEECH

Fr., So., Jr.

1/2 year 1/2 credit

(This course fulfills the Speech requirement.)

This course introduces students to the communication arts and is designed to help them develop confidence in public speaking. Students study different approaches to speech-making as well as listening, group discussion, oral interpretation, and persuasion. Library and research skills are also taught. Preparation and presentation of all speeches is required of all students in order to successfully complete the course. Students are strongly encouraged to take this course as freshmen or sophomores.

FORENSICS

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Discussion with the instructor is advised.

This performance based course helps students develop poise in speaking before an audience. Students learn techniques to perform short stories, poetry, news, plays, and speeches and practice each different style following the rules and techniques of competitive speech team activities. Most performances require some memorization.

ACTING AND DIRECTING 1

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

This course allows students to take part in learning to develop their performing abilities and a greater understanding and appreciation of drama. Students will study units in Theatre History, Improvisation, Pantomime, Acting and Directing Principles and Techniques, Play Analysis, Presenting Acting and Directing Scenes, Support Areas of the Theatre. Class presents a play for public performance. Students will purchase a student make-up kit.

ACTING AND DIRECTING 2

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: Acting and Directing 1

This course gives students the opportunity to develop to a greater degree their performing abilities and their appreciation and understanding of theatre. The students study Advanced Acting Principles, Styles of Acting, Advanced Directing Principles, Costuming and Make Up, Lighting Principles for Mood and Atmosphere, Play Criticism and Evaluation, and Presentation and Evaluation of Advanced Acting and Directing Scenes. Class presents a play for public performance.

RADIO AND TELEVISION PRODUCTION

Fr., So., Jr., Sr.

1/2 year 1/2 credit

Prerequisite: None

This course provides students with the opportunity to develop their understanding and appreciation of the impact radio and television media have in today's world. After looking at the history and development of radio and television, students produce a weekly podcast and write, tape and edit their own videotape presentations of various lengths on a variety of subjects.

SPEECH WITH ADVANCED TECHNOLOGIES So., Jr., Sr.

1 year 1 credit

Prerequisite: None, however, Keyboarding is recommended.

Are you ready to enter the job market in today's information age? Companies are seeking graduates who are not only computer literate but can also communicate effectively in a business environment. This course is offered as a practical alternative to the Introduction to Speech course. SWAT (speech with advanced technologies) combines the oral communication skills learned in a Speech course with the latest technologies found in the business world. These technologies include presentation software (PowerPoint), Internet access, library and audiovisual technologies and more. This course fulfills both the Speech Arts AND Applied Arts graduation requirements.