

ART

01011/01012 **Art 1**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

To develop attitudes and skills towards artistic and human values based on the concepts of visual communication and expressions, students will experience visual elements and design principles through a sequential arrangement of problems utilizing selected techniques and art media. Course work includes drawing, color theory, painting, printmaking, two-dimensional design, and three-dimensional design. It also provides a context in which the student may see the relationship of his work to the continuum of historical to contemporary art. Students will also study how visual arts interrelate with the other arts. This course satisfies the district's fine arts graduation requirement.

01110 **Jewelry 1**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: Division Head Approval

Combining the design principles learned in Art 1 with an introduction to the basic construction techniques and processes of jewelry making, students in Jewelry 1 will explore traditional and contemporary approaches to jewelry making.

01120 **Jewelry 2**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 01110

Designed to allow students to further explore the possibilities of jewelry making, Jewelry 2 exposes students to more advanced processes and techniques while encouraging them to become more independent in their choice of material and product.

01130 **Jewelry 3**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 01120

This course emphasizes jewelry design and the introduction of various technical strategies necessary to carry out its construction.

01140 **Sculpture 1**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: Division Head Approval

This first level exploration of three-dimensional form is a means of expression and communication to reinforce basic art knowledge. Through the introduction and exploration of new media, skills, and techniques the student has the opportunity to develop and document a personal statement. Exposure to traditional and contemporary sculpture techniques will give context to the visual statement.

01150 **Sculpture 2**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 01140

The second level sculpture course provides an opportunity for the student to focus on a particular technique or material in the exploration of a personal statement. Additional methods and materials may be introduced at the discretion of the teacher.

01160 **Sculpture 3**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 01150

The third level sculpture course expects an in-depth exploration of the student's ability to individualize and focus on the acceptance of sculptural entity as a manifestation of self, concept, media, and technique.

ART

01220	Photography 1	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: None			
Employing design principles and visual elements, students will explore personal imagery and digital imaging. Camera, film, and darkroom processes and procedures will be the foundation of this class. This course satisfies the district's fine arts graduation requirement.			
01230	Photography 2	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: 01220			
This course continues exploration of personal imagery while incorporating advanced darkroom techniques, alternative darkroom methods, and computer processes into student's photography.			
01240	Photography 3	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: 01230			
This studio-based course is designed for the motivated student who is interested in further exploration of the art of photography. The class offers students the opportunity to advance their technical skills in traditional photography and digital imaging. Students will continue to develop a personal direction in their work.			
01250	Art Survey	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
This course offers students a hands-on art experience. In this abbreviated version of Art 1, students will receive instruction in drawing, painting, and three-dimensional art. Students will also study how visual art interrelates with the other arts. This course meetings the district's fine arts graduation requirement.			
01260	Graphic Arts Design	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
This course combines study in visual art and graphic arts. The visual art component of the class explores two and three-dimensional design through a wide range of media including drawing, painting, jewelry, sculpture, and computer imaging. The graphic arts component will address technologies employed in the graphic arts field, ranging from layout to production printing. This course is offered in conjunction with Graphic Arts Design (06440). This course satisfies the district's fine arts graduation requirement.			
01270	Art Portfolio 1	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: Consent of Instructor			
This course is designed for advanced art students (mainly at the senior level) who wish to compile a portfolio of selected representational pieces of their work to fulfill college or technical art school entry requirements. Students will benefit from instructor assistance and expertise in developing a visual presentation of their artistic potential and range of capabilities.			
01280	Art Portfolio 2	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: Consent of Instructor			
This course is intended for advanced art students (mainly at the senior level) who wish to compile a portfolio of selected representational pieces of their work to fulfill college or technical art school entry requirements. Students will benefit from instructor assistance and expertise in developing a visual presentation of their artistic potential and range of capabilities.			

ART

01291/01292 **AP Studio Art (2-D, 3-D, Drawing)** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: Consent of Instructor

This studio-based class is designed for the highly motivated and talented student who is interested in the practical art experience. The class offers high school students an opportunity to take a challenging college level course which focuses on more sophisticated concepts and techniques. Students have the option of submitting one of three different portfolios, Drawing, 2-D, or 3-D Design.

01350 **Three-Dimensional Art 3** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 01340

This course centers on contemporary issues in design. Students are encouraged to search for personal approaches and solutions to creating a visual statement and explore new techniques in media such as jewelry, sculpture, and ceramics.

01360 **Two-Dimensional Art 1** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 01011/01012

This course centers on contemporary issues in design. It encourages the student to search for personal approaches and solutions to creating a visual statement and explore new approaches in drawing, painting, printmaking, and mixed media.

01370 **Two-Dimensional Art 2** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 01360

This second level two-dimensional art course focuses on contemporary artists and issues in contemporary art and art history. Students continue to search for personal approaches and solutions to creating a visual statement at an advanced conceptual level. Media used may include drawing, painting, printmaking, and mixed media processes.

01441/01442 **AP Art History** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: Instructor/Division Head Approval

The advanced placement offering in Art History is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history; an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. It also provides an opportunity for schools to strengthen an area neglected in most curricula. In the course, students examine and critically analyze major forms of artistic expression from the past and present from a variety of cultures. While visual analysis is the fundamental tool of the art historian, art history also emphasizes understanding works in context, considering issues as patronage, gender, and the functions and effects of works of art.

01450 **Art Imaging 1** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: Placement

This is a beginning art course that teaches drawing, color theory, and the elements and principles of design. Students will use these tools in creative and inventive ways to communicate their visual ideas. The students use technology such as digital cameras, slide scanners, and flat bed scanners to digitize their original photographs, drawings, and designs. They also use Photoshop and Illustrator to manipulate and enhance their digital images. Students in this course create personal and original works of art. This course satisfies the district's fine arts graduation requirement.

ART

01460

Art Imaging 2

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 01450

This is the second semester of a computer course which teaches students to create, analyze, and communicate visual ideas. The first course teaches the basics of art through the use of computers. This course centers on more complex and personal approaches to imaging. The students will learn advanced techniques in Adobe Photoshop and Adobe Illustrator. The emphasis is on the personal development of ideas and creative approaches to image making.

DRIVERS EDUCATION

09650 **Driver Education Classroom** Rec Grade Lvl: 9-12 Credit/Sem: 0.25

Prerequisite: Selection Based on Birth Date and IL Eligibility Requirement

The primary purpose of the program is to create knowledgeable traffic citizens through a multiphased, integrated system that develops competent and responsible drivers.

09660 **Driver Education Lab** Rec Grade Lvl: 9-12 Credit/Sem: 0

Prerequisite: Selection Based on Birth Date and IL Eligibility Requirement

This course provides "behind the wheel experience" for students enrolled in the driver education program.

ENGLISH LANGUAGE ARTS

01991/01992 **Preparatory Reading, Writing & Oral Communication** Rec Grade Lvl: 9 Credit/Sem: 0.5

Prerequisite: Placement

This course integrates the language arts skills of reading, writing, literature, research, speaking, and listening. It is designed for students who require additional support with their reading, writing, and communication skills. Students learn to apply reading strategies to works of fiction and nonfiction and strengthen their ability to develop and support a main idea through writing instruction. Students will explore communication theory, public speaking, and small and large group discussion skills. The performance component will allow students to demonstrate their understanding of course content and their ability to communicate effectively.

02101/02102 **Preparatory Written & Oral Communication** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

This course offers a basic introduction to effective written and oral communication skills and is designed for students needing additional support. Course work focuses on style, structure, and language appropriate for various purposes and audiences. Students will be actively involved in research methodology, writing, and speaking. As part of the course work, the student will review basic grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia products and presentations.

02140 **Preparatory Language Arts & Oral Communication 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

This course is intended for students who need intensive work in language arts including increased reading decoding and comprehension skills at the elementary level. Students will also practice beginning writing skills such as writing complete sentences, letters and short reports, spelling, and grammar. The combination of this course and Preparatory Language Arts and Oral Communication 2 (02150) meets one semester of the English graduation requirement for grade 9. Upon successful completion of this course, it is recommended that students take Preparatory Language Arts and Oral Communication 2 (02150).

02150 **Preparatory Language Arts & Oral Communication 2** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

This course is intended for students who need intensive work in language arts including increased reading decoding and comprehension skills at the elementary level. Students will also practice beginning writing skills such as writing complete sentences, letters and short reports, spelling and grammar. The combination of this course and the Preparatory Language Arts and Oral Communication 1 (02140) meets one semester of the English graduation requirement for grade 9. Upon successful completion of this course, it is recommended that students take Preparatory Language Arts 3 (02160).

02160 **Preparatory Language Arts 3** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 02140 and 02150 or Equivalent, Placement

This course is intended for students who need additional work in the English language arts. It is designed to increase word analysis skills, fluency and comprehension skills as well as improving writing skills. Students will learn to write using a variety of sentence structures and write standard, well organized paragraphs. The combination of this course and Preparatory Language Arts 4 (02170) meets one semester of the English graduation requirement for grade 9. Upon successful completion of this course, it is recommended that students take Preparatory Language Arts 4 (217).

02170 **Preparatory Language Arts 4** Rec Grade Lvl: 10 Credit/Sem: 0.5

Prerequisite: 02140 and 02150 or Equivalent, Placement

This course is intended for students who need additional work in the English language arts. It is designed to increase word analysis skills, fluency and comprehension skills as well as improving writing skills. Students will learn to write using a variety of sentence structures and write standard, well organized paragraphs. The combination of this course and Preparatory Language Arts 3 (02160) meets one semester of the English graduation requirement for grade 9.

ENGLISH LANGUAGE ARTS

02191/02192 **Preparatory Reading**

Rec Grade Lvl: 9

Credit/Sem: 0.5

Prerequisite: None

This course is designed for incoming freshman that need additional work in reading. It will focus on standards and remediation, improving students' reading comprehension using a variety of reading materials, both fiction and nonfiction. This class will assist students with study skills, test taking strategies, and note taking. This course must be taken in conjunction with Preparatory Written and Oral Communication (02101/02102).

02540 **Oral Communication**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: Placement

This course will provide training in the fundamental skills of oral communication. Students will be actively involved in researching, writing, and speaking and will study and participate in a variety of communication situations including interpersonal, group, and public speaking experiences. Class work will focus on appropriate organization, effective use of language, clear development of ideas, and effective delivery. This course satisfies the speech requirement.

02561/02562 **Written & Oral Communication**

Rec Grade Lvl: 9

Credit/Sem: 0.5

Prerequisite: Placement

This course introduces the fundamental skills of effective written and oral communication including style, structure, and language appropriate for various purposes and audiences. Students will be actively involved in research methodology, writing, and speaking. As part of the course work, students will review basic grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia products and presentations.

03010 **Debate**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Placement

This course is for students interested in the practical application of the art of public debate. Students learn and apply debate skills and study the techniques of effective argumentation. The emphasis is on critical thinking, logic, organization of ideas, case writing, scholarly research, use of evidence, refutation, and listening. This course is accepted as oral communication credit at PHS only. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.

03060 **Acting 1**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

This course is for students who desire initial training in acting. The major focus is on improvisation. The course stresses activities which increase students' ability to concentrate, accentuate their sensory awareness, establish a knowledge of their relationship to the world around them, strengthen their powers of observation, and underscore their cooperation with others in solving acting problems. Students must perform as part of this course work. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation and satisfies the fine arts requirement.

03070 **Acting 2**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 03060 or Consent of the Division Head

Focusing on script analysis, characterization, and performance, this course is a continuation of Acting 1. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.

ENGLISH LANGUAGE ARTS

03090	Film Study	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: None			
In this course for those interested in the critical viewing of films, students learn the audio and visual language of movies and appreciate the process of film production. The course introduces the history of movies, various types of films, and criticism of film as an art form and as a valid medium of communication. Students write evaluations of the films they view. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03110	Journalistic Writing 1	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
Students will learn to interview people in order to gather and evaluate information. They will use this information to write news, sports, editorial, in-depth, and feature stories. They will also learn to write headlines and captions. Part of the course will focus on editing and proofreading stories for publication in the school newspaper or yearbook. Students will learn about the historical perspective of the American press and the legal and social responsibilities that come with the operations of school publications. Students should also enroll in Journalistic Writing 2 (03120).			
03120	Journalistic Writing 2	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 03110 or Consent of the Division Head			
This continuation of Journalistic Writing 1 is for students interested in working on the school newspaper. Students will focus on writing advanced journalistic stories. They will design pages on desktop publishing software. In addition, course work will cover headline writing and photography skills. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03130	Journalistic Writing 3	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: 03120 or Consent of the Division Head			
This performance course continues student involvement in journalism through both theory and practice. Students produce the school newspaper, design and sell advertising, and study advanced journalism. Students should expect some after school work on the school newspaper. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03140	Journalistic Writing 4	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: 03130 or Consent of the Division Head			
This performance course continues student involvement in journalism through both theory and practice. Students produce the school newspaper, design and sell advertising, and study advanced journalism. Students should expect some after school work on the school newspaper. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03150	Yearbook 1	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
This laboratory course teaches skills required to work in the publishing field. During this semester students learn principles of information gathering, copy writing, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. This class emphasizes accurate and effective communication. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			

ENGLISH LANGUAGE ARTS

03160	Yearbook 2	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 03150 or Consent of the Division Head			
Students continue to apply principles of publishing to in-depth writing and related projects. Class periods consist of both teaching and work sessions designed to perfect skills students will use in producing the school yearbook. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03170	Yearbook 3	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: 03160 or Consent of the Division Head			
This course serves as learning laboratories for the publication of the school yearbook. During the year, the students will become familiar with the process of planning, layout, copywriting, editing, photography, and production of a school yearbook. Class periods involve training lectures and actual working sessions. Some after school hours may be required to complete assignments. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03180	Yearbook 4	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: 03170 or Consent of the Division Head			
This course serves as learning laboratories for the publication of the school yearbook. During the year, the students will become familiar with the process of planning, layout, copywriting, editing, photography, and production of a school yearbook. Class periods involve training lectures and actual working sessions. Some after school hours may be required to complete assignments. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03240	Journalistic Writing 5	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: 03140 or Consent of the Division Head			
This course continues involvement in journalism both through theory and practice. Students produce the school newspaper; they are required to write stories, design pages and complete all phases of production on the school newspaper. Students should expect to work after school on deadline days. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03250	Journalistic Writing 6	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: 03240 or Consent of the Division Head			
This course continues involvement in journalism both through theory and practice. Students produce the school newspaper; they are required to write stories, design pages and complete all phases of production on the school newspaper. Students should expect to work after school on deadline days. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			
03260	Journalistic Writing 7	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: 03250 or Consent of the Division Head			
This course continues involvement in journalism through theory and practice. Students produce the school newspaper and are required to write stories, design pages and complete all phases of production. Students should expect to work after school on deadline days. Credit earned in this course does not apply to the number of credits required in English. However, the credit does apply toward graduation.			

ENGLISH LANGUAGE ARTS

03851/03852 **Honors World Literature & Composition**

Rec Grade Lvl: 10

Credit/Sem: 0.5

Prerequisite: Division Head Approval, Placement

This course offers qualified students an accelerated and enhanced examination of world literature through a study of its traditions, techniques, and genres. The course emphasizes extensive instruction in the writing process in which students produce numerous essays dealing with literature and other topics. Vocabulary development builds on the program started at the freshman level. The course also incorporates a study of humanities as a means of investigating world literature. This course fulfills the English requirement for grade 10.

03910 **Creative Writing**

Rec Grade Lvl: 11-12 or Consent

Credit/Sem: 0.5

Prerequisite: None

Designed for students who have demonstrated mastery of writing skills, this course provides experience in writing various literary forms which may include poetry, short story, drama, and nonfiction. It includes opportunities to write for publication. Students should be receptive to experimenting with a variety of techniques and subjects. They should also be willing to share their writing.

03920 **Expository Writing 1**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: None

This course stresses the writing of paragraphs and essays, with students building composition skills through work with vocabulary, grammar and mechanics, reasoning strategies, diction, and sentence variety. Course work requires library research and an extensive paper.

03930 **Expository Writing 2**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: None

This course emphasizes the refinement of select types of exposition. Students learn to develop their ideas completely, to think logically, and to improve their writing style through the writing process. This course is designed to help students build confidence and take pride in their writing.

03971/03972 **AP English Language & Composition**

Rec Grade Lvl: 11- 12

Credit/Sem: 0.5

Prerequisite: Division Head Approval, Placement

In this course, students will learn to read complex American texts from a variety of historical periods and disciplines. Students will study how accomplished authors use the resources of language to achieve their purposes, and then apply this knowledge to their own writing, considering the interactions between a writer's subject, purpose, and audience expectations. Class activities may include text analysis, formal and informal writing, imitation exercises, journal keeping, collaborative writing, and in-class responses to help students become aware of themselves as writers. Students will be prepared to take the Advanced Placement exam in English Language and Composition offered in early May. For additional information, please visit the student and parent section of the College Board website.

03991/03992 **Honors Written & Oral Communication**

Rec Grade Lvl: 9

Credit/Sem: 0.5

Prerequisite: Division Head Approval, Placement

This course is an accelerated and enhanced approach to effective written and oral communication. Students will focus on style, structure, and language appropriate for various purposes and audiences and will be actively involved in research methodology, writing, and speaking at advanced levels. As part of the course work, the student will review basic grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia products and presentations.

ENGLISH LANGUAGE ARTS

04051/04052 **AP English Literature & Composition** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: None

This course prepares the upper-level student for the Advanced Placement test in Literature and Composition, a test for which many colleges grant college credit. The course focuses on intense analysis and discussion of selected literary classics. Writing assignments are frequent, emphasizing critical and analytical compositions.

08001/08002 **Introduction to ESL 1 Writing** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None - To be Taken in Conjunction With 08011/08012

This course emphasizes literacy skills for the non-native speaker. This course meets one of the elective graduation requirements.

08011/08012 **Introduction to ESL 1 Reading** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None - To be Taken in Conjunction with 08001/08002

This course emphasizes literacy skills for the non-native speaker. This course meets one of the elective graduation requirements.

08021/08022 **ESL 1 Writing** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

Students who are functioning at the beginning level of English proficiency must enroll in ESL 1 language classes. Activities in listening, speaking, reading, and writing introduce students to American culture and basic English writing skills. This course meets one of the English graduation requirements. (To be taken in conjunction with ESL 1 Reading.)

08031/08032 **ESL 1 Reading** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

Students who are functioning at the beginning level of English proficiency must enroll in ESL 1 language classes. Activities in listening, speaking, reading, and writing introduce students to American culture and basic English reading skills. This course meets one of the English graduation requirements. (To be taken in conjunction with ESL 1 Writing.)

08041/08042 **ESL 2 Writing** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

ESL 2 students who are functioning at the developing level of English proficiency must enroll in ESL 2 language classes. Students study and practice the writing skills of English including sentence formation, paragraph development, vocabulary expansion, and the writing process. This course meets one of the English graduation requirements. (To be taken in conjunction with ESL 2 Reading)

08051/08052 **ESL 2 Reading** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

Students functioning at the developing level of English proficiency must to enroll in ESL 2 language classes. Through various reading activities students strengthen basic reading skills and strategies in English, improve comprehension, and increase vocabulary. This course meets one of the English graduation requirements. (To be taken in conjunction with ESL 2 Writing.)

ENGLISH LANGUAGE ARTS

08061/08062 **ESL 3 Writing**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

Students who are functioning at an expanding level of English proficiency are required to enroll in ESL 3 language classes. Students study and practice elements of written language, including structural variety of sentences and paragraphs leading to multi-paragraph essays with concentration on the various forms and styles of writing. This course meets one of the English graduation requirements. (To be taken in conjunction with ESL 3 Reading.)

08071/08072 **ESL 3 Reading**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

Students who are functioning at the expanding level of English proficiency are required to enroll in ESL 3 language classes. Students refine and broaden reading skills to meet the demands of the mainstream English curriculum. Through various reading activities students develop critical reading skills, advanced vocabulary, improved comprehension, and enhanced reading strategies. This course meets one of the English graduation requirements. (To be taken in conjunction with ESL 3 Writing.)

08081/08082 **ESL Tutorial**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

This course provides support to achievement of ESL course outcomes and meets one of the elective graduation requirements.

FOREIGN LANGUAGE

07001/07002 **French 1**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

This course provides an introduction to the French language and culture with an emphasis on understanding and speaking elementary French phrases used in everyday conversation. Students first learn listening comprehension, pronunciation, and speaking skills. Reading and writing are learned through the study of previously introduced materials.

07021/07022 **French 2**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 07001/07002 or Equivalent

This course exposes students to more complex materials in grammar and the basic skills. Students broaden their skills in listening, comprehension, speaking, reading and writing. Listening activities are further developed with the use of video presentations and laboratory activities. In addition, students refine their cultural perception through exposure to French films, French contemporary songs, and French magazine articles.

07051/07052 **French 3**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 07021/07022

This course continues the work of French 2 although its content corresponds to a higher level of complexity or expression. The major focus is to expand the students' knowledge of basic grammatical concepts essential to the mastery of the French language. This class places additional emphasis on vocabulary development and cross-cultural comparisons through supplementary readings, film units, and laboratory activities.

07071/07072 **French 4**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 07051/07052

This course focuses on a series of mini-units of French practical vocabulary, advanced grammatical concepts, and cultural readings including French history, French geography, French arts, French technology, and aspects of daily life in France (such as cuisine, the media and holiday celebrations). This course, usually conducted entirely in French, develops competency in oral communication and improves writing skills using French literature and poetry.

07101/7102 **AP French Language**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 07051/07052 or 07071/07072 With Consent of Instructor

Students in this course follow an intensive regimen of speaking, reading comprehension, listening comprehension, and writing practice. They learn to write well-planned compositions on a variety of subjects and participate regularly in discussions on various topics. This course will prepare students to take the College Board Advanced Placement exam as well as college entrance examinations.

07261/07262 **Italian 5**

Rec Grade Lvl: 12

Credit/Sem: 0.5

Prerequisite: 07481/07482

Students learn to master and apply advanced language concepts in the skills of reading, writing, speaking, and listening. This course will prepare students to take the College Board Advanced Placement Exam as well as college entrance examinations.

07291/07292 **AP Japanese Language & Culture**

Rec Grade Lvl: 12

Credit/Sem: 0.5

Prerequisite: 07531/07532 or Consent of Instructor

This course will prepare students for the AP Japanese test given each May. Students will develop listening, speaking, reading, and writing skills in Japanese commensurate with typical college students who have received 300 hours of college instruction. Students are expected to attain proficiencies in the ACTFL Intermediate-Low to Intermediate-Mid range.

FOREIGN LANGUAGE

07331/07332 **Spanish 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This course is an introduction to the Spanish language and culture with an emphasis on understanding and speaking the language. Students will develop listening, speaking, reading, and writing skills and acquire topical vocabulary and knowledge of elementary grammar. This class also provides insight into Hispanic culture (geography, cross-cultural differences, and current events).

07341/07342 **Spanish 2** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 07331/07332 or Equivalent

This course will expand the listening, speaking, reading, and writing skills that were introduced in Spanish 1. Writing, reading for comprehension, vocabulary acquisition, cultural awareness, career awareness, and learning and study skills are given increased emphasis.

07351/07352 **Spanish for Native Speakers 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This course is especially designed to develop the student's proficiency in reading and writing. The student will be exposed to a thorough review of grammatical structures. His/her vocabulary will be broadened through intensive reading and considerable attention will be given to creative writing, correct oral presentations, and language lab activities.

07381/07382 **Spanish 3** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 07351/07352 or 07361/07362 or Teacher Recommendation

This course is for those students who wish to expand their knowledge of grammatical concepts essential to the mastery of the Spanish language, and who wish to reinforce the skills introduced in Spanish 1 and 2. Emphasis is placed on developing composition skills and speaking the language in non-structured situations, including language lab activities. Literature, the arts, and history are introduced.

07401/07402 **Spanish 4** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 07381/07382

This course provides a study of a variety of literary periods and styles of Hispanic literature with an emphasis on oral communication. Novels, plays, poetry, and contemporary short stories are studied, giving the student more advanced insight into Hispanic civilization and literature. A systematic grammar review is provided at this level. Continued emphasis is placed on developing composition skills. Opportunities may be provided for students to pursue their own interests through special projects, including language lab activities.

07431/07432 **AP Spanish Language** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 07381/07382 or 07401/07402 With Consent of Instructor

Students in this course are submitted to an intensive regimen of practice of speaking, reading comprehension, listening comprehension, and writing. Students will write well-planned compositions on a variety of subjects. Students participate regularly in discussions of current events and ideas, as well as continue to review vocabulary used in everyday situations and study complex grammatical structures. This course will prepare students to take the College Board Advanced Placement Examination as well as college entrance examinations.

FOREIGN LANGUAGE

07451/07452 **Italian 1**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

This course presents an introduction to the Italian language and culture. Listening, speaking, reading, and writing skills are developed with an emphasis on understanding and speaking the language. Students will master the basic structures of everyday conversation and writing. Every effort is made to provide students with opportunities for self-expression in concrete situations. To introduce students to contemporary, non-touristic Italian life and culture, the themes of the various supplementary activities such as dialogue, readings, geography, and history, help convey to students what life is like in Italy today.

07461/07462 **Italian 2**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 07451/07452

This course expands the skills introduced in Italian 1. Reading and writing activities reinforce the listening and speaking activities as well as develop the ability to read and write for educational and recreational purposes. Students also advance their study of Italian culture.

07471/07472 **Italian 3**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 07461/07462

This course is designed for students who wish to expand their knowledge of the language and reinforce the skills introduced in Italian 1 and 2 with added emphasis on oral communication and speaking the language. Students continue to develop composition and creative writing skills. They also give oral presentations in Italian about short stories, fairy tales, or cultural subjects.

07481/07482 **Italian 4**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 07471/07472

This course includes having students attain a high degree of competency in reading, writing, listening and speaking the language. Students explore a variety of literary periods and writers of the Italian literature. Course work includes the study of novels, plays, and contemporary short stories with continued emphasis on developing speaking and composition skills. Special projects are included.

07501/07502 **Japanese 1**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

This course provides an introduction to the Japanese language and culture with an emphasis on understanding and speaking elementary phrases and sentences used in everyday conversation. The first semester introduces Japanese phonetic script. Oral activities help students learn to understand and speak Japanese, while mnemonics and computer programs help students remember the written characters. Students gain insight into Japanese culture and geography through class discussions, readings, and audio-visual materials.

07511/07512 **Japanese 2**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Successful Completion of 07501/07502 or Equivalent Proficiency

This course provides a further introduction to the Japanese language and culture with an emphasis on understanding and speaking elementary Japanese phrases and sentences used in everyday conversation. Students develop not only listening comprehension, pronunciation, and speaking skills, but also reading and writing skills in Japanese script. Students continue to gain insight into Japanese culture and geography through class discussions, the text, and audio-visual materials.

FOREIGN LANGUAGE

07521/07522 **Japanese 3**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Successful Completion of 07511/07512 or Equivalent Proficiency

This course provides students with the opportunity to continue their studies of the Japanese language and culture. Students receive more practice in conversational Japanese and explore a large number of Kanji (based written characters). Students write short letters and paragraphs in Japanese and further develop their reading skills and knowledge of Japanese syntax. Students advance their insight into Japanese culture through class discussions, readings, and audio-visual materials.

07531/07532 **Japanese 4**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 07521/07522 or Equivalent Proficiency

This course builds on the base in Japanese language and culture developed in Japanese 1-3. Students learn more advanced grammatical topics and more difficult Kanji while continuing to practice listening, speaking, reading, and writing in the language. Students continue to gain insight into Japanese culture through class discussions, readings in Japanese and English, and audio-visual materials.

MATHEMATICS

04460 **Preparatory Mathematics 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

Students in this class will study the use of whole numbers, place value and number sentences, reading numbers, spelling and writing numbers, and the four basic operations with whole numbers. They will also practice the use of measurement including time, clocks, calendars, and rulers as well as the use of currency. Students will begin to apply statistical methods of organizing data and making predictions. Students who successfully complete this course should take Preparatory Mathematics 2 (04470).

04470 **Preparatory Mathematics 2** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

In this class students focus on the use of whole numbers, place value and number sentences, and the four basic operations with fractions and decimals. They will also practice measurement including time, clocks, calendar, and rulers as well as the use of currency. Students will begin to apply statistical methods of organizing data and making predictions. Students who successfully complete this course should take Preparatory Mathematics 3 (04480).

04500 **Preparatory Mathematics 50** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

Students will advance their study of graphing including plotting points and apply their knowledge through problem solving. This course does not meet math graduation requirements.

04510 **Preparatory Mathematics 51** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04500, Placement

Students will advance their study of whole numbers, decimals, fraction, and percents and begin their study of variables and solving one-step equations. This course does not meet math graduation requirements.

04590 **Advanced Mathematics** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04770

This course is an extension of Functions 76 and Trigonometry 77. It develops graphical, numerical, and algebraic modeling of functions (polynomial, rational, exponential, logistic, logarithmic, and trigonometric) with an emphasis on problem solving, conceptual understanding, and facility with technology.

04600 **Algebra 60** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

This course provides instruction in order of operations, solving equations, and data analysis. Completion of Algebra 60, 61, 62, and 63 is equivalent to the college preparatory courses Algebra 70 and 71.

04610 **Algebra 61** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04600, Placement

Instruction in Algebra 61 includes the technique for solving equations and inequalities and addresses graphing and probability. Completion of Algebra 60, 61, 62, and 63 is equivalent to the college preparatory courses Algebra 70 and 71.

MATHEMATICS

04620 **Algebra 62** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04610, Placement

Algebra 62 focuses on real number properties, solutions to equations and inequalities, graphing, and polynomials. Completion of Algebra 60, 61, 62, and 63 is equivalent to the college preparatory courses Algebra 70 and 71.

04630 **Algebra 63** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04620

Topics in this course include applications of graphing, systems of equations, solving quadratic equations, and work with radicals. Completion of Algebra 60, 61, 62, and 63 is equivalent to the college preparatory courses Algebra 70 and 71.

04640 **Geometry 64** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04630 or 04710

The content of this course includes the study of the properties of two and three dimensional figures of Euclidean geometry with minor emphasis on proofs.

04650 **Geometry 65** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04640

This course completes the study of topics in Geometry 64.

04660 **Intermediate Algebra 66** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04650 or 04730

In this course students continue their study of equations, inequalities, polynomials, and systems of equations. They begin their study of polynomial, exponential, and logarithmic functions as well as conic sections.

04670 **Intermediate Algebra 67** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04660

This is a continuation of Intermediate Algebra 66.

04700 **Algebra 70** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04600, 04610, Placement

This course includes the study of properties of the real number system and the development of skills in solving equations and inequalities. This is a college preparatory course.

04710 **Algebra 71** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04700 or Equivalent, Placement

Topics students explore include polynomials, rational expressions, radicals, and quadratic functions. This course completes the study of first year algebra. This is a college preparatory course.

MATHEMATICS

04720	Geometry 72	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04710

Instruction in Geometry 72 and 73 includes the study of the properties of two and three dimensional figures of Euclidean geometry including proof. This is a college preparatory course.

04730	Geometry 73	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04720

This course completes the study of topics in Geometry 72. This is a college preparatory course.

04740	Advanced Algebra 74	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04710 With a Grade of C or Better, or Division Head Approval

Instruction in Advanced Algebra 74 and 75 includes the study of equations, inequalities, and polynomials; systems of linear and quadratic equations; radicals; polynomial, exponential and logarithmic functions; sequences and series; and conic sections. This is a college preparatory course. (In some cases, passing a proficiency test will also be required for placement in this course.)

04750	Advanced Algebra 75	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04740 With a Grade of C or Better, or Division Head Approval

This course completes the study of topics in Advanced Algebra 74. This is a college preparatory course.

04760	Functions 76	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04730 and 04750, Each With a Grade of C or Better, or Division Head Approval

Topics explored in this class include the definition, notation, domain, range, graph, and inverse of a function as well as algebraic operations and compositions. Students will also study linear, parabolic, exponential, logarithmic, polynomial and rational functions. Trigonometry 77 completes this introduction to pre-calculus. An additional college math course may be necessary before the student is ready to take college calculus.

04770	Trigonometry 77	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04760 With a Grade of C or Better, or Division Head Approval

This course explores basic right triangle definitions and their applications to the solution of right triangles. In addition, students will focus on circular function definitions, trigonometry functions and their graphs are studied. Finally, students will learn about formulas, solutions to identities, trigonometric equations, inverse trigonometric functions, the general triangle using the law of sines and cosines, and the application of trigonometry to complex numbers and polar graphing. This is a college preparatory course.

04780	Probability & Statistics 78	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
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Prerequisite: 04750 or Division Head Approval

Probability and Statistics 78 is an introductory level course for students of all disciplines. Students will explore probability topics including permutations, combinations, simple probability, odds, mathematical expectation, and conditional probability through Baye's formula along with statistics topics such as sample spaces, dependent events, hypothesis testing, and the normal distribution. This is a college preparatory course.

MATHEMATICS

04790	Discrete Math 79	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04750 or Division Head Approval			
This course will present a variety of real world applications that are designed to improve creative thinking and problem solving skills. It is designed to appeal to students interested in life science, social science, business, or liberal arts in general as well as mathematics. Topics that students might explore are sets, graphs, trees, counting techniques, probability, relations and functions, difference equations, linear programming, and matrices. This is a college preparatory course.			
04800	Honors Advanced Algebra 80	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: Placement			
Instruction in this course and Honors Advanced Algebra 81 includes a study of sequences and series: permutations, combinations and probability, systems of equations and inequalities, determinants and factoring, and an in-depth study of functions. This course emphasizes problem solving and critical thinking. This is a college preparatory course. This course emphasizes advanced algebra at a high mathematical level.			
04810	Honors Advanced Algebra 81	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04800			
This course completes the study of Honors Advanced Algebra 80. This is a college preparatory course.			
04820	Honors Geometry 82	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04810 With a Grade of C or Better, or Division Head Approval			
This course, along with Honors Geometry 83, provides instruction in the study of the properties of two and three-dimensional figures of Euclidean geometry with an emphasis on deductive proofs. This is a college preparatory course.			
04830	Honors Geometry 83	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04820			
This course completes the instruction of geometry. This is a college preparatory course.			
04840	Honors Pre-Calculus 84	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04810 With a Grade of C or Better, or Division Head Approval			
Instruction in Pre-Calculus 84 and 85 includes an in-depth study of functions, trigonometry, complex numbers, conic sections, and analytic geometry. This is a college preparatory course.			
04850	Honors Pre-Calculus 85	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04840 With a Grade of C or Better, or Division Head Approval			
This course completes the study of topics in Pre-Calculus 84. This is a college preparatory course.			
04861/04862	AP Calculus AB	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: 04850			
Combined with Calculus 87, this course investigates the fundamentals of differential and integral calculus in preparation for the Calculus AB Advanced Placement examination. This is a college level course.			

MATHEMATICS

04881/04882 **AP Statistics** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04750 With a Grade of B or Better, or Division Head Approval

This course will focus on four themes: exploratory analysis, planning of a study, probability, and statistical inference. Students will prepare to take the Advanced Placement Statistics exam. This is a college level course. If students have not completed 04760 and 04770, concurrent enrollment is recommended.

04900 **Accelerated Honors Advanced Algebra 90** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

Instruction in this course and Accelerated Honors Advanced Algebra 91 includes a study of sequences and series, permutations, combinations and probability, systems of equations and inequalities, determinants and factoring, and an in-depth study of functions. This course emphasizes problem solving and critical thinking at the highest mathematical level. This is a college preparatory course.

04910 **Accelerated Honors Advanced Algebra 91** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04900

This course completes the study of Accelerated Honors Advanced Algebra 90. This is a college preparatory course.

04920 **Accelerated Honors Geometry 92** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04910 With a Grade of C or Better

This course along with Honors Geometry 93 provides instruction in the study of the properties of two and three dimensional figures of Euclidean geometry with a major emphasis on deductive proofs. This is a college preparatory course.

04930 **Accelerated Honors Geometry 93** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 04920

This course completes the instruction of geometry and introduces pre-calculus concepts. This is a college preparatory course.

04940 **Accelerated Honors Pre-Calculus 94** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 04930 With a Grade of C or Better

Honors Pre-Calculus 94 and 95 include the study of trigonometric, inverse, linear, quadratic polynomial, and rational function and their graphs. Additional topics of study are complex numbers, conic sections and limits, and an introduction to differential calculus. This is a college preparatory course.

04950 **Accelerated Honors Pre-Calculus 95** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 04940 With a Grade of C or Better, or Division Head Approval

This course completes the study of topics in Honors Pre-Calculus 94. This is a college preparatory course.

04961/04962 **AP Calculus BC** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 04950 With a Grade of B or Better

Combined with Calculus 97, Calculus 96 explores the fundamentals of differential and integral calculus, infinite series, and differential equations in preparation for the Calculus BC Advanced Placement examination. This is a college level course.

MATHEMATICS

04981/04982 **College Calculus 3 & Differential Equations**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 04970

This course continues the study of calculus beyond BC Calculus. Students will study vector functions, multivariable functions, differential multiple integration, and vector calculus with applications to science and engineering. The second semester will be a study of differential equations.

MUSIC

01501/01502 **Beginning Choir**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Placement

For students interested in gaining appreciation for music, this introductory course in choral music emphasizes the fundamentals of vocal production, sight reading, diction, and musical interpretation. Students learn these elements through various study and performance practices. Students will also study how music relates with the other arts. Classes may be divided into soprano/alto and tenor/bass sections. This course satisfies the district's fine arts graduation requirement.

01541/01542 **Treble Choir**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: Placement

Treble Choir is for sophomore, junior, and senior students with voices in the soprano/alto range. Studies of treble vocal literature, both historic and contemporary, are featured with emphasis placed on sight reading, ear training, vocal production, and musical expression. Students will also study how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

01591/01592 **Advanced Mixed Choir**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Placement

Composed primarily of juniors and seniors, this selective mixed group of voices represents students capable of performing more advanced choral literature. Through various study and performance practices, students attain a high degree of proficiency in sight reading, ear training, and vocal development. Students will also study how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

01631/01632 **Vocal Ensemble 1**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: Consent of Instructor, Placement

Singers in Vocal Ensemble 1 are selected for their vocal and performance capabilities through the audition process. In most cases, membership in the Advanced Mixed Choir is required. Activities are performance oriented and often require theatrical movement. Students in this class study a wide variety of literature ranging from classical to popular/jazz styling, depending on the group's area of specialization. This course satisfies the district's fine arts graduation requirement.

01641/01642 **Vocal Ensemble 2**

Rec Grade Lvl: 10-12; 9-12 at RM Credit/Sem: 0.5

Prerequisite: Consent of Instructor, Placement

Singers in Vocal Ensemble 2 are selected for their vocal and performance capabilities through the audition process. In most cases, membership in the Advanced Mixed Choir is required. Activities are performance oriented and often require theatrical movement. Vocal Ensemble 2 students explore a wide variety of literature ranging from classical to popular/jazz styling, depending on the group's area of specialization. This course satisfies the district's fine arts graduation requirement.

01771/01772 **Concert Band**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Audition, Placement

An intermediate level band open to all qualified students, this performing group requires a basic musical background and fluency on one's instrument. Members join with the Symphonic Band to perform as a marching band during this season. Concert sessions entail a study of instrumentation fundamentals and techniques at individual, ensemble, and full band levels. Participation in other performing groups is encouraged, including advancement to Symphonic Band. Concert Band maintains an active performance schedule. Students will study how music interrelates with the other arts. Concert Band students must participate in Marching Band. This course satisfies the district's fine arts graduation requirement.

MUSIC

01781/01782 **Symphonic Band**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Audition, Placement

Open to all qualified students, the Symphonic Band studies and performs symphonic music literature that is both complex and challenging. During marching season, it combines with the Concert Band to form the Marching Band. In addition to a regular concert schedule, members may perform in a solo and/or ensemble situation. Participation in other musical organizations (orchestra, jazz, and pep bands) is encouraged. Students will study how music interrelates with the other arts. Symphonic Band students must participate in Marching Band. This course satisfies the district's fine arts graduation requirement.

01791/01792 **Concert Orchestra**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Audition, Placement

Concert Orchestra is a class for students who perform at the intermediate to advanced level. This class meets daily for one period and performs four to six times each year both in school and the community. Students receive one credit for each year they are in the class. This course meets the District 214 fine arts requirement.

01801/01801 **Jazz Band**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Audition, 01771/01772 or 01781/01782, or Division Head Approval

Jazz Band students explore standard jazz repertoire as well as more advanced and contemporary compositions including those exploring unusual meters and metric change and non-conventional formal structures. Improvisation is expected of all students. Performance on various occasions is anticipated and encouraged. Students will study how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

01811/01812 **Instrumental Ensemble**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Audition

Open to all instrumentalists regardless of their instrument, this course emphasizes the development and improvement of jazz techniques and improvisation. Outside classroom activities include several concerts throughout the school year. This course satisfies the district's fine arts graduation requirement.

01831/01832 **Orchestra**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: Audition, Placement

For students wishing to become members of a major performing group. String sections meet daily. Orchestra members must be proficient on a string instrument as well as in basic music fundamentals. Orchestra achieves full symphonic instrumentation through the addition of selected woodwind, brass, and percussion players. Major concert performances are scheduled throughout the year at both the building and district levels. Students will also study how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

01841/01842 **Guitar 1**

Rec Grade Lvl: 9-12; 10-12 EG,
RM, W

Credit/Sem: 0.5

Prerequisite: Placement

Students interested in learning to play the classical guitar will receive instruction in music notation and simple rhythmic patterns as well as right and left hand finger and rhythmic patterns. Students will study basic to moderately difficult music and how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

MUSIC

01871/0872 **Harmony & Arranging 1**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: Consent of Instructor, Placement

This course is an intensive study of the music fundamentals: melody, harmony, rhythm, instrumentation, conducting, sight singing, and analysis as they apply to music literature of all historical periods. Students' projects in composition and arranging are designed for those students with a previous musical background. This course satisfies the district's fine arts graduation requirement.

HEALTH AND PHYSICAL EDUCATION

08500	Adapted Physical Education	Rec Grade Lvl: 9-12	Credit/Sem: 0.25
Prerequisite: Placement			
This course offers physical education activities for individuals who, by physician prescription, are unable to participate in the regular physical education curriculum. This class emphasizes development and implementation of prescribed exercise programs as directed by the physician. The Adapted Physical Education program will also focus on health-related physical fitness concepts and appropriate skill-related fitness activities as approved by the physician. This course may be substituted for any course at any time provided the student meets all other enrollment criteria.			
08510	Freshman Physical Education 1	Rec Grade Lvl: 9	Credit/Sem: 0.25
Prerequisite: Placement			
This course introduces concepts for personal development in health-related fitness and physical skills; these include cardiovascular exercise, body composition, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. Students will develop physical and health-related fitness skills through participation in individual and field activities.			
08520	Freshman Physical Education 2	Rec Grade Lvl: 9	Credit/Sem: 0.25
Prerequisite: Placement			
This course introduces concepts for personal development in health-related fitness and physical skills; these include cardiovascular exercise, body composition, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. Students will develop physical and health-related fitness skills through participation in individual and team sports.			
08530	Physical Education	Rec Grade Lvl: 10-12	Credit/Sem: 0.25
Prerequisite: Placement			
This course focuses on personal health with emphasis on health-related fitness; students will work on exercise, cardiovascular, body composition, strength, endurance, and flexibility. Students engage in fitness activities based on their fitness level. A variety of fitness, skills, individual, and field activities will promote the development of lifetime fitness leisure skills.			
08540	Physical Education	Rec Grade Lvl: 10-12	Credit/Sem: 0.25
Prerequisite: Placement			
This course focuses on personal health with emphasis on health-related fitness; students will work on exercise, cardiovascular, body composition, strength, endurance, and flexibility. Students engage in fitness activities based on their fitness level. A variety of fitness, skills, individual, and field activities will promote the development of lifetime fitness leisure skills.			
08550	Dance 1	Rec Grade Lvl: 9-12	Credit/Sem: 0.25
Prerequisite: Placement			
This course engages students in basic dance education and appreciation of dance as a physical activity, art form, and lifetime activity. Students explore jazz, ballet, modern, folk, and tap techniques. Boys and girls of all ages are welcome. Students enrolled in the course must purchase appropriate dance attire. Successful completion of this course meets the fine arts graduation requirement.			

HEALTH AND PHYSICAL EDUCATION

08630	Dance Leader	Rec Grade Lvl: 12	Credit/Sem: 0.25
Prerequisite: 08580 and 08590, Placement			
This course allows students to utilize the leadership techniques they learned in Junior Leader and Junior Leader 2. The student will actively participate in and lead small and large group activities and assist physical education teachers in teaching, testing, officiating, and handling the managerial tasks associated with physical education instruction.			
08650	Advanced Swimming	Rec Grade Lvl: 10-12	Credit/Sem: 0.25
Prerequisite: Intermediate Swimming Skills, Placement			
The emphasis of this course is on swimming as a lifelong activity. It develops advanced swimming and life safety skills as well as the fitness level to do so. This course offers an opportunity for obtaining Lifeguard certification.			
08660	Advanced Strength & Conditioning	Rec Grade Lvl: 10-12	Credit/Sem: 0.25
Prerequisite: Attainment of Core Outcomes 08510 and 08520, or 08440 or Division Head Approval			
This is an advanced physical education class for students interested in achieving their highest level of health-related fitness. Class activity emphasizes improving health-related fitness through weight training, exercises, and running programs.			
08670	Power Gymnastics	Rec Grade Lvl: 9-12	Credit/Sem: 0.25
Prerequisite: Frosh-None; Soph/Jr/Sr, Attain Core Outcomes in 08510 or 08530 and 08520 or 08540, Placement			
This is an introductory course with major emphasis on the techniques, skills, and terminology commonly used in men's gymnastics events: vaulting, floor exercise, side horse, pommel bar, horizontal bars, and rings. Various gymnastic and health-related fitness activities develop the individual's physical and gymnastics skills. This course may not be repeated except with permission from the division head.			
08680	Grace Gymnastics	Rec Grade Lvl: 9-12	Credit/Sem: 0.25
Prerequisite: Frosh-None; Soph/Jr/Sr-Attain of Core Outcomes in 08510 or 08530 and 08520 or 08540, Placement			
This is an introductory course with major emphasis on the techniques, skills, and terminology commonly used in women's gymnastics: balance beam, uneven bars, vaulting, and floor exercise. Various gymnastic and health-related fitness activities develop the individual's physical fitness and gymnastics skills. This course may not be repeated except with permission from the division head.			
08690	Health Education	Rec Grade Lvl: 10	Credit/Sem: 0.5
Prerequisite: Placement			
This course presents a broad range of topics that will acquaint the student with the major concepts of wellness and personal and public health.			
08840	Sports Medicine 1	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
This is an introductory course designed to expose the student to the spectrum of options available in the field of sports medicine. The student will learn about the people, places, technologies, and careers in sports medicine as well as acquire knowledge and skills related to solving sports medicine problems. This course does not count toward physical education requirements.			

NATURAL SCIENCE

05011/05012 **Preparatory Biology** Rec Grade Lvl: 9 Credit/Sem: 0.5

Prerequisite: Placement

Students will investigate basic biology concepts in this course through laboratory and classroom activities which have particular relevance to the living world. Course work will introduce concepts and ideas concerning the human body, its functioning, and its relationship to a healthy environment. The basic notion of life, including cellular and chemical processes necessary for life, is investigated in the laboratory and explained in the text and lectures. Further study focuses on man, life systems, and the interaction of man with his environment.

05021/05022 **Biology** Rec Grade Lvl: 9-11 Credit/Sem: 0.5

Prerequisite: Placement

This course presents concepts and ideas concerning the commonality and diversity of all living organisms. The basic notion of life, including cellular and chemical processes necessary for life, is investigated in the laboratory and explained in the text and lectures. Further study focuses on man, life systems, and the interaction of man with his environment.

05031/05032 **Honors Biology** Rec Grade Lvl: 9 Credit/Sem: 0.5

Prerequisite: Placement

Honors Biology is similar to the topics in Biology 05021/05022 at a more challenging pace and depth.

05061/05062 **Preparatory Physical Science** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

This course takes a conceptual approach to the physical sciences including physics, chemistry, earth science, and astronomy. Students will learn through experimentation in the laboratory as well as through readings, lecture, and discussions. Students will develop skills related to measurement, graphing, and data analysis.

05071/05072 **Physical Science** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Placement

Topics selected for this course come from the physical sciences such as physics, chemistry, earth science, and astronomy. Students will learn physical science concepts through experimentation in the laboratory as well as through readings, lecture, and discussions. Students will develop skills and enhance skills related to measurement, graphing, data analysis, and mathematical modeling.

05111/05112 **Chemistry** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 04710 or 04630, Placement

The content of this course includes a mathematically oriented study of atomic and molecular structure along with the forces which govern chemical change. Topics include energy, conservation laws, organization and structure of matter, equilibrium, reaction rate, and electrical and magnetic forces. Sophomores may take this course with division head approval.

05121/05122 **Honors Chemistry** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 04710 and Division Head Approval

The content of this course is similar to that of the Chemistry course 511, however, students explore topics in greater depth. Selected advanced topics in chemistry are added to challenge the science-oriented student with a strong math background.

NATURAL SCIENCE

05161/05162 **Physics** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 04730, 04740 or Concurrent Enrollment

This course is a laboratory experience with mathematical emphasis. Topics include the study of conservation laws, space and time measurement, optics and waves, electricity, magnetism, energy, forces, and motion.

05171/05172 **Honors Physics** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 04730, 04740 or Concurrent Enrollment, and Division Head Approval

This course provides a detailed and comprehensive study of space and time measurement, optics and waves, electricity, magnetism, energy, and atomic structure. Course work demands a high level of mathematical rigor.

05250 **Environmental Science** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05021/05022 and 05071/05072 or Division Head Approval

This course explores the basic ecological principles applied in the study of mankind and his impact on the environment. Students investigate the causes and effects of pollution, animal endangerment, natural resources, and energy.

05280 **Human Physiology** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05021/05022 and 05111/05112 With a Grade of C or Better

This course provides an in-depth study of the structure and function of human systems.

05290 **Medical Chemistry** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05021/05022 and 05111/05112

This course provides a study of organic and biochemistry and offers students career and consumer experiences related to these fields of study.

05370 **Advanced Topics in Science 1** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: One Biology and One Physical Science Credit

This course will focus on ideas in science that are currently receiving critical attention in the scientific community. Students will explore issues representing the wide range of science. The underlying theme of this course is the development of scientific knowledge. The course is designed for students who have a general interest in science.

05380 **Advanced Topics in Science 2** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05370

This course is a continuation of Advanced Topics in Science 1 (05370).

NATURAL SCIENCE

05411/05412 **AP Biology (Lecture)**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 05021/05022, 05111/05112, Concurrent Enrollment in 05421/05422, and Division Head Approval

This course provides a detailed presentation of the fundamental principles of life through a content experience. The general topics, which will place emphasis on both plants and animals, include the chemical basis of life; the cell; genetics and reproduction; evolution; the structure, function, and classification of organisms; and ecology. One aim of the course is to prepare students for satisfactory performance on the Advanced Placement examination given in May. Students enrolled in this class will be strongly encouraged to take the Advanced Placement examination. This course must be taken concurrently with Advanced Placement Biology (Lab).

05421/05422 **AP Biology (Lab)**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: Concurrent Enrollment in 05411/05412

This course provides a detailed presentation of the fundamental principles of life through a laboratory experience. This course must be taken concurrently with Advanced Placement Biology (Lecture).

05431/05432 **AP Environmental Science**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 05021/05022 and 05111/05112

The content of this course is approximately equal to a one-semester, introductory-level college course in environmental science. The topics covered are interrelationships in the natural world, identifying and analyzing environmental problems both natural and human-made, evaluating the relative risks associated with these problems, and examining alternative solutions for resolving or preventing them. The aim of this course is to prepare students for satisfactory performance on the Advanced Placement examination given in May. Students enrolled in this class will be strongly encouraged to take the Advanced Placement examination.

05441/05442 **AP Physics C**

Rec Grade Lvl: 12

Credit/Sem: 0.5

Prerequisite: 05171/05172 and Concurrent Enrollment in 04860 & Division Head Approval

This course is intended for students who have completed one year of Physics and one year of Chemistry. Students should expect to apply rigorous mathematics in the development of theories, analysis of laboratory data, and solution of problems. The primary focus of this course will be problem solving and mathematical model construction to explain mechanics (statistics, kinematics, and dynamics).

05451/05452 **AP Chemistry (Lecture)**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 05111/05112 or 05121/05122, 04750 & Completion of or Enrollment in 05161/05162 or 05171/05172;

Concurrent Enrollment in 05461/05462 or Division Head Approval

The content of this course is approximately equivalent to a first year college chemistry course. Students will examine structure, bonding states of matter, reactions (type, stoichiometry, kinetics, and equilibrium), thermodynamics, and descriptive examination. Students are strongly encouraged to take the Advanced Placement examination in May. This course must be taken concurrently with Advanced Placement Chemistry (Lab).

05461/05462 **AP Chemistry (Lab)**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: Concurrent Enrollment in 05451/05452

The laboratory experiences provided by this course support the lecture presentation of the topics covered in Advanced Placement Chemistry (Lecture). Students will demonstrate their understanding of chemistry topics through a variety of laboratory activities. This course must be taken concurrently with Advanced Placement Chemistry (Lecture).

SOCIAL SCIENCE

07561/07562 **Social Science** Rec Grade Lvl: 9 Credit/Sem: 0.5

Prerequisite: Placement

This course introduces students to the disciplines of social science: sociology, economics, anthropology, psychology, geography, and political science. Course work will stress critical thinking, note taking, vocabulary, and other social studies skills.

07581/07582 **World History** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: Placement

This course is a survey of the development of civilization from prehistoric times to the present day. Topics will include how man has governed himself; his religious expressions and aspirations; developments in science and technology; problems of war and peace; and creative expressions in architecture, art, and literature.

07611/07612 **American Studies: U.S. History** Rec Grade Lvl: 11 Credit/Sem: 0.5

Prerequisite: Placement and Concurrent Enrollment in 03461/03462

This is an interdisciplinary course that combines American History with American Literature and Expository Writing to give students a deeper understanding of our cultural heritage. Literature will appear within a historical context, and the important trends and themes of history will be humanized by the presence of the creative arts. Students must take this course in conjunction with American Studies: Literature /Writing, and vice versa. This course meets the U.S. history requirement.

07641/07642 **U.S. History** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Placement

This course is a required two-semester course investigating the history of America from the age of discovery to the present. Teachers may present material in either chronological or topical units. Students take the federal and state constitutions, Declaration of Independence, and flag code test required for graduation during this course.

07651/07652 **AP World History** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: Consent of Instructor, Placement

This course develops a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. Using their knowledge and skills, students will explore comparisons among major societies. This course will prepare students to take the Advanced Placement exam.

07661/07662 **AP U.S. History** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Consent of Instructor, Placement

This accelerated U.S. History course for academically capable juniors and seniors incorporates college level materials, assignments, and means of evaluation in order to enrich, stimulate, and challenge the superior student. Placement is highly selective and is based on past grades, test scores, counselor recommendation, and interest in history. This course will prepare students to take the Advanced Placement exam.

07710 **Sociology 1** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: None

This course provides a behavioral study of oneself in relationship to human group behavior. Specific units will include sociological methodology, cultures, institutions, values, marriage, family, sexuality, and social issues. This course will introduce consumer education topics that will be completed in Sociology 2 (07720). Students must complete both semester courses (07710 and 07720) to satisfy the state consumer education requirement.

SOCIAL SCIENCE

09311/09312 **Human Geography**

Rec Grade Lvl: 9

Credit/Sem: 0.5

Prerequisite: Placement

This course focuses on the world's physical features, how they blend with social systems, and how they affect economies, politics, and human interaction. By understanding how political and economic systems influence international events, students will develop the skills and knowledge they will need to be contributing citizens: they will be able to make informed choices, prudently use resources, and function as effective participants in the economies around them.

09351/09352 **AP Human Geography**

Rec Grade Lvl: 9

Credit/Sem: 0.5

Prerequisite: Placement

This course provides an accelerated study of Human Geography, Politics, and Economics equivalent to those gained in a college level introductory course. Emphasis will be on ways that early civilizations throughout the world developed systems in beliefs about the nature of the world and how these and other beliefs resulted in laws, religions, languages, economics, communication, and technology that have shaped the modern world. Students will understand how political and economic systems influence international events. This course will prepare students to take the College Board Advanced Placement exam.

09411/09412 **Honors Integrated Social Science**

Rec Grade Lvl: 9

Credit/Sem: 0.5

Prerequisite: Placement

This course is prescribed for students who have aptitude for a broader and deeper study of the social sciences. This course introduces students to the disciplines of social science as directed by the Illinois State Standards. Areas of study will include psychology (study skills), political science, economics, sociology (social systems), and geography.

BUSINESS EDUCATION

05670	E-Consumerism	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
In this class students investigate banking, insurance, credit, taxes, investments, and consumer protection. This course will help students be prepared to face and solve real-life problems and make intelligent consumer decisions which will prove helpful to themselves and to the economy. Projects for this class involve interactive computer assignments and simulations. This course satisfies the state consumer education requirement.			
05681/05682	Entrepreneurship 1	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: 05670 or 05592 or Division Head Approval			
What goes into starting your own business? Students will gain a firsthand experience with all of the steps involved, from creating a product concept through its production and distribution into the marketplace. Each student must participate in developing and operating a small school-based business.			
05690	Consumer Education	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: None			
In this class, students concentrate on skills and concepts in banking, insurance, credit, practical money management, consumer protection, communications, career planning, and economic systems. Students gain an awareness of the common sense "survival" knowledge needed to make sound choices in the basic areas of consumer practices. This course satisfies the state consumer education requirement.			
05720	Sports & Entertainment Marketing	Rec Grade Lvl: 10-12 or Consent of Instructor	Credit/Sem: 0.5
Prerequisite: None			
This highly engaging interactive class will emphasize marketing principles through exposure to professional sports teams, entertainment businesses, and high tech companies. Students will have the opportunity to hear numerous speakers in the professional sports, entertainment, and technology industries and take field trips to observe different careers available in marketing. Areas of study will include careers in marketing, opportunity analysis, promotion, pricing, product development, distribution, case studies, and marketing plan development.			
05731/05732	Marketing	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: None			
Students will have creative opportunities to explore marketing, merchandising distribution, advertising, and promotion. They may showcase their marketing skills by participating in DECA (an association of marketing students) at district, state, and national career development conferences. Students will also be exposed to the marketing and entertainment industries if they choose to participate in the Chicago and New York field experiences offered through this class.			
05740	Business Management	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: None			
This course is designed for students interested in business management. Through concentration on the functions of management, students are exposed to the theories of how to get things done through people. Areas of study include organizational planning, human resource management, organizations, and management information systems.			

BUSINESS EDUCATION

05651/05652 **College Management**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: None

This course presents the nature of business and the environments in which it operates. Forms of business ownership, introduction to operative and facilitating facts of business operation, management, marketing, accounting, statistics, business law, finance, investments, insurance, and labor-management relations. This is the introductory management course (MGT 111) taught at Harper College.

05641/05642 **College Marketing**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: None

This course presents marketing as a focus on methods involved in distribution of goods and services. Roles and functions of marketing institutions in business system. Product, price, promotion, and distribution channel policies. Topics include: marketing mix, marketing research, market segmentation, consumer behavior, industrial goods, market planning, sales promotion techniques, break-even analysis, global marketing, careers in marketing, economic systems, and business ethics. Students who successfully complete the second semester of this course will receive Harper College transcribed credit for MKT 245.

CAREER EDUCATION

06500 **Career Exploration** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: None

This course is for all students who want to gain an understanding of themselves and their relationship to the world of work. Students will participate in career development simulations designed to provide a base of experience for making personal and career related decisions. Students will learn how to locate, organize, evaluate, and use career related data and thus be better prepared for real world expectations.

06511/06512 **Cooperative Work Training 1** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 16 Years Old, Consent of Coordinator, and Concurrent Enrollment in 06521/06522

Classroom instruction will include employment search techniques, interview skills, career exploration, and the development of a post-secondary plan. Throughout the course instruction will emphasize problem solving, decision-making, communication, and management issues that thread their way through the work place. Completion of this course will satisfy the consumer education requirement. As a result, this course will also concentrate on banking, insurance, credit, housing, taxes, automobile purchasing, investments, and financial planning. Students also enrolled in Cooperative Work Training Internship 1 (06521/06522) will earn an additional work credit.

06521/06522 **Cooperative Work Training Internship 1** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Concurrent Enrollment in 06511/06512

Cooperative Work Training Internship 1 (C.W.T. 1) is practical work training that takes place in our community businesses. Students will experience on-the-job training at various entry levels and semi-skilled occupations. Students will work a minimum of 12 hours per week at businesses approved by the teacher coordinator. The coordinator will make periodic visits to employment sites to monitor each student's progress.

06531/06532 **Cooperative Work Training 2** Rec Grade Lvl: 12 or Consent of Credit/Sem: 0.5
Coordinator

Prerequisite: 06522 and Concurrent Enrollment in 06541/06542

This course is an extension of Cooperative Work Training Internship 2 (C.W.T. 2) focusing on vocational review related to various job skills required for success in today's working environment. It promotes ethical standards for both personal and business involvement including respect for others' privacy, dignity, and opinions. This class specifically emphasizes lifelong learning skills and career options for graduating seniors.

06541/06542 **Cooperative Work Training Internship 2** Rec Grade Lvl: 12 or Consent of Credit/Sem: 0.5
Coordinator

Prerequisite: Concurrent Enrollment in 06531/06532

Cooperative Work Training Internship 2 (C.W.T. 2) is practical work training that takes place in our community businesses. Students will experience on-the-job training at various entry level and semi-skilled occupations. Students will work a minimum of 12 hours per week at businesses approved by the teacher coordinator. The coordinator will make periodic visits to employment sites to monitor each student's progress.

06551/06552 **Career Community** Rec Grade Lvl: 11-12 Credit/Sem: 0.25

Prerequisite: Concurrent Enrollment in 06561/06562

This is a mini-seminar class coupled with paid work experiences in local business and industry. This class provides opportunities for career assessment and analysis, preview, and participation. This class involves placement for pre-career service, mentoring, and community involvement and meets for 100 minutes a week in the manner prescribed by the building administration.

CAREER EDUCATION

06561/06562 **Career Community Internship** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Concurrent Enrollment in 06551/06552

The Career Community Internship student receives on-the-job training in an occupation of his/her choice. The local firm, or training station, hires the student as a part-time employee or agrees to provide a non-paid internship and provides the practical training necessary to make the student proficient in that occupation. The coordinator will make periodic visits to the employment site to monitor the student's progress.

06590 **Community Resources** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: None

This program provides educational experiences not readily available in the classroom. Resources including businesses, industries, professionals, public service, governmental and private social agencies provide on-site career exploration and community service opportunities. Applications are made with the community resource coordinator. Transportation will be made available.

06601/06602 **Interrelated Career Education 1** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 16 Years Old, Consent of Instructor, and Concurrent Enrollment in 06611/06612

This course prepares a student for a systematic, orderly transition into gainful employment upon the fulfillment of his/her formal education. Students complete assignments and activities that are coordinated with on-the-job experiences. This program helps students make the transition from school to the world of work. Completion of this course satisfies the consumer education requirement.

06611/06612 **Career Education Internship 1** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Concurrent Enrollment in 06601/06602

The Inter-Related Career Education student receives on-the-job training at a qualified community resource in an occupation of his/her choice. The local firm or training station hires the student as a part-time employee and provides the practical training necessary to make the student proficient in that occupation. The coordinator will make periodic visits to the employment site to monitor the student's progress.

06621/06622 **Interrelated Career Education 2** Rec Grade Lvl: 12 or Consent of Credit/Sem: 0.5
Division Head

Prerequisite: 06602 and Concurrent Enrollment in 06631/06632

The second year student continues career training on a part-time basis with the related class placing an increasing emphasis on advanced technical information reinforcing the general information that is important to all employees.

06631/06632 **Career Education Internship 2** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: Concurrent Enrollment in 06621/06622

The Inter-Related Career Education student receives on-the-job training at a qualified community resource in an occupation of his/her choice. The local firm or training station hires the student as a part-time employee and provides the practical training necessary to make the student proficient in that occupation. The coordinator will make periodic visits to the employment site to monitor the student's progress.

06771/06772 **Nail Technology** Rec Grade Lvl: 12 Credit/Sem: 1

Prerequisite: Application and Interview

This 350 hour state approved licensing course is for students interested in the nail technology field or as a nail technology business operator. Upon successful completion of all goals and passing required tests, the student is eligible to take the state board exam for State of Illinois nail technology certification. This class requires a substantial fee for materials and state registration. Transportation will be available upon request.

CAREER EDUCATION

06781/06782 **Cosmetology - Empire School of Beauty** Rec Grade Lvl: 12 Credit/Sem: 1

Prerequisite: Application and Interview

Cosmetology is the first year (750 hours) of a 1500-hour program. Township High School District 214 is financially responsible for the first 750 hours of class. Upon graduation from District 214, students will be financially responsible for the remaining 750 hours to complete the program. This course is for students who are interested in a career in Cosmetology or as a beauty salon operator. The program is a joint effort between both Township High School District 214 and Empire School of Beauty in Arlington Heights, Illinois. This course requires a substantial fee for materials. Transportation will be provided upon request.

06791/06792 **Power-On-Site Training** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: 06062 and Interview Selection Process

This program provides technical automotive training and shop work in a commercial enterprise under the direction of a service manager. Training experience includes two hours of work each day with an experienced mechanic or parts person employed by the place of business. A teacher-coordinator will place the student as well as visit the training station to monitor and evaluate the student's progress.

09751/09752 **Preparatory Career/Vocation** Rec Grade Lvl: 11 Credit/Sem: 0.5

Prerequisite: None

This course is designed as a junior level class. The focus is on work behaviors and pre-vocational skills. Some of the areas addressed include: getting along with the boss and coworkers, getting to work on time, following directions, and leaving personal problems at home.

09861/09862 **Medical Science Academy** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: Application and Interview

This is an advanced course for students interested in careers in medicine. Students alternate days of on-site experiential learning with college-level coursework in the classroom. Using a 150-minute block of time daily, this course blends topics existing in other areas of the curriculum with material to be developed specifically for this field of study. Students will play an active role in the learning process. Class topics will be determined in part by the experiences the students have on-site, and analyzed through an increased amount of classroom seminar/discussion format. In addition, students will pursue issues of personal interest. This course, taught at Prospect High School, is open to all district students.

09870 **Internship Program** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: Application and Interview

The district Internship Program places students at various career sites during either the first or second semester or during the six weeks of summer school. Students chose their internship from over 25 career areas. All district internships are unpaid and students are responsible for their own transportation.

09981/09982 **Education Academy** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: Application and Interview

This is an advanced course for students interested in careers in education. Students alternate days of on-site experiential learning with college-level coursework in the classroom. Using a 150-minute block of time daily, this course blends topics existing in other areas of the curriculum with material to be developed specifically for this field of study. Students will play an active role in the learning process. Class topics will be determined in part by the experiences the students have on-site, and analyzed through an increased amount of classroom seminar/discussion format. In addition, students will pursue issues of personal interest. This course, taught at the Forest View Educational Center, is open to all district students.

CAREER EDUCATION

10060 **Introductory Electronics (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: None

This course introduces students to laboratory instruments, circuit components, basic measuring techniques, and basic circuits used as building blocks in any electronic system. Students successfully completing this course will receive one high school credit and four semester hours of Harper College credit. Students should consult their counselor for meeting times. Transportation will be provided to classes held at Harper College. Transportation will NOT be provided to/from Harper College for classes that begin after 3:30 p.m.

10070 **Industrial Control Systems (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: 10060

Students in this class will study resistive circuits involving electronic devices. Students will explore volt-ampere characteristics and the physics of diodes, transistors, and other semiconductor devices with emphasis on biasing and the setting of DC levels to make the device function. Students successfully completing this course will receive one high school credit and three hours of Harper College credit. Students should consult their counselor for meeting times. Transportation will NOT be provided to/from Harper College for classes that begin after 3:30 p.m.

10080 **Refrigeration Fundamentals (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: None

This course offers career exploration along with development of job entry skills through a competency-based approach to learning. Students examine basic terminology, fundamental loss of energy behavior and transportation, description of various systems and related trouble diagnoses, and an introduction to domestic and commercial cooling and heating equipment. Students should have some mechanical aptitude or interest. A strong background in mathematics or science is not essential. This course will grant dual credit. Students successfully completing this course will receive one high school credit and four semester hours of Harper College credit. Students should consult their counselor for meeting times and days. Transportation will NOT be provided to/from Harper College for classes that

10090 **Refrigeration Systems (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 1

Prerequisite: 10080 with a Grade of C or Better

This course continues to develop principles and concepts learned in Refrigeration Fundamentals. Students learn about components and accessories added to basic refrigeration systems for special applications. Students will develop skills in diagnostics and trouble shooting procedures. This is a dual credit course held at Harper College. Upon successful completion, students will receive one high school credit and four semester hours of Harper College credit. Student should consult their counselors for meeting times and days. Transportation will NOT be provided to/from Harper College for classes that begin after 3:30 p.m.

10100 **Introduction to Criminal Justice (Harper College)** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: None

In this course students will explore criminal justice agencies, their operation, objectives, and basic purpose. Students will investigate career opportunities within the criminal justice field and various types of specialties within a police department. These specialties include accident investigation, report writing and reviewing, SWAT, breathalyzer, crime scene collection of evidence, investigations, and hostage negotiations. This is a dual credit class and will receive three semester hours of Harper College credit. Transportation will be provided.

10120 **Introduction to Corrections (Harper College)** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: 10100 with a Grade of C or Better or Consent of Instructor

This course provides the student with integrated knowledge about the corrections system through which the criminal offender is processed. Emphasis will be placed on the philosophical bases of punishment and treatment techniques in institutional and community-based programs and parole programs. Students will receive three semester hours of Harper College credit. Transportation will be provided.

CAREER EDUCATION

10130 **Introduction Fire Science (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: None

This course provides an overview of the fire protection profession. It includes a study of career opportunities in fire protection and related fields: philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, fire protection systems, and fire strategy and tactics. This is a dual credit course offered at Harper College. Students will receive three (3) hours of college credit per semester. Transportation, if needed, will be provided.

10140 **Fire Behavior & Combustion (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 10130

This course explores the theories and principles of how and why fires start, spread, and are brought under control. Students will relate the principles by which fires spread with the appropriate methods of control. This is a dual credit course offered at Harper College. Students will receive three (3) hours of college credit per semester. Transportation, if needed, will be provided.

10150 **Heating Principles (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 10090

Heating Principles is designed to provide students knowledge regarding heating and cooling systems and to give them practical experience in identifying and troubleshooting system problems. This course is part of a sequence of courses leading to a certification in Heating, Ventilation, and Air Conditioning. This is a dual credit course offered at Harper College. Students will receive four (4) hours of college credit upon successful completion of the course. Transportation will NOT be provided to/from Harper College for classes that begin after 3:00 p.m.

10160 **Heating & Cooling Controls (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 10150

Heating and Cooling Controls is designed to provide students knowledge regarding heating and cooling systems and to give them practical experience in identifying and troubleshooting system problems. This course is part of a sequence of courses leading to a certification in Heating, Ventilation, and Air Conditioning. This is a dual credit course offered at Harper College. Students will receive four (4) hours of college credit upon successful completion of the course. Transportation will NOT be provided to/from Harper College for classes that begin after 3:00 p.m.

10170 **Domestic Refrigeration Appliances (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 10160

Domestic Refrigeration Appliances is designed to provide students with a comprehensive examination of the operation, problem solving, and repair of residential refrigeration appliances. This course is part of a sequence of courses leading to a certification in Heating, Ventilation, and Air Conditioning. This is a dual credit course offered at Harper College. Students will receive four (4) hours of college credit upon successful completion. Transportation will NOT be provided to/from Harper College for classes that begin after 3:00 p.m.

10180 **Introduction to the Health Care Field (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Completion of Two Years of Science

This program is a survey course offering a broad range of information on career opportunities in the health field and available educational programs in Illinois. Participation in this course will assist the high school student in making appropriate career decisions in the health occupations. Transportation will be furnished to classes at Harper College. Students will receive two semester hours of college credit.

CAREER EDUCATION

10190 **Health Occupations Career Observation (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 10180 or Concurrent Enrollment With 10180

Health Occupations Career Observation will provide students with a job shadowing experience related to the existing approved Health Occupations course that is currently offered through our Harper College Dual Credit program. Students in Health Occupations Career Observation observe selected occupations within a healthcare setting at one of our local hospitals. The students will attend sessions at the hospital under the supervision of the internship instructor and departmental specific mentors. The student must also maintain a daily documentation of activities. Students will receive one hour of college credit. Transportation will NOT be provided to/from Harper College for classes that begin after 3:00 p.m.

10200 **Nursing Assistant Training (Harper College)** Rec Grade Lvl: 12 Credit/Sem: 1.5

Prerequisite: 16 Years Old or Older, Shared Course Coordinator Approval, & 10180 with a Grade of C or Better

The basic Nursing Assistant Training program teaches students basic nursing skills to provide direct "hands on" care of residents in long-term care and hospital settings. Students will learn the basic skills in a theory and laboratory setting prior to the clinical experience. A theory grade of 75 percent and the successful demonstration of skills are validated prior to the clinical experience in order to deliver safe, competent, quality care. Before entering the clinicals, students will need to obtain, at their own expense, required medical tests and appropriate uniforms. At all times, students are under the direct supervision of an Illinois Department of Public Health approved registered nurse. Graduates of this program are eligible to sit for the state Nurse Aide Competency Exam and

10220 **Food Standards & Sanitation (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 16 Years Old or Older, and Two Sem. of Building Level Food Courses

This is the first course of a two-year program sequence that prepares students for careers in food service management. Students have the opportunity to learn about the industry and develop food preparation and business skills. Transportation is provided for the Harper class.

10230 **Food Service (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 10220

This is the second semester course in the Food Service Management program sequence. Students also spend 15 hours of non-school, aid work time per week with a designated local employer who has been trained by the Illinois Restaurant Association in providing a rotation of industry skills. Students must provide their own transportation to the work site.

10240 **Introduction to the Hospitality Industry (Harper College)** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: 10230

This course is a continuation of the Food Service Management program for students who have successfully completed the program classes in the previous school year. Students will continue to develop food and beverage preparation, menu planning, and business marketing and management skills. Transportation is provided. Students also spend 15 hours of non-school time per week participating in paid work site learning. Students must provide their own transportation to the work site.

10250 **Intro to Food Preparation/Production (Harper College)** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: 10240

This is the fourth course in the Food Service Management program sequence. This course introduces basic cooking skills that can be developed to provide quality food products. Students will learn fundamentals of cooking and baking through daily assignments and production. This course will cover all aspects of the industry. Transportation will be furnished to classes at Harper College. Students also spend 15 hours of non-school time per week participating in paid work site learning. Students must provide their own transportation to the work site.

CAREER EDUCATION

10260 **Fashion Industry Career Practicum & Seminar (HC)** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: None

This course presents students with an overview of career and employment possibilities in the fashion business and industries. Emphasis is placed on individual career path selections through interest testing and career planning. Students will attend one hour in theory class per week on the Harper campus in the evening and participate 10 hours per week in the evening or on the weekend in a paid internship in local business. Students must provide their own transportation. Students will receive three semester hours of Harper College credit upon completion of this course. There is a fee for course materials.

10271/10272 **American Sign Language 1 & 2 (Harper College)** Rec Grade Lvl: 12 Credit/Sem: 0.75

Prerequisite: None

This beginning level course (same as 07551/07552) introduces the student to American Sign Language with emphasis on receptive and expressive vocabulary skill development and appropriate use of grammatical structures. Students also learn about the deaf community and its culture. This course is designed for students with no previous experience in American Sign Language. A grade of "B" or better in English is recommended. This course may fulfill the foreign language entrance requirement for some colleges and universities. Students are advised to check with individual schools. This is a dual credit course offered at Harper College. Students will receive eight (8) hours of college credit per year upon successful completion of the course. Transportation will be provided if requested.

10280 **English for Specific Proposes: Business Comm Skills (HC)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: ESL 3 Status or Completion

This course focuses on business English skills, writing e-mail and business letters, and using business phrases, idioms, and vocabulary in both written and spoken English. It provides students with practical understanding of the English language needed for careers and further education at the post-secondary level.

10290 **ESL Skills for the Health Care Field (Harper College)** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: ESL 3 Status or Completion

This course focuses on exploration of various healthcare careers, English language skills, and aspects of U.S. culture specific to the field. It is designed for English Language Learners (ELL) students at the high intermediate level or above. The course includes reading skills, idiomatic expressions, and written and oral vocabulary related to healthcare careers.

06640 **Medical Terminology, HSC 112** Rec Grade Lvl: 12 Credit/Sem: 0.5

Prerequisite: 10180 Introduction to the Health Care Field

Emphasizes the origin and the basic structure of medical words, including prefixes, suffixes, word roots, combining forms and plurals. Offers pronunciation, spelling, and definition of medical terms based on the body systems approach. Emphasis on rendering a professional vocabulary required for work in the health care field.

FAMILY AND CONSUMER SCIENCES

05780 **Foods 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This is an introductory course in food preparation and nutrition that includes classroom and laboratory experiences. Class work emphasizes time management and safety as students gain basic knowledge and skills in food preparation. Units of instruction include breakfast foods, lunches, convenience cooking, and desserts.

05790 **Foods 2: Advanced Food Preparation** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 05780 or Consent of Instructor

This class is a continuation of the principles and techniques taught in Foods 1 using and expanding the students' knowledge as they study advanced techniques and applications. Students are introduced to a wide variety of culinary styles as well as career opportunities related to the profession. Units of study include working with meats, poultry, and pasta.

05800 **Foods 3: Advanced Culinary & Pastry Skills** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 05790 or Consent of Instructor

This course is an advanced study of the culinary arts and pastry creation. Students study career opportunities within the areas of foods and nutrition, and elements of technology are integrated. Units of study may include international and regional cuisine, as well as higher level baking and pastry techniques.

05820 **Practicum in Early Childhood Education 3** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05910 and 05950

This is an advanced course for students that have successfully completed levels of Practicum in Early Childhood Education 1 and 2. This course provides students with actual onsite work experience with children. Emphasis will be placed on the creation of a career portfolio based on the students' goals and interests in the area of early childhood education. Students pursuing careers in k-12 education, Psychology, Social Work, and areas of the medical field such as therapists, pediatricians, and nursing, will benefit from this class.

05830 **Practicum in Early Childhood Education 4** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05920, 05950, and 05820

In this lab oriented class students will develop activities that incorporate Illinois State Board of Education (ISBE) Early Childhood Standards. Students will create, implement, and assess a comprehensive portfolio. Students will become familiar with emerging curriculum, scheduling, materials and equipment. Teacher's roles and leadership skills are emphasized. This course would be beneficial to students with an interest in pursuing a career related to education.

05850 **Fashion Construction 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This course provides an understanding of the many facets of clothing and textiles. Students will practice the fundamentals of basic sewing skills, patterns, and construction techniques. Students will apply their knowledge and skills in problem solving as they relate to the construction of garments.

05860 **Fashion Construction 2** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 05850

This course continues the development of clothing construction techniques, knowledge, and experiences. Students will study alterations, designer patterns, special fabrics, and advanced construction techniques.

FAMILY AND CONSUMER SCIENCES

06700 **Introduction to Preschool** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This is an introductory course designed for students who are interested in working with preschool children. Students observe, plan, and teach children in our preschool facility while providing a healthy and stimulating environment for them. They acquire the experience and skills needed to work with children. This is an excellent opportunity for students who may be considering teaching as a profession.

06830 **Teacher Internship Program** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: Application and Interview

This program is designed for students who wish to explore a career in education. It is similar to a student teaching experience because interns perform a variety of tasks representative of the daily activities of a teacher. These tasks include large or small group instruction, preparation of instructional materials, and clerical work. Interns may choose to work with a certified teacher at their high school or at a local elementary or middle school. Students are required to provide their own transportation to off-campus locations.

05711/05712 **Culinary Arts/ProStart & Restaurant Management** Rec Grade Lvl: 11-12 Credit/Sem: 0.5

Prerequisite: 05790 Foods 2: Advanced Food Preparation

This course helps students attain the knowledge and develop skills for the foodservice industry, our country's fastest-growing industry. Students will sharpen culinary skills while gaining experience in the industry. This course will follow the ProStart curriculum certified by the National Restaurant Association (NRA) and Illinois Restaurant Association (IRA) and over the first year of a two-year program. A related, School-Business partnership will enhance the students' understanding of the commercial food skills standards, with a chance to shadow in a related job. This is part of the District 214 Dual Credit Program and will grant college credit toward an associate or bachelor's degree.

TECHNOLOGY EDUCATION

06030	Transportation Technology	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
<p>This course provides an overview of the technology involved in moving people and materials from one location to another. Students will explore the transport of goods and materials by land, water, and air. Coursework will include the study of materials handling within the manufacturing process as well as methods of commercial and personal transportation. Assignments and laboratory activities will allow students to explore various elements of transportation. Students may also gain lab experience in the maintenance and repair of small engines.</p>			
06051/6052	Automotive Systems	Rec Grade Lvl: Grd 9 w/consent of Instructor	Credit/Sem: 0.5
Prerequisite: None			
<p>This course provides a blend of hands-on skills and theoretical knowledge of the automobile. Lab exercises will emphasize preventive maintenance and entry-level job requirements. Students will explore each automotive system from both scientific and practical points of view and have ample opportunity to work on his/her own vehicle for lab experience. However, having a car or drivers license is not required.</p>			
06061/06062	Diagnostic Testing & Repair	Rec Grade Lvl: 10-12	Credit/Sem: 0.5
Prerequisite: 06052			
<p>This course is designed to offer an in-depth investigation into the automobile and how it is repaired. Students will develop diagnostic skills through the use of lab test equipment typical of that used in the auto service industry. Through work on student and faculty vehicles as well as lab demonstration stations, students will learn automotive repair skills. By the completion of this course, each student will have a working knowledge of basic diagnosis, testing, and repair procedures. These skills can provide a basis for an entry-level job in the automotive industry.</p>			
06071/06072	Vocational Auto	Rec Grade Lvl: 11-12	Credit/Sem: 0.5
Prerequisite: 06062 or Consent of Instructor			
<p>This course provides an in-depth exploration of the specific sub-assemblies of the automobile. This course concentrates on repairs to a variety of automotive systems. Emphasis is placed on the use of sophisticated diagnostic and repair skills typical of the auto industry. Students completing this course will be well prepared to continue post-secondary education leading to the national Automotive Service of Excellence (ASE) certification as an automotive technician.</p>			
06191/06192	Practical Architectural Construction-PAC	Rec Grade Lvl: 10-12	Credit/Sem: 1
Prerequisite: Consent of PAC Coordinator			
<p>This course provides actual on-site work experience. Students have the opportunity to work with the tools of carpentry and related trades while building a single-family residence on a chosen job site in the district.</p>			
06250	Graphic Arts Technology 1	Rec Grade Lvl: 9-12	Credit/Sem: 0.5
Prerequisite: None			
<p>This course provides students with an overview of the graphic arts industry and will give them an opportunity to become involved with hands-on experiences in lithography and screen-printing. Each student will have opportunities to gain an insight into the graphic arts industry in order to investigate a possible career. This course is offered at BGHS, EGHS, and JHHS.</p>			

TECHNOLOGY EDUCATION

06260 Graphic Arts Technology 2

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 06250

This course is designed for students who want to further their investigation into a career in graphic arts. The students will concentrate on lithography and screen printing in addition to desktop publishing, layout and design, camera work, stripping and platemaking, safety, press work, bindery and screen printing. Students will have ample time to develop and explore job skills. This course is offered at BGHS, EGHS, and JHHS.

06270 Graphic Arts Technology 3

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 06260

This course is designed for students who would like to further their investigation into a career in graphic arts. The students will concentrate on lithography and screen printing in addition to desktop publishing, layout and design, camera work, stripping and platemaking, safety, press work, bindery, and screen printing. Students will have ample time to develop and explore job skills. This course is offered at BGHS, EGHS, and JHHS.

06280 Graphic Arts Technology 4

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 06270

This course gives students insight into the graphic arts industry. Students enrolled in this course will develop basic job entry skills in lithography and screen-printing, and will be able to make a decision about pursuing a career in graphic arts. This course is offered at BGHS, EGHS, and JHHS.

06290 Woodworking 1

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

This is a course intended for students who enjoy designing and constructing useful wood products. Instruction stresses the development of knowledge and skills needed for product design and production, recognizing appropriate safety and workmanship standards, and the application of knowledge regarding woodworking tools, materials, and processes. This class emphasizes teamwork, career awareness, decision-making, and time management skills.

06301/06302 Advanced Graphic Arts

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 06280 or Consent of Instructor

This course prepares students for post-secondary experiences in the graphic arts industry. This capstone course can lead directly to a number of post-secondary institutions that award certificated, associate and baccalaureate degrees, and establishes skills that transition directly into the workspace. This class's production-oriented atmosphere challenges students to build on previous course work and become self-directed learners who create professional, high profile printing projects. This course is offered at BGHS, EGHS, and JHHS.

06310 Woodworking 2

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 06290

This hands-on course continues to cover the concepts of woodworking. Techniques learned in the previous class are put to extensive use as more advanced techniques and skills are introduced. Instruction introduces a number of tools and safe operating procedures. Students will utilize the skills, techniques and tools taught in the class in the making of several projects. Skills learned will provide a strong foundation for subsequent woodworking classes.

TECHNOLOGY EDUCATION

06741/06742 **Computer Repair A+ Certification** Rec Grade Lvl: 11-12 Credit/Sem: 0.75

Prerequisite: 09030 or 09060 or Division Head Approval

Computer Repair A+ Certification is a two-semester district course offered at JHHS and RMHS and is open to all students in District 214. This is a PC based course designed to cover the following subjects: microcomputer fundamentals, PC hardware, Microsoft operating systems, troubleshooting, processors, system board devices, input/output devices, optical storage, video displays, printers, multimedia, networking, installation, configuration, upgrading, and diagnosing. Students successfully completing this course will have the opportunity to sit for the A+ Certification exam, which is a recognized industry certification for PC repair technicians. This course is recommended for average to above average students. Students receive a .75 high school elective credit per semester.

06750 **CISCO Networking Basics** Rec Grade Lvl: 11-12 Credit/Sem: 0.75

Prerequisite: 06742 or Consent of Division Head

This course is the first of two semester courses in the computer repair program course capstone sequence. The course content is regulated by industry standards and rewards the student, after successful completion of two semesters, with an industry certificate. Students complete the first two semesters at the high school site and receive articulated college credit. Students are then eligible to complete the remaining two semesters at Harper College and receive an additional certificate.

06760 **CISCO Routers & Routing Basics** Rec Grade Lvl: 11-12 Credit/Sem: 0.75

Prerequisite: 06750

This course is the second of two semester courses in the computer repair program course capstone sequence. The course content is regulated by industry standards and rewards the student, after successful completion of two semesters, with an industry certificate. Students complete the first two semesters at the high school site and receive articulated college credit. Students are then eligible to complete the remaining two-semester courses at Harper College and receive an additional certificate.

06881/06882 **PLTW-Introduction to Engineering Design** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: Interview Selection Process

Introduction to Engineering Design encourages students to be creative and apply decision-making and problem solving skills to specific design problems, using powerful computer hardware and software (Inventor) to develop 3-D models or solid renderings. Using a CAD (computer aided design) system, students explore the design process through creating, analyzing, rendering, and producing-model.

06891/06892 **PLTW-Computerized Integrated Manufacturing** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 06882

Computerized Integrated Manufacturing builds on the solid modeling skills developed in Introduction to Engineering Design of prototyping, robotics, and automation. Students will solve problems by using computer controlled rapid prototyping and CNC equipment to construct models of their 3-D models. They will also explore the fundamentals of robotics, learning how this technology functions in an automated manufacturing environment. Finally, students will learn how to evaluate their design solutions before producing their prototypes.

06901/06902 **PLTW-Civil Engineering & Architecture** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 06882

This course provides an overview of civil engineering and architecture, emphasizing how they are related and interdependent. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the roles of civil engineers and architects, project planning, site planning, building design, project documentation and presentation.

TECHNOLOGY EDUCATION

06911/06912 **PLTW-Digital Electronics**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 06882

Digital Electronics is a course in applied logic. Students will explore the digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. They will investigate digital logic and how digital devices can control automated equipment and use industry standard, electronic design software to build circuits and to export designs.

06921/06922 **PLTW-Principles of Engineering**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 06892 or 06902 or 06912

Principles of Engineering is designed to help students understand career possibilities in engineering and engineering technology. Exploring engineering systems and manufacturing processes, students will continue to develop the problem solving skills used on the college level and in the work place. In addition, students will learn how engineers address concerns about the social and political consequences created by technological change.

06931/06932 **PLTW-Engineering Design & Development**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 06892 or 06902 or 06912

Applying the principles they learned in previous courses, students in this class will work in small teams to design and construct the solution to an engineering problem involving a wide range of engineering applications. Students will keep journals that will become part of their portfolios. Each team will be responsible for delivering progress reports and making final presentations to an outside review panel.

06941/06942 **PLTW-Aerospace Engineering**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 06932

Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering. This course includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity.

06950 **Media Technology 1**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: None

In this course students are introduced to the methods, software, and equipment used in television and radio broadcasting. Students will learn the basics of camera operation, lighting and audio techniques, and editing methods used in the production of video. Students will also learn to create multimedia presentations that can be used in other academic and vocational environments.

06960 **Media Technology 2**

Rec Grade Lvl: 9-12

Credit/Sem: 0.5

Prerequisite: 06950

This course will enable students to demonstrate the fundamental principles of video production applying the concepts and skills learned in the introductory course, Media Technology 1. Students will have the opportunity to use equipment and software independently to create video productions to be aired on closed circuit television and utilized in the schools' morning announcements.

06970 **Media Technology 3**

Rec Grade Lvl: 10-12

Credit/Sem: 0.5

Prerequisite: 06960

This course offers students hands-on experience in a television broadcast setting. Technology and techniques will be learned and delivered within the school building through the daily production of morning announcement programming. Students will also focus on the enhancement of storyboards and how ethical issues affect the media industry. Concepts taught in Media Technology 1 and 2 will be developed to produce high quality video productions.

TECHNOLOGY EDUCATION

06980 **Media Technology 4** Rec Grade Lvl: 10-12 Credit/Sem: 0.5

Prerequisite: 06970

This course is the capstone course in the Media Technology sequence. It is an active learning class that focuses on the design, writing, and production of a variety of program formats to be used exclusively for community broadcast over local access cable channels. Students will build upon their experiences from Media Technology 1, 2, and 3 to produce extended segments from concept through post-production and distribution. They will receive experiential training within a production studio, on location, and in the engineering and editing rooms.

06801/06802 **Robotics 1** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This course will apply problem solving as a tool for the process of machine design. Students will use skills to create, design, and fabricate radio-controlled robots.

06811/06812 **Robotics 2** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 06801/06802 Robotics 1

This course is an elective course that emphasizes the use of the theories, laws, and models of physics to solve problems in modern engineering applications. Students will learn the process needed to successfully design machines or solve specific problems. It will follow a format leading to an engineering competition.

06821/06822 **Robotics 3** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 06811/06812 Robotics 2

This course is a continuation of Robotics 2 and will demand an understanding of the theories and laws of physics. Students in the class will be expected to apply theories and laws of physics in designing systems such as robotic arms, drive systems, lift systems, and material selections. This course is recommended for a student interested in a career in engineering. It will follow a format leading to an engineering competition.

06841/06842 **Robotics 4** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: 06821/06822 Robotics 3

This course is a continuation of Robotics 3 and will require a student to apply physics to design and building systems. Each student will go through an engineering model for product development: design, construct, and test. With the completion of a design, the student must use tools and materials to build a functioning prototype that will be tested and evaluated to see if it meets its specified function. It will follow a format leading to an engineering competition.

NAVAL SCIENCE

08451/08452 **Naval Science 1**

Rec Grade Lvl: 9-11

Credit/Sem: 0.5

Prerequisite: None

This course introduces the beginning cadet to the Navy and the NJROTC program. Students will gain an appreciation for the heritage and traditions of America, with recognition of the historically significant role of sea power. By learning the basics of leadership and citizenship, cadets earn a growing sense of pride in their organization, peers, and self.

08461/08462 **Naval Science 2**

Rec Grade Lvl: 10-11

Credit/Sem: 0.5

Prerequisite: 08451/08452

This course helps students establish commendable citizenship standards, high leadership goals, good study habits, and a sense of responsibility; develop appreciation for authority in a democratic society; learn about the organization of and professions in the Navy; and gain a deeper awareness of the vital importance of the world's oceans to the continued economic, political, military, and environmental well-being of the United States.

08471/08472 **Naval Science 3**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: 08461/08462

This course helps students understand the role of the U.S. as a world power in the international political arena through the study of military law, international law, national strategy, sea power, naval operations, intelligence, and counterintelligence.

08481/08482 **Naval Science 4**

Rec Grade Lvl: 12

Credit/Sem: 0.5

Prerequisite: 08471/08472

This course helps senior cadets develop their leadership skills through practical application of concepts and techniques acquired in previous courses and through reading and discussions of advanced leadership topics and themes. Seniors are usually in positions of responsibility and authority within the unit, leading and assisting others.

SUMMER

09851/09852 **Summer Internship Program**

Rec Grade Lvl: 11-12

Credit/Sem: 0.5

Prerequisite: Consent of Coordinator

The Summer Internship Program places students at various career sites. Students chose their internship from over 20 career areas. This summer school course spans the six weeks of the summer school (both semesters). Students receive one credit at the end of the six weeks. All district internships are unpaid and students are responsible for their own transportation.

MISCELLANEOUS

02250 **Preparatory Study Skills** Rec Grade Lvl: 9-12 Credit/Sem: 0.25

Prerequisite: None

Students enrolled in Study Skills will develop strategies for time management, task completion, test preparation, test completion, communication, and problem-solving.

06580 **Service Learning-70 Hours** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This program provides a structured experience in volunteerism, laying the groundwork for involved citizenship. Students will participate in a variety of community service experiences under the supervision and/or monitoring of District 214 coordinators. Students may choose from an extensive array of existing programs and activities, or may individually customize experiences with the assistance and approval of the coordinator. Students will have to log a minimum of 70 hours of service learning within a two-year time frame to receive credit for this course.

08980 **Life & Career Planning - 70 hours** Rec Grade Lvl: 9-12 Credit/Sem: 0.5

Prerequisite: None

This course tracks and documents student participation in the life and career-planning program.