

Madison East High School



Freshman
Program of Studies
2010-2011

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This booklet provides information to students, helping them plan a challenging and appropriate program of study. The process of choosing classes involves consideration of graduation requirements, vocational plans, college entrance requirements, student's abilities and student's interests. We hope that students will make use of this booklet in planning a program of study and also discuss course selection with counselors, teachers and parents.

GRADUATION REQUIREMENTS

The Madison Metropolitan School District requires students to successfully complete 22 credits for graduation from high school. Credits are required in the following areas:

1. **English – 4 credits to include:**

English 9	2 semesters
English 10	2 semesters
English 11	2 semesters
English Elective	2 semesters

2. **Social Studies – 3 credits to include:**

Grade 9	U.S. History – 2 semesters
Grade 10	World History – 2 semesters
Grade 11	U.S. History Since 1950 – 1 semester
Grade 12	Social Studies elective – 1 semester

3. **Mathematics – 2 credits**
Students must complete two years of high school math with a minimum of Algebra and Geometry or Integrated Math 1 and 2 to obtain a diploma.

4. **Science – 2 credits**

5. **Physical Education – 1.5 credits to include:**

Grade 9	Physical Education – 1 semester
Grade 10	Physical Education – 1 semester
Grade 11 or 12	Physical Education elective – 1 semester

6. **Health - .5 credit**

Grade 9	Health – 1 semester (State Requirement)
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Students may fulfill elective requirement by course selection in the following areas:

Business, Marketing & Computers	Music	Art
Family & Consumer Sciences	Reading	Aviation
Foreign Language	Technology	AVID

*We recommend that students earn one credit in each Career/Technology (CTE) area and Fine Arts (FA).
(See page 5 for more details)*

- Refer to appropriate grade-level Course Request Card.
- Make sure you are taking required courses for current grade level:
- Examine the course titles in your Program of Study. Before selecting a course, read the course description. If you still have questions, see a departmental teacher, guidance counselor or administrator. Make course selections with regard to your future plans. Work from a four-year plan (page 3) so you can be sure of getting the courses you need.
- Verify that you have at least 6 credits (any variation must be approved by principal, counselor, and parent)
- We recommend that every East High School student complete at least one credit of career and technology education (CTE) and one credit of fine arts (FA). These courses are marked in the Program of Studies if they fulfill this recommendation. See page 5 for more information.
- If you are college-bound, you will need to be aware of minimum college entrance requirements. (See pages 10-11)
- Prior to completing the scheduling process, parents and guardians are expected to review and sign Course Request Cards. **Please double check course numbers because what is entered on the Course Request Card and into the computer becomes your schedule request.**
- If there are any questions, please seek help from your counselor (page 4) or case manager.

GRADE 9

Semester 1		Semester 2
1	English	English
2	US History	US History
3	Math	Math
4	Biology	Biology
5	*Health	*Physical Education
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

Grade 10

Semester 1		Semester 2
1	English	English
2	World History	World History
3	Math	Math
4	Science	Science
5	Physical Education	Elective:
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

Grade 11

Semester 1		Semester 2
1	English	English
2	*US History Since 1950	*Physical Education
3	Elective:	Elective:
4	Elective:	Elective:
5	Elective:	Elective:
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

Grade 12

Semester 1		Semester 2
1	English Elective:	English Elective:
2	*Social Studies Elective:	Elective:
3	Elective:	Elective:
4	Elective:	Elective:
5	Elective:	Elective:
6	Elective:	Elective:
7	Elective or SH:	Elective or SH:

*Either Semester

**The second required Science and Math courses are recommended to be taken in 10th grade.

STUDENT SUBJECT LOAD

The minimum number of credits that should be scheduled each year is:

Grade 9 --- 6 credits

Grade 10 --- 6 credits

Grade 11 --- 6 credits

Grade 12 --- 5 credits

(assignments for 2010-2011 yet to be determined)

Ms. Gillis 204-1635 lgillis@madison.k12.wi.us	B-C	Ms. Gary 204-1634 kgary@madison.k12.wi.us	D-E L-M
Ms. Kruger 204-1632 ekruger@madison.k12.wi.us	K, N-Q X-Z	Mr. Nash 204-1636 lnash@madison.k12.wi.us	A, F S-V
Ms. Callis 204-1631 mcallis@madison.k12.wi.us	H-J W	Mr. Nigh 204-1633 jnigh@madison.k12.wi.us	G,R ELL

Darlene Vitzthum (Secretary) 204-1638

Kristi Salvisberg (Registrar) 204-1745

Kristi Vitale-Gehardt (Records) 204-1629

Schedule Changes and Procedures

2010-11

Schedule Change Requests

Students are given several days to look through the Program of Studies and to ask questions of parents, teachers, and counselors before making their final selections for the coming year on their Course Request Cards.

Student course selections will be arranged into schedules prior to the end of the school year. Students will receive schedules in the spring of each year. **Any and all schedule changes need to be completed during the month of May, 2010.** See your counselor for schedule changes.

Dropping Classes

- Students cannot drop below required minimum load for their grade level. Drops made from the **1st day of the first week through the 7th week** require written permission of parents, Counselor, Teacher, Assistant Principal, and Case Managers. Students dropping courses after the first week of classes should expect to be placed in study hall.
- Classes cannot be dropped after the 7th week without penalty. Drops after the 7th week will result in a grade of "F" for the semester, which is called an "F-Drop."
- Athletes must check with the athletic office to see if they will still be enrolled in the required amount of courses to enable them to participate in sports. This is a WIAA rule – it is the student's responsibility to ensure they are in compliance.

Student Subject Load

The required minimum number of credits to be scheduled each year in order to graduate on time is:

Grade 9 --- 6 credits

Grade 10 --- 6 credits

Grade 11 --- 6 credits

Grade 12 --- 5 credits

East is a comprehensive high school committed to developing the personal, social, and academic potential of all students. This is accomplished through:

- a challenging, personalized, interactive, multi-cultural curriculum;
- a community-based educational partnership;
- effective coordination of services with community partners.

We believe that the mastery of communication, technological, scientific, rational, creative, and social skills are keys to success in the 21st century. It is recommended that all students plan a high school program of studies which includes not only the most challenging academic curriculum in required content areas, but also the study of **1 credit of Fine Arts (FA) and 1 credit of Career and Technology Education (CTE)**. Many of the required and elective courses will enable our students to meet this recommendation and are labeled with the following acronyms:

FA – Fine Arts Course – fine arts describes a myriad of classes taught by certified music, art, dance, and theatre teachers. Curricular areas were developed within the framework of the Madison Metropolitan School District K-12 Fine Arts Standards for Performance, Visual Arts, Dance, and Theatre.

CTE – Career and Technology Education Designation – Career and technology education is about helping students fulfill their working potential. First and foremost, it is about high school education that provides students with:

- academic subject matter taught with relevance to the real world, often called contextual learning
- employability skills, from job-related skills to workplace ethics
- education pathways that help students explore interests and careers in the process of progressing through school

Career and technology education courses at East High are primarily taught in the Technology Education, Family and Consumer Sciences, Aviation, and Business/Marketing departments. Other departments, such as Art, also offer courses fulfilling this recommendation.

Grade Placement

Beginning in the fall of 1980, the Madison Metropolitan School District instituted a policy stating that grade placement of students depends on the number of credits earned.

Rank in Class/GPA

The student's grade point average (GPA) and rank in class are available after each semester. Grade point average is calculated by equating A=4, B=3, C=2, D=1, F=0. Classes that grade on a pass/fail basis are not included in grade point average. Physical Education classes are included in GPA unless parents sign off on GPA.

Transcript Procedures for Retaken Classes

To increase proficiency/mastery or gain credit, students are allowed to retake a course if an F, D, C, or B grade has been earned. There are three categories of course retakes:

1. The identical course (may be a different instructor) taken during the school year at the next scheduled offering of the course unless an exception is granted by the principal.
2. An "equivalent" course (e.g., Algebra 1) taken during the school year at the next scheduled offering unless an exception is granted by the principal.
3. A summer school "equivalent." High school principals will determine each year those courses in the summer school offering which are "equivalent;" e.g., U.S. History – semester 1 summer school equivalent to U.S. History 9, semester 1.

The transcript for students reflects all the courses taken and grades earned. For categories 1, 2, and 3 retakes, both grades, original and retake, will appear on the transcript. The higher of the two grades, original and retake, becomes the GPA grade. The lower of the two grades is not included in GPA calculations, nor is credit granted.

Incompletes

Students must submit course work for incompletes by the end of the 2nd week following the grading period in which the incomplete was given. Incomplete grades will result in an "F" after the two weeks.

AVID

AVID is a college readiness program for qualifying students to receive support – academic and social – as they develop the faculty for advanced courses in high school. Students in the program enroll in an AVID course where they learn goal setting, note-taking, writing skills, and reading strategies for each of their high school years. Motivational activities include speakers, field trips, college visits, and seminars.

Prerequisites: AVID program students have average to high test scores, a 2.0-3.5 qualifying GPA, college potential with support, desire, and determination. AVID students must also meet one or more of the following criteria: first to attend college, historically underserved in four-year colleges, low income, and/or have special circumstances. Students apply and are admitted into the program beginning with their freshman year. Please see a counselor for the application.

Honors

East High School offers students a vast number of course options to meet needs, interests, and academic standards. Honors Courses (formerly known as TAG courses) offer motivated, willing, and able students opportunities to learn in an environment that demands and supports the following:

- In-depth content study
- Extensive and varied reading
- Critical and analytical discussion
- Increasingly sophisticated research and writing
- A high degree of student independence and responsibility

Many high school TAG students can find classes to meet their academic needs- whether they be honors courses, AP courses, or a variety of content electives. In addition, the MMSD Talented and Gifted department and East's TAG coordinator can work with parents, students, and teachers to create appropriate learning plans.

APPLICATION PROCESS

Students who are informed and intrigued by the Honors Challenge should complete admissions materials for their chosen honors course or courses.

Admissions applications include:

- Specific course requirements
- A self-assessment
- A personal statement or essay
- A teacher recommendation
- WKCE Test Scores or state standardized test scores for transfer students
- Scholastic Reading Inventory Lexile scores

All applications should be submitted to:

Anne Von Bank at East High School
2222 East Washington Avenue
Madison, WI 53704

Submission deadline is mid January. Exact date to be announced.

Admissions Review and Confirmation

An Honors Admissions panel including the Honors/TAG Coordinator, the building principal, and a team of honors teachers will review applications and confirm acceptance in each honors course. Upon acceptance, students will receive additional course information as well as a contract to acknowledge that the student is making an informed decision regarding enrollment in honors classes.

Independent Study

Independent study provides an opportunity for students to pursue a study or research program in areas of their choosing. The Independent Study course may be elected in place of a fifth subject or may be in addition to the required normal load. No more than one-half credit may be earned in Independent Study in one semester and no more than two credits during the whole of high school. To participate in this program, a student first finds an advisor in the department from which he or she desires to earn credit. After securing an application from his/her School Counselor, the student meets with his/her advisor to work out a mutual agreement on objectives, activities, schedules, and evaluation procedures in the form of a contract. Independent Study credit is graded on a pass/fail basis. Independent study can not be granted in lieu of the core academic courses.

MMSD's Madison Virtual Campus

Is online learning right for you? To find out, please visit: <http://www.madison.k12.wi.us/tnl/mvc>. If you have questions, please talk to your counselor or meet with Mr. Phonekeo Siharath, LaFollette HS Online Teacher, psiharath@madison.k12.wi.us, phone: 608-204-3737.

Youth Options

The Madison Metropolitan School District is required to pay for a course taken by a high school student at a post secondary institute if a comparable course is not offered anywhere in the district. Students must be in either 11th or 12th grade to take Youth Options courses. Application deadlines for 11th grade Youth Options classes are met in 10th grade. See counselors for deadlines and additional information.

University of Wisconsin System Admissions Requirements

Subject	Credits
English	4 credits
Mathematics	3*
Natural Science	3*
Social Studies/History	3
College Prep Electives	4 (from above and/or foreign language)

* All UW Systems schools require 3 credits of math and science. Math courses must include Algebra/Trig or Integrated Math 3. UW Madison and UW Eau Claire require two years of a single foreign language for admission and other colleges may require foreign language for college graduation. Consult the individual school and your counselor.

serious study in art and those who want a creative break in their day. Art vocabulary and technique are taught through expressive hands-on art making experiences. Units of study include cardboard design, glass, metal, clay, paper mache, found art, and wire sculpture.

Ceramics and Sculpture 1

ART 111/112 .5 credit Semester 1 Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

This fall semester class introduces basic hand-building, wheel-throwing, surface decoration, and glazing techniques used in making CLAY artwork. Units of study include pinch/coil form, slab/mold form, slab box, and basic wheel-thrown constructions. ***Art 112:** *Students returning/continuing in Ceramics 1 for your second semester will continue to build on prior skills through more advanced problems in wheel-throwing and/or hand-building. Projects may include: lidded forms, plates/platters, donut forms, independent work and a teapot set.*

Ceramics and Sculpture 1

ART 113/114 .5 credit Semester 2 Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

This spring semester class introduces basic hand-building skills with an emphasis on sculpting and modeling clay. Basic wheel-throwing, surface decoration and glazing will also be covered. Units of study include: sculpting clay heads, figures, musical instruments and basic wheel-thrown constructions. ***Art 114:** *Students returning/continuing in Ceramics 1 for your second semester will continue to build on prior skills through more advanced problems in wheel-throwing and/or hand-building. Projects may include: lidded forms, plates/platters, donut forms, independent work and a teapot set.*

Drawing Realistically

ART 151 .5 credit Semester 1 Grade: 9, 10, 11, 12

No Prerequisites

Meets Recommendation: FA

EVERYONE CAN LEARN HOW TO DRAW! The fall semester of Drawing develops the skills for observational drawing and introduces the student to the concept of drawing from "the right side of the brain." Students learn how to draw realistically. Whether you've never drawn in your life or you draw on a regular basis, this class is for you. Your drawing skills will improve by taking this class. Units of study include observational exercises, 2D design, the still life, charcoal portraiture, a self-portrait, and more.

Drawing & Design

ART 152 .5 credit Semester 2 Grade: 9, 10, 11, 12

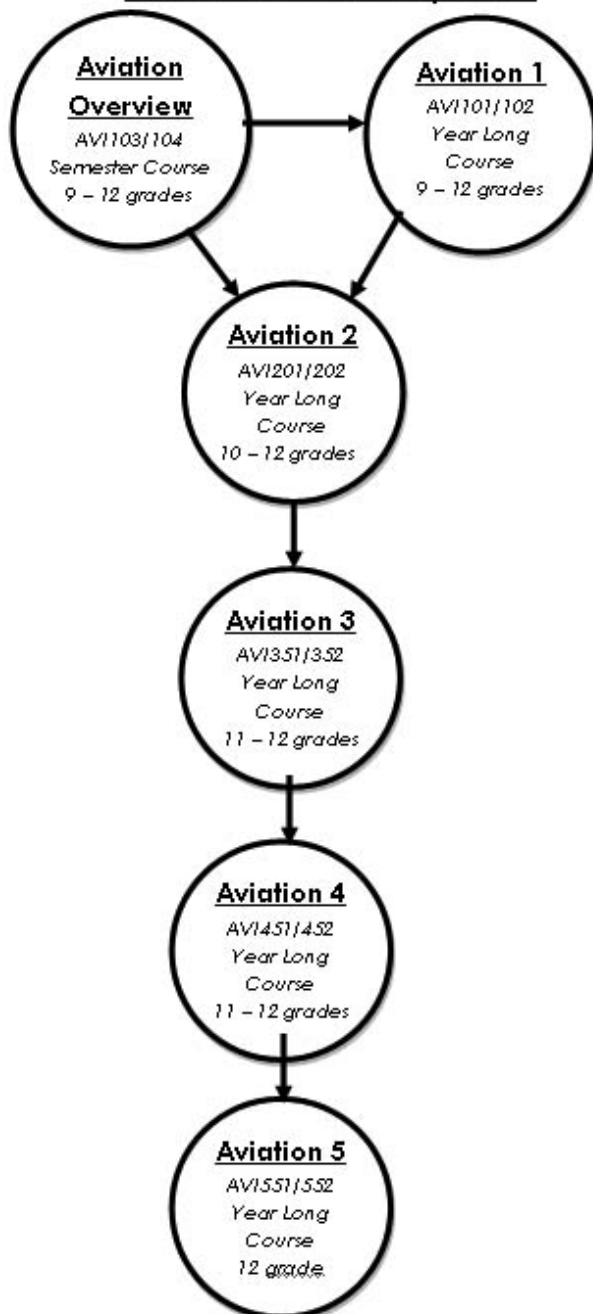
No Prerequisites

Meets Recommendation: FA

EVERYONE CAN LEARN HOW TO DRAW! The spring semester of Drawing explores a variety of drawing materials, drawing with color, using imagination and personal research for image making, and understanding the elements and principles of design. Whether you've never drawn in your life or you draw on a regular basis, this class is for you. Your drawing skills will improve by taking this class. Units of study include 2-D design, color pencils, scratchboard, grid enlargement, and working with a variety of drawing materials.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Aviation Overview	Sem 1 or 2	AVI 103/104	x	x	x	x
Aviation 1	Sem 1 and 2	AVI 101/102	x	x	x	x
Aviation 2	Sem 1 and 2	AVI 201/202		x	x	x
AS Aviation 3	Sem 1 and 2	AVI 351/352			x	x
AS Aviation 4	Sem 1 and 2	AVI 451/452				x
AS Aviation 5	Sem 1 and 2	AVI 551/552				x

Aviation Course Sequence



Aviation Overview

AVI 103/104

.5 credits

Semester 1 or 2

Grade: 9, 10, 11, 12

No prerequisites

This is a semester course designed to explore and experience the many different facets of flight from hobbyist to career professional. Activities include hands on building and flying of models, guest speakers who are pilots, air traffic controllers, aircraft mechanics, and flight attendants to list a couple. Optional Saturday enrichment field trips will be offered for activities such as EAA museum, glider rides, airplane rides and helicopter rides (some cost may be required for these trips and scholarships will be made available).

Aviation 1

AVI 101/102

1.0 credit

Semester 1 and 2

Grade: 9, 10, 11, 12

*No prerequisites**Meets recommendation: CTE*

Aviation and Space Education is for those interested in flight in and out of the earth's atmosphere. Units of study include: history of aviation and space, flight mechanics (why does it fly), career opportunities for you, what you are getting as a taxpayer and traveler, flight planning (how to get from here to there), buying, owning, renting, and repairing aircraft, and building model air and space craft. Orientation flights are available.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Computer Applications	Sem 1 or 2	BUS 100	x	x	x	x
Marketing	Sem 1 and 2	BUS 121/122	x	x	x	x
Personal Finance	Sem 1	BUS 210		x	x	x
Business Law	Sem 1	BUS 220		x	x	x
Accounting	Sem 1 and 2	BUS 241/242		x	x	x
Starting Your Own Business	Sem 2	BUS 301			x	x
Accounting for Dual Transcribed Credit	Sem 1 and 2	BUS 303/304			x	x

Computer Applications

BUS 100 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Some keyboarding experience is recommended.

Meets recommendation: CTE

Learn how to create pictures, sounds, and animation in graphic presentations. Do you know how to create a flyer, a brochure, a business card, or a menu? Learn skills that are often required in business and as a student on college campuses today. Computer Applications is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. These include spreadsheets, database, word processing, desktop publishing, and Powerpoint applications, as well as the Internet. Objectives for the course include performing activities using integrated software programs. Units of study include: Advanced word processing; introduction to spreadsheets, database and power point; basic PC maintenance; peripherals (scanner, digital camera, etc) will be used.

Marketing

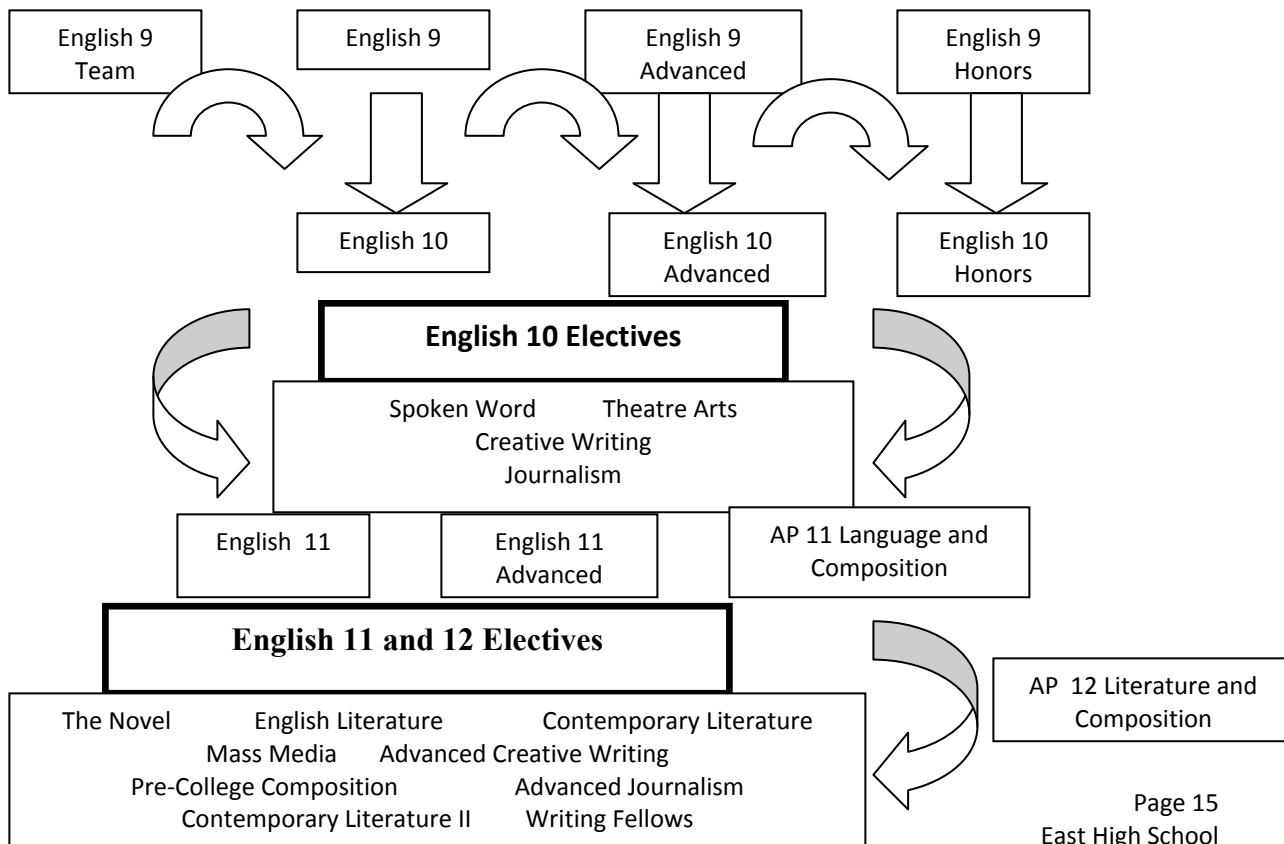
BUS 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

No prerequisites.

Meets recommendation: CTE

Introduce yourself to the exciting world of marketing! You will learn how products are brought from the idea stage to how they become available on store shelves. Everything from distribution to sales will be explored. You will create new products and learn how to market them efficiently. The course includes fun activities like developing newspaper ad layouts, creating displays, and analyzing television and radio ads. This hands-on course will provide the basis for a career in marketing. Students at La Follette, West, and East who are enrolled in this class can also be members of the DECA Chapter at their school, while students at Memorial can join FBLA. Note: At LaFollete and West, Marketing is split into two semester long classes that can be taken in sequence or separately. The two courses are "Marketing and Sales" and "Advertising and Display." At Memorial and East, Marketing is a year-long course.

	Course Name	Semesters Offered	Course Number	Grade Levels				
				09	10	11	12	
REQUIRED COURSES	English 9	Sem 1 and 2	ENG 111/112	x				
	Advanced English 9	Sem 1 and 2	ENG 121/122	x				
	English 9 Honors	Sem 1 and 2	ENG 131/132	x				
	English 10	Sem 1 and 2	ENG 211/212		x			
	Advanced English 10	Sem 1 and 2	ENG 221/222		x			
	English 10 Honors	Sem 1 and 2	ENG 231/232		x			
	English 11	Sem 1 and 2	ENG 311/312			x		
	Advanced English 11	Sem 1 and 2	ENG 321/322			x		
	Language and Composition – Advanced Placement	Sem 1 and 2	ENG 331/332			x		
	Literature and Composition – Advanced Placement	Sem 1 and 2	ENG 433/434				x	
	ELECTIVES	Spoken Word and Contemporary Poetics	Sem 1 or 2	ENG 200		x	x	x
		Introduction to Journalism	Sem 1 or 2	ENG 280		x	x	x
Theater Arts		Sem 1 or 2	ENG 290		x	x	x	
Contemporary Literature 1		Sem 1 or 2	ENG 300			x	x	
Contemporary Literature 2		Sem 2	ENG 302			x	x	
Mass Media Literacy		Sem 1 or 2	ENG 310			x	x	
Pre-College Composition		Sem 1 or 2	ENG 320			x	x	
The Novel		Sem 1 or 2	ENG 330			x	x	
Creative Writing		Sem 1 or 2	ENG 340		x	x	x	
Advanced Creative Writing		Sem 1 or 2	ENG 370			x	x	
Advanced Journalism		Sem 1 or 2	ENG 380			x	x	
English Literature		Sem 1 or 2	ENG 390			x	x	
Writing Fellows		Sem 1 and 2	ENG 441/442			x	x	



Introductory Remarks

All English courses are accepted by the majority of colleges as fulfilling their academic core entrance requirements. It is recommended that the college bound student consider:

- Grade 9 – year-long English 9 or Advanced English 9 or English 9 Honors.
- Grade 10 – year-long English 10 or Advanced English 10 or English 10 Honors.
- Grade 11 – year-long English 11 or Advanced English 11 or Language and Composition—Advanced Placement and consider additional semester-long electives. Consult your English teacher regarding elective choices.
- Grade 12 – year-long Literature and Composition—Advanced Placement or two, semester-long electives that will help your overall language development. Consult your English teacher regarding elective choices.

English 9

ENG 111/112 1.0 credit Semester 1 and 2 Grade: 9

No prerequisite.

Students will be expected to complete reading and writing assignments outside of class. Either this course or Advanced English 9 or English 9 Honors is required for graduation.

This course continues the development of reading, writing skills and critical thinking skills begun in middle school. Students will actively read novels, short stories, poetry, drama and expository texts, identify main ideas and supporting details, and build robust vocabulary, including literary vocabulary. Students will gain experience at asking questions, drawing inferences, and will analyze, synthesize and apply textual elements. Writing is an important part of this class, and students can expect to practice and learn to write in a variety of forms, including essays, reviews, research projects, journals and creative writing. Students will be trained in note taking, collaborative skills and skills aligned with the English Department's scope and sequence. They can expect varied assessments, papers, presentations and discussions in class. Units of study include novels, short stories, poetry, nonfiction, drama, vocabulary, usage, mechanics, expository and creative writing.

Advanced English 9

ENG 121/122 1.0 credit Semester 1 and 2 Grade: 9

No prerequisite.

Students should have good homework habits. Students must be prepared to read, complete homework and work on written assignments outside of class. Students enrolled in this class should be thinking of post high school academic study. Either this course or English 9 or Honors English 9 is required for graduation.

This course includes the current ninth grade curriculum and is designed for and offered to students who are interested in pursuing the study of English in more depth than the regular classes can provide. Because of student motivation and interest in English, more challenging assignments and enriching materials will be used to stimulate creativity and allow for individuality. As a result of this in-depth learning opportunity, higher than average standards of achievement will be expected from students in the study and composition of texts. Because the work will be more challenging and time consuming, the students will be expected to pursue their daily assignments diligently. Units of study include novels, short stories, poetry, nonfiction, drama, vocabulary, usage, mechanics, expository and creative writing.

English 9 Honors (Formerly English 9 TAG)

ENG 131/132 1.0 credit Semester 1 and 2 Grade: 9

Prerequisite: Students must complete Honors committee application process (see page 7 for details).

Students should have good homework habits. Students are expected to read, prepare homework and work on written assignments outside of class. Students enrolled in this class should be thinking of post high school academic study. Either this course or English 9 or Advanced English 9 is required for graduation.

English 9 Honors shares the objectives of English 9 as well as emphasizing essay writing and in-depth analysis of literature. Writing assignments and texts are sophisticated and require an already developed foundation of writing and reading skills. Students are expected to be critical and avid readers. Analysis of literature goes well beyond simple comprehension and literal interpretation. As the course progresses, students will be able to

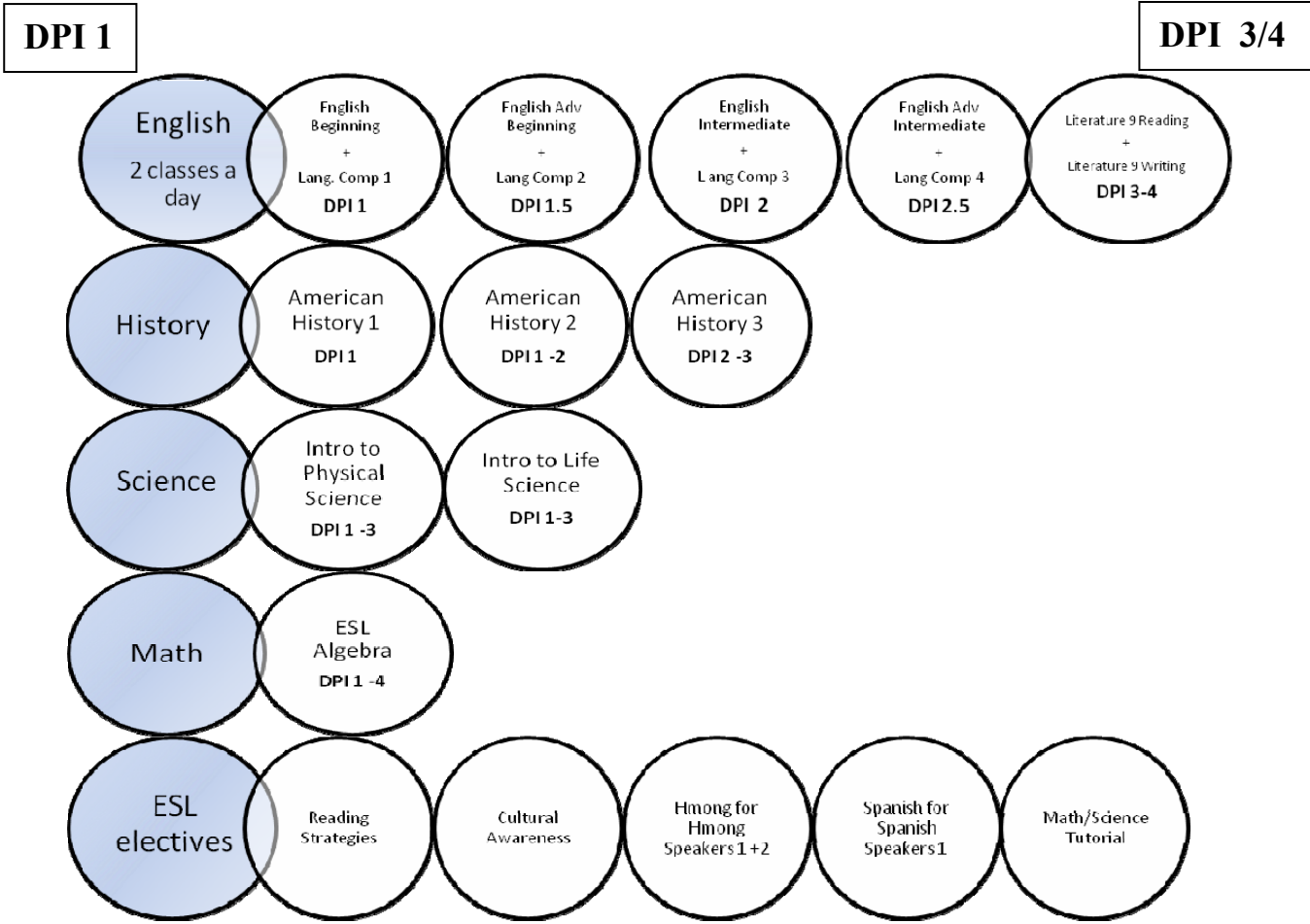
evaluate literature through the use of literary terms and concepts. An emphasis is placed on student participation in small and large group discussion. The formulation and expression of ideas are both necessary and expected. Time management skills must be developed as simultaneous and various deadlines are given. The students will be expected to work outside of class and do collaborative work. Units of study include novels, short stories, poetry, nonfiction, drama, vocabulary, usage, mechanics, expository and creative writing. **(See page 7 for Honors information.)**

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
English-Beginning	Sem 1 and 2	ZSL 121/122	x	x	x	x
Language & Composition – 1	Sem 1 and 2	ZSL 123/124	x	x	x	x
English – Advanced Beginning	Sem 1 and 2	ZSL 131/132	x	x	x	x
Language & Composition – 2	Sem 1 and 2	ZSL 133/134	x	x	x	x
English – Intermediate	Sem 1 and 2	ZSL 141/142	x	x	x	x
Language & Composition – 3	Sem 1 and 2	ZSL 143/144	x	x	x	x
English – Advanced Intermediate	Sem 1 and 2	ZSL 151/152	x	x	x	x
Language & Composition – 4	Sem 1 and 2	ZSL 153/154	x	x	x	x
Literature 9 Reading	Sem 1 and 2	ZSL 161/162	x	x	x	x
Literature 9 Writing	Sem 1 and 2	ZSL 163/164	x	x	x	x
American History & Geography 1	Sem 1 and 2	ZSL 221/222	x	x	x	x
American History & Geography 2	Sem 1 and 2	ZSL 231/232	x	x	x	x
American History & Geography 3	Sem 1 and 2	ZSL 241/242	x	x	x	x
Introduction to Physical Sciences (offered 2010/2011)	Sem 1 and 2	ZSL 351/352	x	x	x	x
Introduction to Life Sciences (offered 2011/2012)	Sem 1 and 2	ZSL 361/362	x	x	x	x
Math and Science Tutorial	Sem 1 and 2	ZSL 371/372	x	x	x	x
Algebra/ELL	Sem 1 and 2	ZSL 421/422	x	x	x	x
Cultural Awareness	Sem 1 and 2	ZSL 511/512	x	x	x	x
ELL Reading Strategies	Sem 1 and 2	ZSL 581/582	x	x	x	x
Spanish for Spanish Speakers 1	Sem 1 and 2	ZSL 611/612	x	x	x	x
Hmong for Hmong Speakers 1	Sem 1 and 2	ZSL 621/622	x	x	x	x
Hmong for Hmong Speakers 2	Sem 1 and 2	ZSL 623/624	x	x	x	x

The ESL/Bilingual Program offers non-remedial, sheltered courses in language arts, social studies, science, and math to English Language Learners on the basis of language proficiency. The English language proficiency levels are determined by the WIDA ACCESS Placement Test.

East High's ESL course descriptions indicate a range of language proficiency levels which correspond to the English proficiency required for understanding course content. The range may be used as a general guideline for student placement; however, the ACCESS assessment is not always an accurate reflection of an individual student's English language and academic skills. Teacher discretion should also be used for placement of students into appropriate courses.

Level 1	Entering No English	The student does not understand or speak English with the exception of a few isolated words or expressions.
Level 2	Beginning	The student understands and speaks conversational and some academic English with hesitancy and difficulty.
Level 3	Developing – Intermediate	The student understands and speaks conversational and academic English with decreasing hesitancy and difficulty and is developing reading comprehension and writing skills in English. The student's literacy skills allow the student to demonstrate academic knowledge in content areas with assistance.
Level 4	Expanding – Advanced Intermediate	The student understands and speaks conversational English without apparent difficulty, understands and speaks academic English with some hesitancy, and requires assistance to fully demonstrate knowledge in content area.
Level 5	Bridging – Advanced Mainstream w/ support	The student understands and speaks conversational and academic English well, but may still need support to succeed in mainstream classes.
Level 6	Exiting Mainstream no support	The student no longer needs support in mainstream classes.



English-Beginning

ZSL 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1. Signature of ELL Department required.

This class helps you practice oral English with the use of basic English grammar in simple present tense, present progressive tense, and past tense. You will use the vocabulary learned in this class to practice asking and answering questions. You will also read short stories that have familiar vocabulary words you have learned in this class. Along with this class, you need to take the Language and Composition 1 class.

Language & Composition – 1

ZSL 123/124 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1. Signature of ELL Department required.

This class teaches you how to write in English by using important skills such as listening, speaking, reading, and writing so you can write effectively in class and outside of the classroom. Along with this class, you need to take the English Beginning class.

English-Advanced Beginning

ZSL 131/132 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

In this class, you will have more opportunities to continue practicing oral English with the new vocabulary you have learned. You will learn more grammar points and write more complex sentences. You will also read short fiction and drama. Along with this class you need to take Language and Composition 2.

Language & Composition – 2

ZSL 133/134 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

This class teaches you how to better write in English when you use the writing process to jot down your ideas, write them in an orderly manner, revise and publish them in various forms such as journal, letter, expository, descriptive, etc. Along with this class you need to take the English-Advanced Beginning class.

English – Intermediate

ZSL 141/142 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2. Signature of ELL Department required.

This English intermediate class gives you the opportunity to analyze how the different parts of a sentence are formed together so they make sense. You need to use listening, speaking, reading, and writing skills to achieve in the classroom and outside of class. Along with this class you need to take Language and Composition 3.

Language & Composition – 3

ZSL 143/144 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2. Signature of ELL Department required.

This class gives you the opportunity to further your knowledge and writing skills by using different writing strategies and skills (listening, speaking, reading, and writing) as well as various forms of writing (journal, letter, expository, etc.) to help you write academic and non-academic works. Along with this class you need to take the English-Intermediate class.

English – Advanced Intermediate

ZSL 151/152 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2, 3. Signature of ELL Department required.

This course offers you the opportunity to extend and expand knowledge practice use and better control of English *grammar* to succeed in high school and in environments and situations outside of school. Emphasis is placed on understanding and using grammar in spoken and written context while also developing listening and reading skills in order to achieve academic and social goals. Along with this class you need to take the Language and Composition 4 class.

Language & Composition – 4

ZSL 153/154 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2, 3. Signature of ELL Department required.

This course offers you the opportunity to extend their knowledge and practical use of *writing* to better function and succeed in high school and in environments and situations outside of school. Emphasis is on writing with attention also given to listening, speaking, and reading English to achieve academic and social goals. Units of study include writing strategies and skills, writers' tools, various forms of writing (journal, letter, biographical, expository, descriptive, persuasive, poetry, TV/film), composing on computers, and publishing. Along with this class you need to take English – Advanced Intermediate

Literature 9 Reading

ZSL 161/162 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 3, 4. Signature of ELL Department required.

The intent of this course is to parallel as closely as possible the reading list of mainstream English 9. Students will also review grammar and functions as they come up in the literature. Texts will include novels and plays studied in the mainstream English 9 curriculum as well as short stories representing a variety of culture.

Literature 9 Writing

ZSL 163/164 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 3, 4. Signature of ELL Department required.

This class is designed to support advanced ELL students who are concurrently enrolled in Literature 9. Students will get support for Literature 9/ELL Tutorial class in reading, writing, vocabulary, and grammar.

American History & Geography 1

ZSL 221/222 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1. Signature of ELL Department required.

This class is designed for students who have been in the U.S. approximately 1 year or less. Through our study of the seasons, Pacific States, Mountain States, The Great Plains and Midwest, The South, and the Northwest we will work to build student basic social studies academic vocabulary through reading, writing, and speaking exercises.

American History & Geography 2

ZSL 231/232 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI high 1, 2. Signature of ELL Department required.

This class is for ELLs new to the United States who did not study U.S. History in eighth grade. The course covers the first half of U.S. History (ancient peoples through the Civil War) to prepare students for U.S. History 9, which begins after the Civil War. Essential concepts of government and civics are emphasized, helping prepare students to pass the U.S. Citizenship exam as well. Units of study include the Ice Age, American Indians, Colombian Exchange, 13 Colonies, American Government, Westward Expansion, Slavery and the Civil War.

American History & Geography 3

ZSL241/242 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 3, 4. Signature of ELL Department required.

In this class we will study the history of the United States from Reconstruction until World War II. You will learn about how different domestic and world events affected the lives of African Americans, American Indians, immigrants, women, and workers in the United States. Emphasis is placed on reading comprehension, vocabulary building, and writing in the content area.

Introduction to Physical Sciences

ZSL 351/352 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

This class is for beginner and intermediate English students. In this class we will learn about matter, elements, and forces. There is a focus on hands-on activities and vocabulary. This class is offered every-other-year, alternating with Introduction to Life Sciences.

Introduction to Life Sciences

ZSL 361/362 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

This class is for beginner and intermediate English students. This course is an introduction to biology-the study of living things. You will learn about plants and animals and how they interact with their environment. This class is offered every-other-year, alternating with Introduction to Physical Sciences.

Math and Science Tutorial

ZSL 371/372 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This course supports ELLs who are currently enrolled in any science or math class. To receive credit, students must receive passing grades in all of their math and science classes.

Algebra/ELL

ZSL 421/422 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2. Signature of ELL Department required.

Learn algebra and improve your English skills at the same time! Algebra topics that you will learn include linear equations, inequalities, systems of equations, quadratic equations, exponents, exponential equations and more. Through conversations, reading, writing, charts, graphs and equations you will learn many ways to solve and explain algebraic problems. You will earn the same credit as mainstream algebra so you'll be ready for geometry!

Cultural Awareness

ZSL 511/512 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 3. Signature of ELL Department required.

In this course we will learn about our own cultures and what it means to be multicultural literate citizens. We will read books by immigrants, who have become important authors and scholars, as well as passages from books on prestigious lists (e.g. Americas, Printz, Coretta Scott King Awards, and the Newbery Medal). Students will be encouraged to participate in clubs and activities according to their individual interests. Culture is a participatory activity in this class.

ELL Reading Strategies

ZSL 581/582 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 2, 3. Signature of ELL Department required.

This class is designed for intermediate ELL's. ELLs in this course will strengthen reading comprehension and vocabulary competencies. Explicit instruction on reading strategies as well as vocabulary expansion and the writing process will be the main focus of this course.

Spanish for Spanish Speakers 1

ZSL 611/612 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This class is for Spanish speakers who wish to improve their native language skills, specifically in the area of reading and writing. Students will practice various types of writing including, journal, letter, biographical, expository, descriptive, persuasive, and poetry.

Hmong for Hmong Speakers 1

ZSL 621/622 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This class is for Hmong speakers who wish to improve their native language skills. In this class, students will develop awareness and knowledge of the history, origins, extent, and importance of the Hmong Language. Students will gain knowledge, linguistic accuracy, and fluency in informal and formal oral and written language.

Hmong for Hmong Speakers 2

ZSL 623/624 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

DPI 1, 2, 3, 4, 5. Signature of ELL Department required.

This class is for Hmong speakers who wish to extend their knowledge about Hmong literacy. Students will deepen their understanding and knowledge of Hmong history, beliefs, and culture by reading Hmong and non-Hmong texts as well as by discussing and writing about Hmong issues.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Clothing Construction & Careers	Sem 1 or 2	FCS 100	x	x	x	x
Interior Design & Entrepreneurship (offered 2011-12)	Sem 1 or 2	FCS 110	x	x	x	x
PEP Leadership 1	Sem 1	FCS 121	x	x	x	x
Culinary Basics	Sem 1 or 2	FCS 130	x	x	x	x
Child Development 1	Sem 1	FCS 211		x	x	x
Child Development 2	Sem 2	FCS 212		x	x	x
Introduction to Health Science Occupations	Sem 1 or 2	FCS 230		x	x	x
Health Information Office Assistant (offered 2011-12)	Sem 1 or 2	FCS 240		x	x	x
Nursing Assistant	Sem 1 or 2	FCS 250		x	x	x
Health Science Occupations 2	Sem 1 or 2	FCS 260		x	x	x
Gourmet Chef 1 Prostart	Sem 1 or 2	FCS 270		x	x	x
International Cuisine	Sem 1 or 2	FCS 280		x	x	x
Human Sexuality	Sem 1	FCS 301			x	x
PEP (Peers Education Peers)	Sem 1 or 2	FCS 310			x	x
AS Careers with Children	Sem 2	FCS 352			x	x
Gourmet Chef 2 Prostart	Sem 1 or 2	FCS 370			x	x
Career Internship	Sem 1 or 2	FCS 380			x	x
Independent Living	Sem 1 or 2	FCS 400				x

Clothing Construction & Careers

FCS 100 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
No prerequisites. Meets Recommendation: CTE

Non-sewers and all levels of sewing ability welcome.
Lab fee: \$20. Students may also wish to purchase project materials during our fabric store fieldtrip.
 Students will learn to use a sewing machine and pattern to plan and complete garments which fit into their personal wardrobe while applying their skills and knowledge to the world of work. Clothing construction, repair, re-design and consumer skills are emphasized. A variety of career options in the clothing and fashion industries are explored. Each student will complete at least one machine sewing project using a pattern and construction skills. Advanced students may work ahead on new skills independently. Units of study include: fabrics and their care, line and design, color, pattern selection, clothing construction, and careers.

Interior Design & Entrepreneurship

FCS 110 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
No prerequisites. Meets Recommendation: CTE

This course is only offered every other year.
Students must purchase their own project materials.
 This course is open to both males and females interested in design—whether it’s studying housing, interior design, or creative hand crafts for the home. The only prerequisite is an interest in trying new things! Are you a creative person? Looking for an opportunity to try new crafts and explore the possibility of entrepreneurship in your future? This class is for you! This course will provide you an opportunity to study how environments affect people and what factors influence your choices. Learn ways to select and beautify your surroundings and save money while having fun. Units of study include: design experiences in architecture, furniture arrangement, color selection, weaving techniques, needlework, fabric dyeing, floral arrangement, etc.

PEP Leadership 1

FCS 121 .5 credit Semester 1 Grade: 9, 10, 11, 12

Prerequisite: Signature of instructor. A designated middle school person will recommend 8th grade students to liaison person at the high school. (call with questions: Natalie Aguirre 204-1524):

PEP Leadership 1 is to prepare students for leadership roles in schools, the community and as future teachers. A main component of the class will be a “hands-on” tutoring/mentoring program at feeder elementary schools. This team-taught class uses cooperative experiences to facilitate interactive learning. Units of Study include: The class will focus on leadership, education, race issues, choices and impacting

Culinary Basics

FCS 130 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Lab fee: \$20.

Meets Recommendation: CTE

No prerequisites.

This is the first in a recommended series of foods classes focusing on the basics of food preparation and nutrition. Students will have the privilege of a kitchen laboratory experience approximately once per week as they “eat their way around the food pyramid.” Designed for those who want to take higher level courses as well as those who love to cook. This course prepares you for International Cuisine or Gourmet Chef 1 ProStart. Units of Study include: The importance of food, nutrition, eating disorders, food safety, kitchen safety, cooking equipment, cooking terms, reading a recipe, table manners, menu planning, quick breads, yeast breads, vegetables, fruits, dairy products, eggs, meat/poultry, bakeshop: cookies, tarts.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
French 1	Sem 1 and 2	FOR 101/102	x	x	x	x
French 2	Sem 1 and 2	FOR 121/122	x	x	x	x
French 3	Sem 1 and 2	FOR 201/202		x	x	x
French 4	Sem 1 and 2	FOR 301/302			x	x
French 5	Sem 1 and 2	FOR 401/402				x
French Language Advanced Placement	Sem 1 and 2	FOR 461/462				x
Facilitated Foreign Language	Sem 1 and 2	FOR 331/332		x	x	x
Spanish 1	Sem 1 and 2	FOR 111/112	x	x	x	x
Spanish 2	Sem 1 and 2	FOR 131/132	x	x	x	x
Spanish 3	Sem 1 and 2	FOR 211/212		x	x	x
Spanish 4	Sem 1 and 2	FOR 311/312			x	x
Spanish 5	Sem 1 and 2	FOR 411/412				x
Spanish Language Advanced Placement	Sem 1 and 2	FOR 463/464				x

Students may elect from several foreign languages offered at East High School – French, Spanish or Facilitated Language Study. Instruction in French and Spanish is given in a four-year sequence, from beginning to advanced. Facilitated Language Study is described below. Placement of incoming 9th graders in the appropriate level of French or Spanish is determined by middle school teacher’s recommendations or by a placement test given during the spring semester preceding the student’s enrollment at East.

The study of a foreign language involves learning new terminology, how to interpret information, decoding language, making meaning of text, and interpreting visual cultural cues. Basic skills of communication, team building, cooperation, respect for others, and tolerance for differences are all marketable skills developed in the foreign language classroom. Foreign language students also develop competencies in information technologies. Both the Madison Metropolitan School District and the community are aware that foreign language study better prepares students to participate in the global community.

French 1

FOR 101/102 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

*This course is open to students with **no** previous foreign language experience.*

This is an introductory course that will help students develop skills in listening, speaking, reading and writing French and explore the culture of the French-speaking world. Emphasis is on listening comprehension and speaking skills to develop communicative competency. Instruction is in French, relying on pictures, gestures and conversations to ensure comprehension. Students eventually start to use the structure of the language to communicate simple ideas and apply strategies to read and write simple paragraphs and stories. Learning is enhanced through the use of authentic materials from French-speaking countries. Units of study include: practical thematic units include food, clothing, school, family and home, and travel. Students will communicate in the present and near future tenses. Cultural elements of Africa, Canada, Louisiana, and France are studied.

Spanish 1

FOR 111/112 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

*This course is open to students with **no** previous foreign language experience.*

This is an introductory course that will help students develop skills in listening and understanding, speaking, reading, and writing Spanish. Emphasis is on listening comprehension, speaking, and using practical vocabulary and grammar to develop communicative competency. Learning may be enhanced through web-based activities. Students become familiar with the structure of the language and how it serves to communicate

ideas and culture. Units of study include: classroom objects, basic adjectives, colors, numbers, days and months, telling time, clothing, food, family, professions, animals, and introductory geography/culture depending on individual teachers.

French 2

FOR 121/122

1.0 credit

Semester 1 and 2

Grade: 9, 10, 11, 12

Prerequisite: Successful completion of French 1.

This course will help students improve proficiency in listening, speaking, reading and writing French and explore the culture of the French-speaking world. The majority of instruction is in French, and students continue to improve communicative competency in the language through meaningful oral and written communication. Students will review and expand on concepts learned in French 1 including the reading of a novel to further stretch language skills through context. Learning is enhanced through the use of authentic materials from French-speaking countries. Units of study include: Practical thematic units include hobbies and pastimes, health, travel and telecommunication. Students will communicate in the present, past and near future tenses. French influence in Wisconsin and around the world will be studied through geography, history and popular culture.

Spanish 2

FOR 131/132

1.0 credit

Semester 1 and 2

Grade: 9, 10, 11, 12

Prerequisite: Successful completion of Spanish 1.

Students will continue to increase their knowledge of vocabulary, the structure of language, and to improve their proficiency in the four basic skills: listening, speaking, reading, and writing. Videos, CDs and web-based activities will be used to expand language acquisition. Units of study include: active participation using oral and written forms, reading, comprehending, and discussing information learned from authentic materials. Students will narrate and describe in present, past, and future time frames in oral and written forms.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Library Media Assistant	Sem 1 or 2	LMC 101/102	x	x	x	x
Audio/Visual Assistant	Sem 1 or 2	LMC 111/112	x	x	x	x

Library Media Assistant

LMC 101/102 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Signature of instructor required. Number is limited by the instructor.

Practical work experiences train the student to use library skills and to perform library assistant duties; for example: checking in and checking out LMC materials, shelving books (fiction, nonfiction, reference), AudioVisual materials, periodicals, etc. LMC staff gives individualized instruction. Students will need to work independently at times. Because this is a work credit course, good attendance is a grade factor.

Audio/Visual Assistant

LMC 111/112 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

Signature of instructor required. Number is limited by the instructor.

Practical work experiences train the student to use and help others with audio-visual materials. AV staff gives individualized instruction. Student will need to work independently at times. Because this is a work-credit course, good attendance is a grade factor.

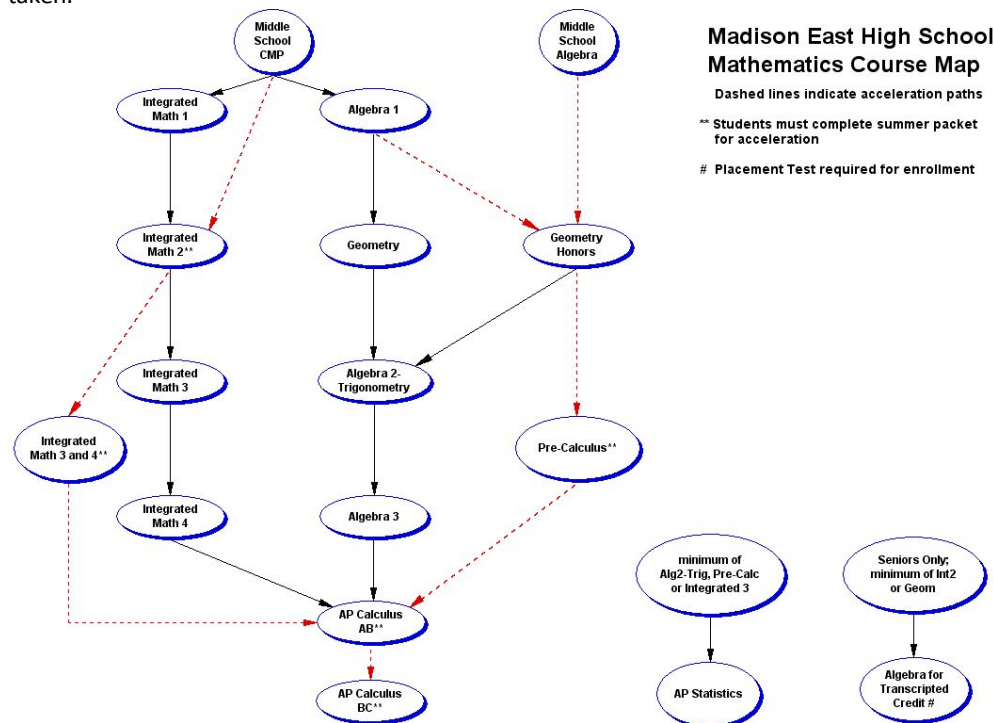
Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Algebra 1	Sem 1 and 2	MAT 111/112	x	x	x	
Integrated Math 1	Sem 1 and 2	MAT 131/132	x	x	x	
Geometry	Sem 1 and 2	MAT 211/212	x	x	x	x
Geometry Honors	Sem 1 and 2	MAT 221/222	x	x		
Integrated Math 2	Sem 1 and 2	MAT 231/232	x	x	x	x
Algebra 2/Trigonometry	Sem 1 and 2	MAT 311/312		x	x	x
Integrated Math 3	Sem 1 and 2	MAT 331/332		x	x	x
Pre-Calculus	Sem 1 and 2	MAT 361/362		x	x	x
Algebra 3	Sem 1 and 2	MAT 411/412			x	x
Integrated Math 4	Sem 1 and 2	MAT 431/432			x	x
Algebra Concepts for Transcribed Credit	Sem 1 and 2	MAT 511/512				x
Calculus AB – Advanced Placement	Sem 1 and 2	MAT 521/522			x	x
Calculus BC – Advanced Placement	Sem 1 and 2	MAT 531/532				x
Statistics – Advanced Placement	Sem 1 and 2	MAT 541/542			x	x

Students must complete two years of high school math with a minimum of Algebra and Geometry or Integrated Math 1 and 2 to obtain a diploma. Because these two paths cover material in different sequences, students cannot switch from one path to another in the first two years. For example, a student cannot take Algebra 1 and then Integrated 2.

Although the Integrated path and the more traditional path (Algebra 1, Geometry, Algebra/Trig, etc.) use different curricula and present concepts in a different sequence, both paths prepare students for success at East, for post-secondary studies, and provide equivalent acceleration paths to our AP courses.

This diagram indicates the paths that most students take in the mathematics department. While the indicated paths are the most common, there are occasions when students may take different paths. This must be done with the consent of the mathematics department.

Continued progress along the acceleration paths is dependent on high achievement in the classes that are taken.



Algebra 1

MAT 111/112 1.0 credit Semester 1 and 2 Grade: 9, 10, 11

Algebra 1 and Geometry will satisfy requirement for graduation. Graphing calculator (TI-83 or 84) needed.

This is a comprehensive course of Algebra. Extensive work with equations is required of all students. Passing BOTH Semesters of Algebra 1 is required to advance to Geometry. Units of study include: slope, inequalities, graphs, linear, quadratic and exponential equations.

Integrated Math 1

MAT 131/132 1.0 credit Semester 1 and 2 Grade: 9, 10, 11

Integrated Math 1 and 2 are comparable to Algebra 1 and Geometry; they will satisfy the math requirement for graduation. Graphing calculator (TI-83 or 84) needed.

The Integrated Math Series (1, 2, 3, and 4) incorporates mathematical topics covered in Algebra, Geometry, Statistics, Trigonometry, and Pre-Calculus. Emphasis is on problem solving, applications, concepts and communication in a technology-driven world. Group work is an essential part of the course. Units of study include: algebra, statistics, linear functions, geometry, and probability.

Geometry

MAT 211/212 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

Prerequisite: Successful completion of both semesters of Algebra 1. Algebra 1 and Geometry will satisfy the math requirement for graduation.

This course is in the Algebra-Geometry sequence. This course develops and presents proofs, geometric relationships, and coordinate geometry. The students will be expected to learn proofs, postulates, theorems, formulas, and the properties of triangles. There will be emphasis placed on applications. Units of study include: areas, volumes, Pythagorean Theorem, plane figure, similarity and congruence, right triangle trigonometry, and transformations.

Geometry Honors

MAT 221/222 1.0 credit Semester 1 and 2 Grade: 9, 10

*Prerequisite: Successful completion of Algebra 1, signature of Algebra 1 instructor.**May not receive credit for both Geometry Honors and Geometry. Algebra 1 and Geometry will satisfy the math requirement for graduation.*

This course is a challenging course for academically-motivated students who enjoy math, are fluent in Algebra, and have good homework skills. This fast-paced course includes all topics from Geometry (MAT211/212). Students will cover additional topics and will be required to complete projects. Units of study include: transformations, proofs, logic, geometric relations/properties, triangle trigonometry, and coordinate geometry. **(See page 7 for Honors information.)**

Integrated Math 2

MAT 231/232 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12

Prerequisite: Successful completion of Integrated Math 1. This course is a continuation of Integrated Math 1. Students with strong performance in 8th grade CMP may take this class as an accelerated path with signature of instructor and summer packet completion. Graphing calculator (TI-83 or 84) needed.

This second year of a 4-year series covers Algebra, Geometry, Statistics, Trigonometry, and Pre-calculus. Emphasis on Linear (Matrix) Algebra, Network Optimization, Geometry, and applications, communication and problem solving strategies used in science, mathematics and computer science. Group work skills are essential. Units of study include: matrix models, transformations, linear regressions, quadratic equations, similarity, and trigonometry.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Beginning Instrumental Music	Sem 1 or 2	MUS 102	x	x	x	x
Symphonic Band	Sem 1 and 2	MUS 103/104	x	x	x	x
Guitar 1	Sem 1 or 2	MUS 105	x	x	x	x
Hand Drumming	Sem 1 or 2	MUS 106	x	x	x	x
Chorale	Sem 1 and 2	MUS 111/112	x	x		
Select Women’s Choir	Sem 1 and 2	MUS 121/122	x	x	x	x
Concert Orchestra 9	Sem 1 and 2	MUS 141/142	x			
Music Theory – Advanced Placement	Sem 1 or 2	MUS 151	x	x	x	x
Encore	Sem 1 and 2	MUS 181/182	x	x	x	x
Sinfonietta	Sem 1 and 2	MUS 191/192			x	x
History of American Popular Music	Sem 1 or 2	MUS 200		x	x	x
Concert Band	Sem 1 and 2	MUS 201/202		x	x	x
Mad City Swing (Women’s Show Choir)	Sem 1 and 2	MUS 211/212	x	x	x	x
Symphony Orchestra 10	Sem 1 and 2	MUS 241/242		x		
Concert Choir	Sem 1 and 2	MUS 281/282		x	x	x
Symphony Orchestra 11/12	Sem 1 and 2	MUS 341/342			x	x

Beginning Instrumental Music

MUS 102 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
No prior musical experience necessary. Meets Recommendation: FA
There is a rental fee for students who do not own an instrument.

This course is designed for students who would like to learn how to play an instrument. Instruments available include flute, oboe, clarinet, trumpet, saxophone, french horn, trombone, baritone, tuba, and percussion.

Symphonic Band

MUS 103/104 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Participation in Middle School Band. Meets Recommendation: FA
Performances are required.

Symphonic Band is the freshman band at East High School. This band performs literature written for the younger wind band. Members of Symphonic Band will also participate in the Purgolder Pep Band and can choose to participate in East High Jazz and the district solo and ensemble festival. This is a preparatory class for membership in Concert Band and Sinfonietta. 10th, 11th, and 12th grade students may enroll in this course on a secondary instrument.

Guitar 1

MUS 105 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Meets Recommendation: FA

This class is designed for students who would like to learn how to play on acoustic guitar. A guitar will be provided but students may also bring their own acoustic guitar.

Hand Drumming

MUS 106 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Meets Recommendation: FA

This course examines the musical styles of hand drumming developed in Africa and the Carribean countries, and South America. Instruments to be studied include the congas, bongos, shekere, claves, and timbales. Students will also learn the samba, bassa nova, and other unique hand drumming styles.

Chorale

MUS 111/112 1.0 credit Semester 1 and 2 Grade: 10, 11
No audition is required; Performances are required. *Meets Recommendation: FA*
Recommendation of middle school music teacher is expected.

Chorale is a choir comprised of men and women who are dedicated to developing their singing and performance skills. Freshmen are strongly encouraged to enroll in Chorale. The choir sings a variety of enjoyable, meaningful literature and performs at least one required concert per quarter. The course places an emphasis on vocal technique, breath management, music literacy, team building and the development of disciplined performance habits.

Select Women's Choir

MUS 121/122 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Performances are required in at least one concert per quarter.

Upper classmen ensemble; freshmen women with a strong musical background are encouraged to audition with the director. Women's Choir is a group that blends together the love and joy of music with the desire to share the beauty of singing in a team setting. This choir performs the finest SSA/SSAA choral literature available for high school treble choirs as well as popular, contemporary music. This course places an emphasis on working together cooperatively to gain a high of musicianship, vocal independence, performance technique, and music literacy. Members are also given the opportunity to participate in solo/ensemble.

Concert Orchestra 9

MUS 141/142 1.0 credit Semester 1 and 2 Grade: 9
Prerequisite: participation in Middle School Orchestra. *Meets Recommendation: FA*
Performances are required in at least one concert per quarter.

The concert orchestra is open to all 9th grade students with previous string performance experience or private lessons. The group will study music (including history, theory, technique, musicality, and performance practices) through the performance of quality literature. Emphasis will be placed on the musical and technical development of the student.

Music Theory – Advanced Placement

MUS 151 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
No prior musical experience necessary.

This AP course studies the basic concepts of theory including scales, note reading, clefs, chord, transposition, 4-part writing, formal analysis, and ear training. Computers are also used to explore the technology side of music theory.

Encore

MUS 181/182 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Signature of instructor required. *Meets Recommendation: FA*
Membership by audition only; performances/competitions are required.

The East High Show choir represents the best in co-curricular activities for students. This specialized show ensemble comprises of 40 singers/dancers (20 men and 20 women). This group is open to students by AUDITION ONLY. The group is fully choreographed by a professional choreographer. Dance rehearsals are every Monday evening from 6:00-8:30 pm throughout the duration of the school year. There are uniform, dance instruction and travel fees. In addition to performing for school concerts and the Midwest show choir competitions, "ENCORE" is proud to perform for civic, service, and social organizations within our community. The "ENCORE" Show choir also competes at 3-4 major show choir competitions throughout the performance season, as well as presenting their own full-length variety show each spring. This class focuses on complete vocal independence, team building, development of stage character and personality, advanced vocal delivery, stage movement, and sophisticated choreography.

Mad City Swing (Women’s Show Choir)

MUS 211/212

1.0 credit

Semester 1 and 2

Grade: 9, 10, 11, 12

Signature of instructor required.

Meets Recommendation: FA

Performances are required and Mad City Swing performs in at least one required concert per quarter. A minimal purchase of dance shoes will be necessary.

Mad City Swing is a specialized, entertainment ensemble comprised of 30 female singers/dancers. This group is professionally choreographed and students should have a love for both singing and dancing. Music performed in this group is of a specific genre-Broadway, contemporary popular music, and jazz standards. The group will produce three or four staged/choreographed show sets a year focusing on vocal tone/production, delivery, microphone technique, stage movement, team building, dance, and cleaning and polishing each show set.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Physical Education 9	Sem 1 or 2	PHY 100	x			
Health Education 9	Sem 1 or 2	PHY 120	x			
Specialized Physical Education	Sem 1 or 2	PHY 140	x	x	x	x
Physical Education 10	Sem 1 or 2	PHY 210		x		
Weight Training/Conditioning	Sem 1 or 2	PHY 301/302			x	x
Advanced Team Sports – Girls	Sem 1 or 2	PHY 303/304			x	x
Advanced Team Sports – Boys	Sem 1 or 2	PHY 311/312			x	x
Individual/Dual Sports	Sem 1 or 2	PHY 313/314			x	x
Social Dance	Sem 1 or 2	PHY 315/316			x	x
Ropes Climbing Course	Sem 1 or 2	PHY 321/322			x	x
Outdoor Pursuits	Sem 1	PHY 324			x	x
Swimming/Water Aerobics	Sem 1 or 2	PHY 325/326			x	x

Physical Education 9

PHY 100 .5 credit Semester 1 or 2 Grade: 9

No prerequisites. Required of all 9th grade students.

Physical Education at East High School is designed to give students fitness, knowledge, and game experiences within a comprehensive series of offerings. Units of study include: fitness, swimming, volleyball, basketball, project adventure cooperative games, soccer, floor hockey, ultimate Frisbee, and games.

Health Education 9

PHY 120 .5 credit Semester 1 or 2 Grade: 9

No prerequisites. Required of all 9th grade students.

The health course is designed to improve knowledge and attitudes in ways that facilitate decision making and positive health behaviors. Units of study include: physical health, community and environmental health, mental health, nutrition, personal safety and emergency care, human sexuality, and alcohol and other drugs.

Specialized Physical Education

PHY 140 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12

No prerequisites.

Signature of case manager required. Participation must be cleared through physician and instructor.

This course is designed for students who due to medical or educational reasons need specialized support to participate in physical education activities.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Read/Study Strategies	Sem 1 or 2	RDG 100	x			
READ 50 – 1	Sem 1 or 2	RDG 151/152	x	x		
READ 50 – 2	Sem 1 or 2	RDG 251/252		x		
Speed Read/College Study	Sem 1 or 2	RDG 300			x	x
ACT/SAT Test Taking	Sem 1 or 2	RDG 302			x	x

Read/Study Strategies

RDG 100 .5 credit Semester 1 or 2 Grade: 9

This class is appropriate for average readers to struggling students who are committed to academic improvement. Students qualifying for READ 180 should not enroll in this course.

This course offers students the opportunity to increase high school academic success through exploration of successful strategies for learning in each of their classes. Students will improve general reading and study skills through intensive work with the following: time management; organization; memory building; vocabulary study; reading comprehension; note and test taking strategies. First quarter will focus on explicit skill instruction and application. Second quarter will evolve into a guided study atmosphere with students applying strategies to their real- world high school demands.

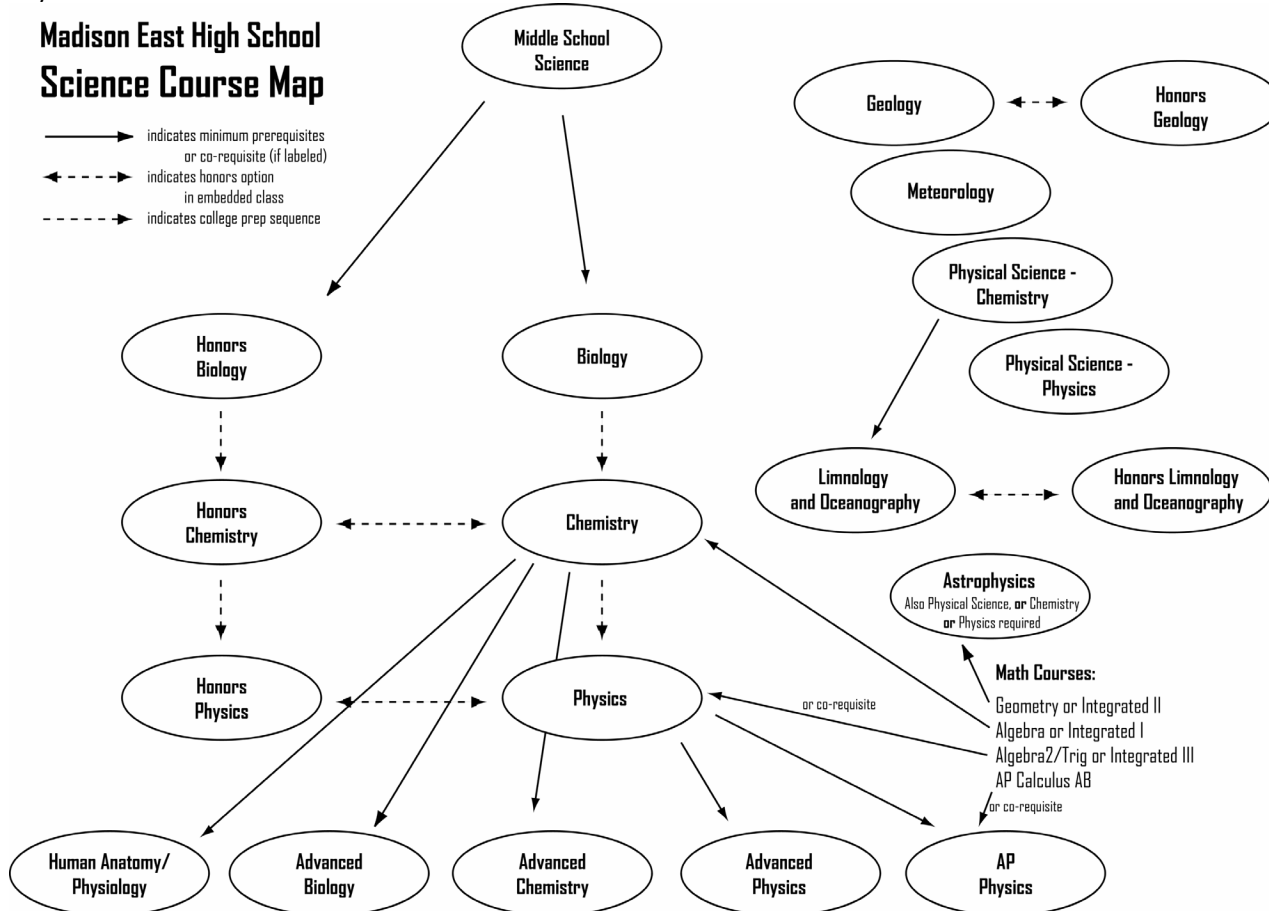
Read 50 – 1

RDG 151/152 1.0 credit Semester 1 or 2 Grade: 9, 10

Screening testing required (SRI testing required). Students who are two or more years behind in reading should enroll. DPI 3 minimum.

Students in this course will strengthen reading fluency and comprehension competencies through interactive technology and small group instruction. Explicit teaching of reading strategies applicable to high school material is a main emphasis. This course is Units of study includes: Comprehension, vocabulary, spelling, writing in narrative and expository texts, as well as literary analysis.

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Biology	Sem 1 and 2	SCI 111/112	x	x		
Biology Honors	Sem 1 and 2	SCI 131/132	x			
Limnology and Oceanography	Sem 1 or 2	SCI 200		x	x	x
Geology	Sem 1 or 2	SCI 210		x	x	x
Meteorology	Sem 1 or 2	SCI 212		x	x	x
Physical Science – Chemistry	Sem 1 or 2	SCI 213/214		x	x	x
Physical Science – Physics	Sem 1 or 2	SCI 215/216		x	x	x
Chemistry	Sem 1 and 2	SCI 221/222		x	x	x
Chemistry Honors	Sem 1 and 2	SCI 231/232		x		
Limnology and Oceanography Honors	Sem 1 or 2	SCI 250		x	x	x
Geology Honors	Sem 1 or 2	SCI 260		x	x	x
Summer Internship in Science Research	Summer	SCI 297		x	x	
Human Anatomy/Physiology	Sem 1 or 2	SCI 301/302				x
Physics	Sem 1 and 2	SCI 311/312			x	x
Physics Honors	Sem 1 and 2	SCI 331/332			x	
Advanced Biology	Sem 1 and 2	SCI 341/342			x	x
AstroPhysics	Sem 1 or 2	SCI 350		x	x	x
Advanced Chemistry	Sem 1 or 2	SCI 420				x
Advanced Physics	Sem 2	SCI 422				x
Physics C: Mechanics – Advanced Placement	Sem 1	SCI 461				x



Biology

SCI 111/112

1.0 credit

Semester 1 and 2

Grade: 9, 10

No prerequisites.

Basic biological themes are developed and students are acquainted with the unifying patterns as well as the diversities found in the world of life. Units of study include: cells, macromolecules, living systems and processes, genetics, evolution, and ecology.

Biology Honors (formerly known as TAG Biology)

SCI 131/132

1.0 credit

Semester 1 and 2

Grade: 9

Prerequisite: Students must complete Honors committee application process (see page 7 for details).

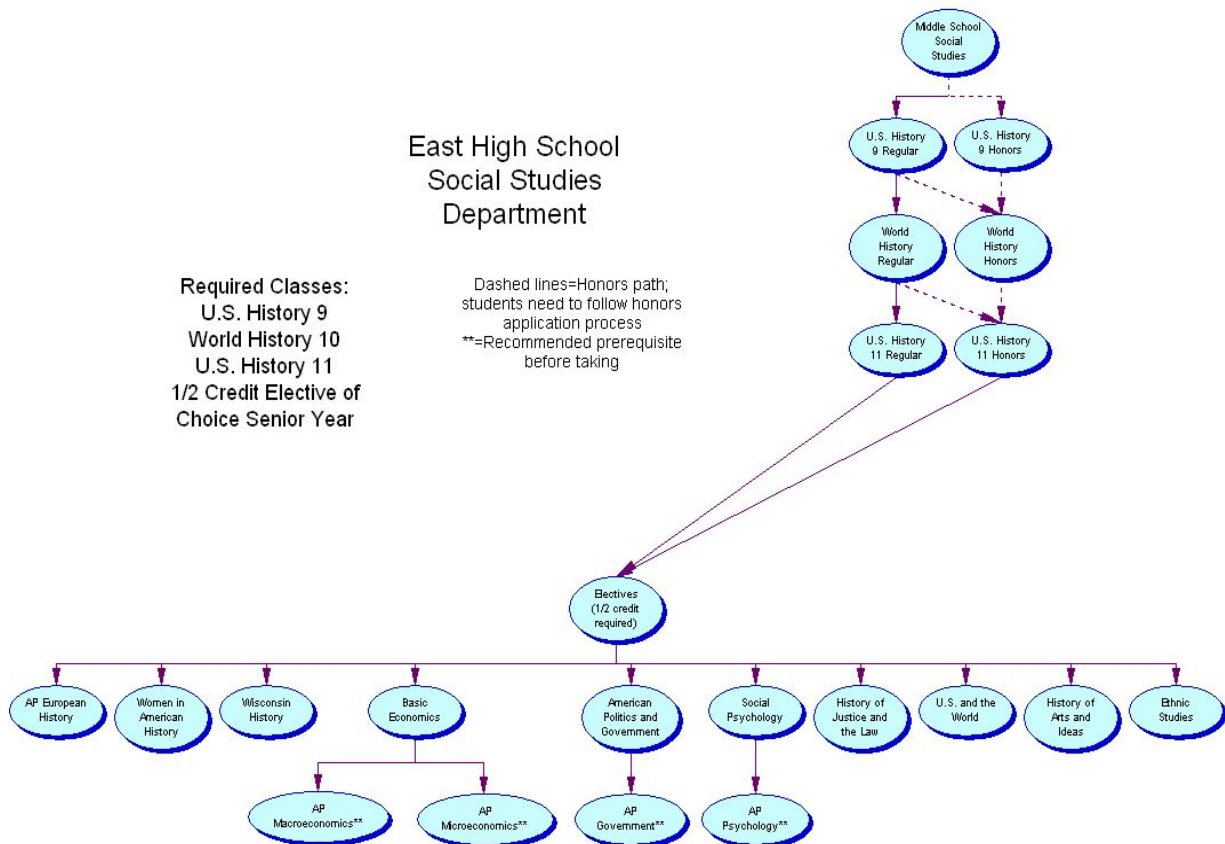
Biology Honors is designed for creative, success-oriented students who enjoy challenges and have good study habits. The curriculum focuses on investigation and inquiry in concert with state standards. Critical observation, experimentation and active participation in research teams constitute the structural foundation of the course. Student success will be assessed through a wide variety of teacher directed exams along with laboratory reports, research papers, group interactions and one-on-one student-teacher dialogue. **(See page 7 for Honors information.)**

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
US History 9	Sem 1 and 2	SOC 111/112	x			
US History 9 Honors	Sem 1 and 2	SOC 131/132	x			
Ethnic Studies	Sem 1 or 2	SOC 200		x	x	x
Social Psychology	Sem 1 or 2	SOC 210		x	x	x
World History 10	Sem 1 and 2	SOC 211/212		x		
American Politics and Government	Sem 1 or 2	SOC 220		x	x	x
Introduction to Economics	Sem 1 or 2	SOC 230		x	x	x
World History Honors	Sem 1 and 2	SOC 231/232		x		
History of Arts and Ideas	Sem 1 or 2	SOC 300			x	x
US History Since 1950	Sem 1 or 2	SOC 310			x	
Wisconsin History	Sem 1 or 2	SOC 320			x	x
US History Since 1950 Honors	Sem 1 or 2	SOC 330			x	
History of Justice and Law	Sem 1 or 2	SOC 340			x	x
Macroeconomics – Advanced Placement	Sem 1 or 2	SOC 361			x	x
Microeconomics – Advanced Placement	Sem 1 or 2	SOC 362			x	x
Psychology – Advanced Placement	Sem 1 or 2	SOC 364			x	x
US Government and Politics – Advanced Placement	Sem 1 or 2	SOC 366			x	x
European History – Advanced Placement	Sem 1 and 2	SOC 367/368			x	x
Women in American History	Sem 1 or 2	SOC 380			x	x
Latin America, Mexico, and the Caribbean	Sem 1 or 2	SOC 370			x	x
US/World: Survey of Issues	Sem 1 or 2	SOC 390			x	x

East High School Social Studies Department

Required Classes:
 U.S. History 9
 World History 10
 U.S. History 11
 1/2 Credit Elective of
 Choice Senior Year

Dashed lines=Honors path;
 students need to follow honors
 application process
 **=Recommended prerequisite
 before taking



U.S. History 9

SOC 111/112

1.0 credit

Semester 1 and 2

Grade: 9

No prerequisites.

This course is a study of American History from Reconstruction to 1950. Economic, political, and social developments are explored. Civics, civil rights, and the position of the U.S. in world affairs are emphasized. There are various projects and papers required in this course. Writing and research skills are emphasized in the curriculum. Students are expected to participate in class discussions, read materials, and complete homework and projects outside of class. Units of study include: Reconstruction, Westward Expansion, Immigration-Urbanization-Industrialization, Populism, Women's Suffrage, The Progressive Era, American Imperialism & the Spanish American War, World War I, The Roaring 20s, the Great Depression & New Deal, and World War II.

US History 9 Honors (Formerly known as TAG US History 9)

SOC 131/132

1.0 credit

Semester 1 and 2

Grade: 9

Prerequisite: Students must complete Honors committee application process (see page 7 for details).

A study of U.S. History from Reconstruction to 1950. U.S. History 9 Honors is designed for inquisitive, self-motivated students who have demonstrated high academic achievement, creativity and disciplined study habits and who exhibit a compelling interest in U.S. History beyond the classroom. This section of U.S. History will use teaching strategies that emphasize the development of individual intellectual thought, writing and discussion skills. Large group and small group discussions, college level primary and secondary readings, document based questions, journal writing and research based projects will be incorporated. Units of Study include Reconstruction, Post Civil War Westward Expansion, Immigration-Urbanization-Industrialization, the Populist Movement, The Women's Suffrage Movement, The Progressive Era, American Imperialism and the Spanish American War, World War I, The Roaring Twenties, The Great Depression & New Deal, and World War II. **(See page 7 for Honors information.)**

Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Reading	Sem 1 and 2	XIS041/042		x	x	x
Basic English	Sem 1 and 2	XIS051/052		x	x	x
Life Skills Literacy and Math	Sem 1 and 2	XIS101/102	x	x		
Functional Vocational Skills	Sem 1 and 2	XIS111/112	x	x	x	x
Life Skills Health	Sem 1 and 2	XIS121/122		x	x	x
You and the Law	Sem 1 and 2	XIS201/202		x	x	x
Healthy Living	Sem 1 and 2	XIS211/212		x	x	x
Consumer Math	Sem 1 and 2	XIS221/222		x	x	x
Careers	Sem 1 and 2	XIS231/232		x	x	x
Work Experience	Sem 1 and 2	XIS931/932		x	x	x
Transition: High School to Adulthood	Sem 1 and 2	XIS941/942	x	x	x	x

Life Skills Literacy and Math

XIS101/102 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

A course designed for students with cognitive disabilities and/or developmental disabilities needing to acquire and maintain functional life skills related to literacy and math. Students may sign up to take this course as a block or just one section. The literacy portion will focus on letter identification and basic reading skills. The math portion will focus on students needing to acquire and maintain functional life skills related to math. Some skills covered are counting, basic number operations, money handling, measurement and time telling. Students may repeat this class for further skill development. Qualifies for credit for graduation via the IEP. Instruction focuses on developing students’ reading/writing and math skills. Topics covered include letter identification, spelling, simple sentence writing, phonemic awareness and decoding, sign/symbol and word recognition of everyday words used in school, shopping, and transportation, health, safety, recreation and home settings. Math topics covered include counting, basic number operations, fractions, money handling, time telling, graphing, and measurement.

Functional Vocational Skills

XIS111/112 1.0 credit Semester 1 and 2 Grade:

Signature of Instructor required.

This course prepares students with disabilities to transition into Dane County’s supported employment system by helping them discover and communicate vocational preferences and needs. Vocational assessment opportunities are provided both within East High school as well as in the community settings. Students have the opportunities to try out a variety of volunteer positions to gain experience as they prepare for paid employment as well as explore possible micro-enterprises, while increasing their self-advocacy skill and learning to direct their own support staff.

Transition: High School to Adulthood

XIS941/942 1.0 credit Semester 1 and 2 Grade:

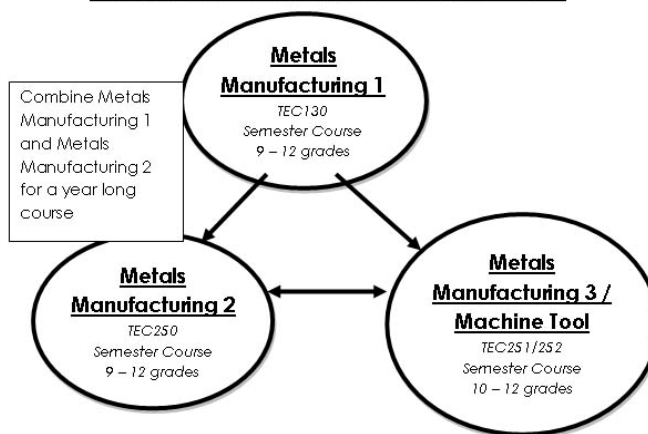
Prerequisite: Decision of IEP Team to enroll in this course of study.

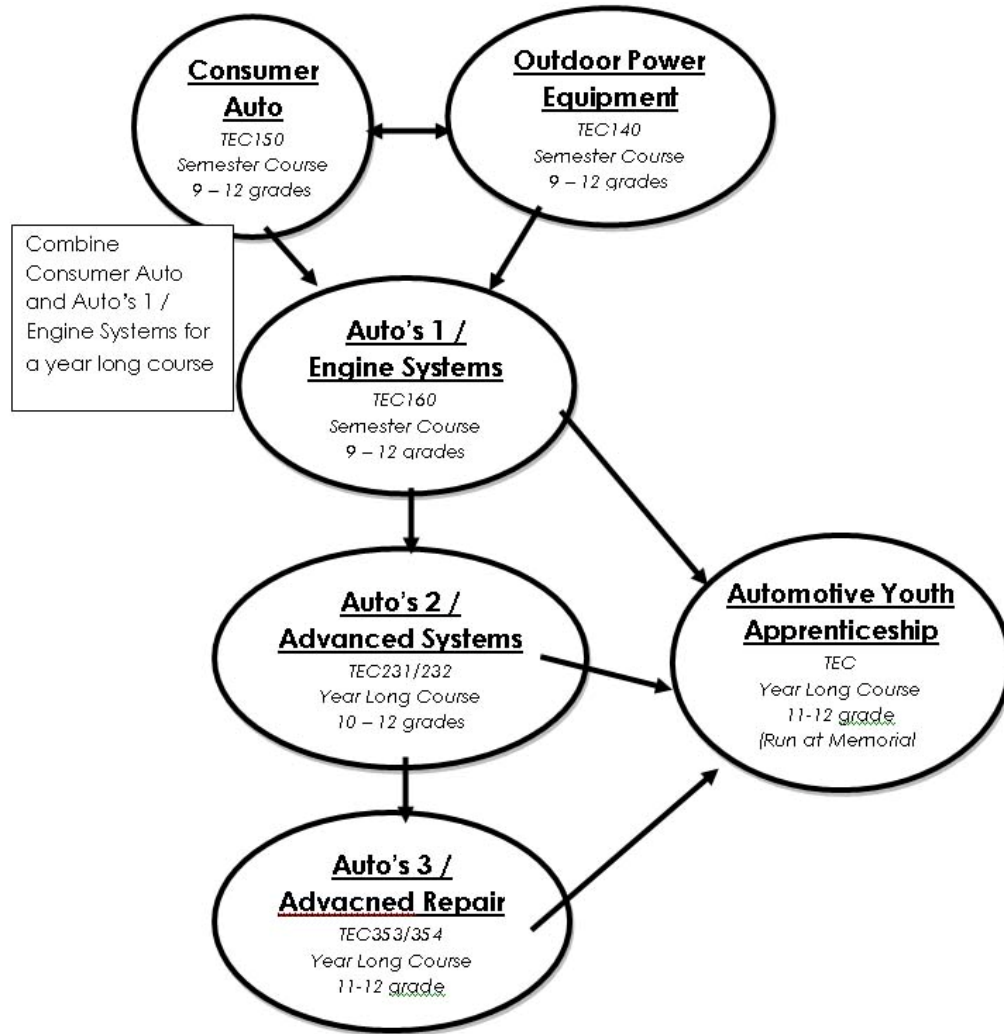
Enrollment in this course of study is especially recommended for any student who is currently receiving case management and/or respite services through Dane County Human Services. Location/LRE information for this instruction needs to be described in the “IEP Summary” section of the most current IEP. Signature of instructor.

This course is recommended for students who are currently eligible or will be eligible for services through the Dane County Developmental Disabilities system (please refer to the MMSD “Guide to the Transition Process: High School to Adulthood” handbook <http://dww.madison.k12.wi.us/es/SpecEd/OperFrm/TransitionGuide.pdf> and/or contact EHS Transition teacher for eligibility criteria information). Instructional activities will focus on the individual transition needs of the student when he/she exits the public school system at age 21. The goal is to facilitate a smooth transition from high school into the county-supported adult service system. Units of study include: Post-Secondary Instruction, Related Services, Community Experiences, Employment Objectives, Post-School Adult Living Objectives, Acquisition of Daily Living Skills (if appropriate), Functional Vocational Evaluation (if appropriate).

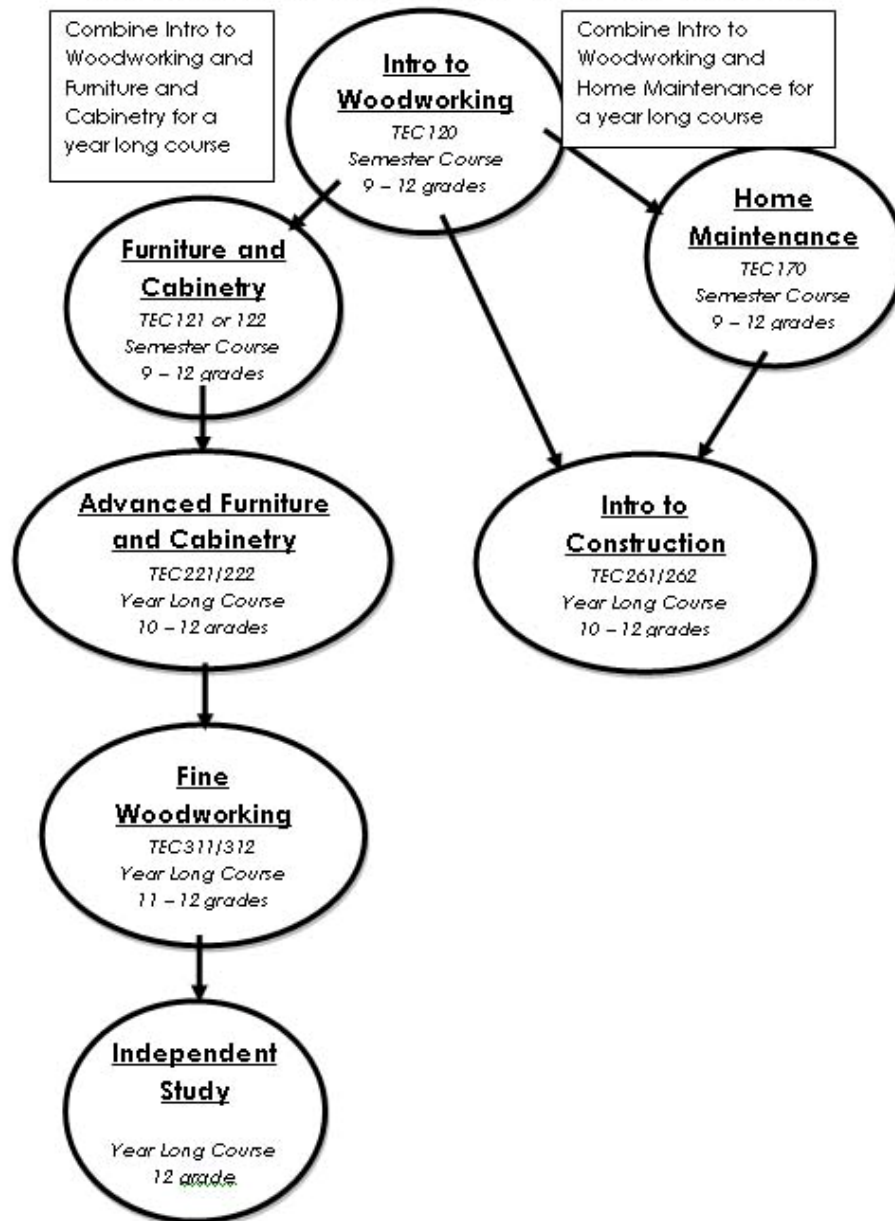
Course Name	Semesters Offered	Course Number	Grade Levels			
			09	10	11	12
Computer Media in Technology	Sem 1 or 2	TEC 100	x	x	x	x
Introduction to Graphic Design	Sem 1 or 2	TEC 110	x	x	x	x
Introduction to Woodworking (Wood LINKS)	Sem 1 or 2	TEC 120	x	x	x	x
Furniture and Cabinetry (Wood LINKS)	Sem 1 or 2	TEC 121/122	x	x	x	x
Metals Manufacturing 1	Sem 1 or 2	TEC 130	x	x	x	x
Outdoor Power Equipment Technology	Sem 1 or 2	TEC 140	x	x	x	x
Consumer Auto	Sem 1 or 2	TEC 150	x	x	x	x
Auto Technology 1/Engine Systems	Sem 1 or 2	TEC 160	x	x	x	x
Home Maintenance & Improvement (Wood LINKS)	Sem 1 or 2	TEC 170	x	x	x	x
Introduction to Engineering (Project Lead the Way)	Sem 1 and 2	TEC 171/172	x	x	x	x
Web Design 1	Sem 1 or 2	TEC 180	x	x	x	x
Advanced Web Design	Sem 1 or 2	TEC 190	x	x	x	x
Graphic Design 2 – Yearbook Publication	Sem 1 and 2	TEC 201/202		x	x	x
Design Drafting – CAD Architecture	Sem 1 or 2	TEC 210		x	x	x
Advanced Furniture and Cabinetry (Wood LINKS)	Sem 1 and 2	TEC 221/222		x	x	x
Auto Technology 2	Sem 1 and 2	TEC 231/232		x	x	x
Metals Manufacturing 2	Sem 1 or 2	TEC 250		x	x	x
AS Metals Manufacturing – Machine Tooling	Sem 1 or 2	TEC 251/252		x	x	x
Digital Electronics (Project Lead the Way)	Sem 1 and 2	TEC 255/256		x	x	x
Introduction to Construction (Wood LINKS)	Sem 1 and 2	TEC 261/262		x	x	x
Principles of Engineering (Project Lead the Way)	Sem 1 and 2	TEC 271/272		x	x	x
Introduction to Film and Video Production	Sem 1 or 2	TEC 280		x	x	x
Advanced Video and Film Production	Sem 1 or 2	TEC 301/302			x	x
Fine Woodworking (Wood LINKS)	Sem 1 and 2	TEC 311/312			x	x
Computer Integrated Manufacturing (Project Lead the Way)	Sem 1 and 2	TEC 321/322			x	x
Automotive Technology 3	Sem 1 and 2	TEC 353/354			x	x
Aerospace Engineering (Project Lead the Way)	Sem 1 and 2	Memorial		x	x	x
Civil Engineering and Architecture (Project Lead the Way)	Sem 1 and 2	Mem/LaFollette		x	x	x
Engineering Design and Development (Project Lead the Way)	Sem 1 and 2	Memorial		x	x	x
Automotive Technology 4/Advanced Engines	Sem 1 and 2	Mem/LaFollette			x	x
Automotive Youth Apprenticeship Program	Sem 1 and 2	Memorial			x	x

Metals / Manufacturing Course Sequence



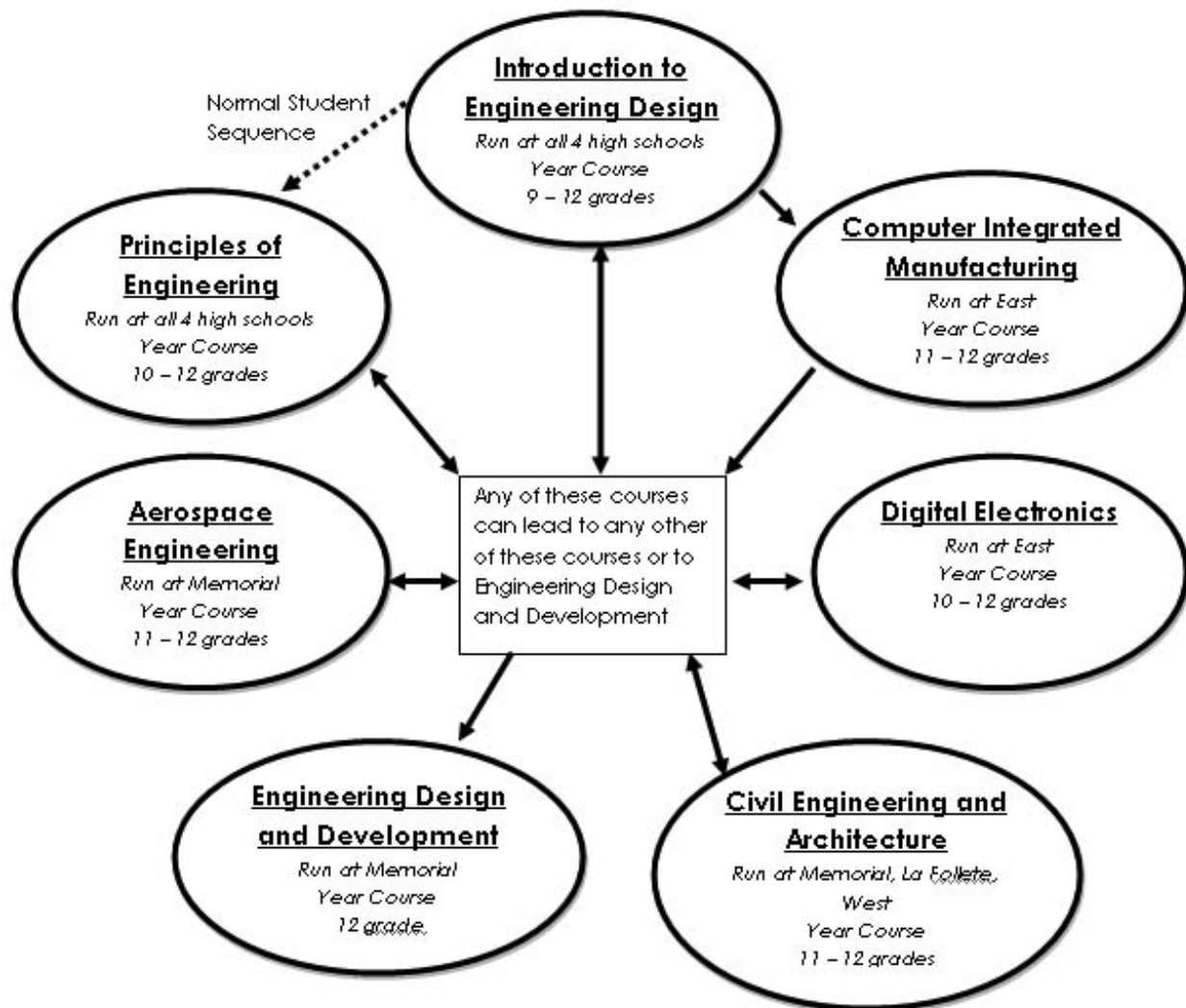


Woodworking and Construction Course Sequence

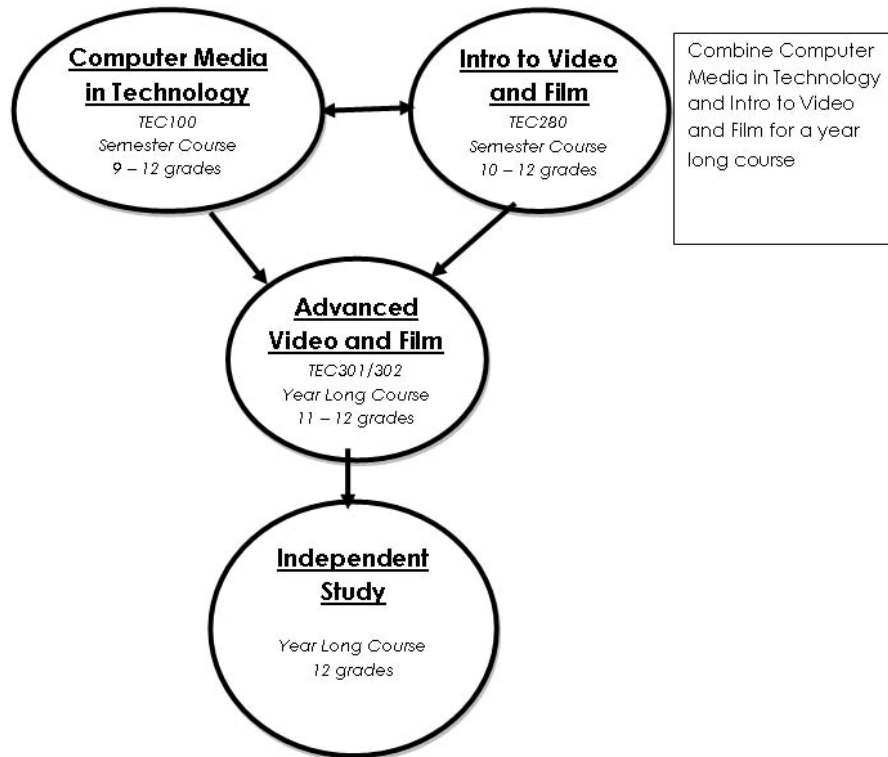


Engineering (Project Lead The Way) Course Sequence

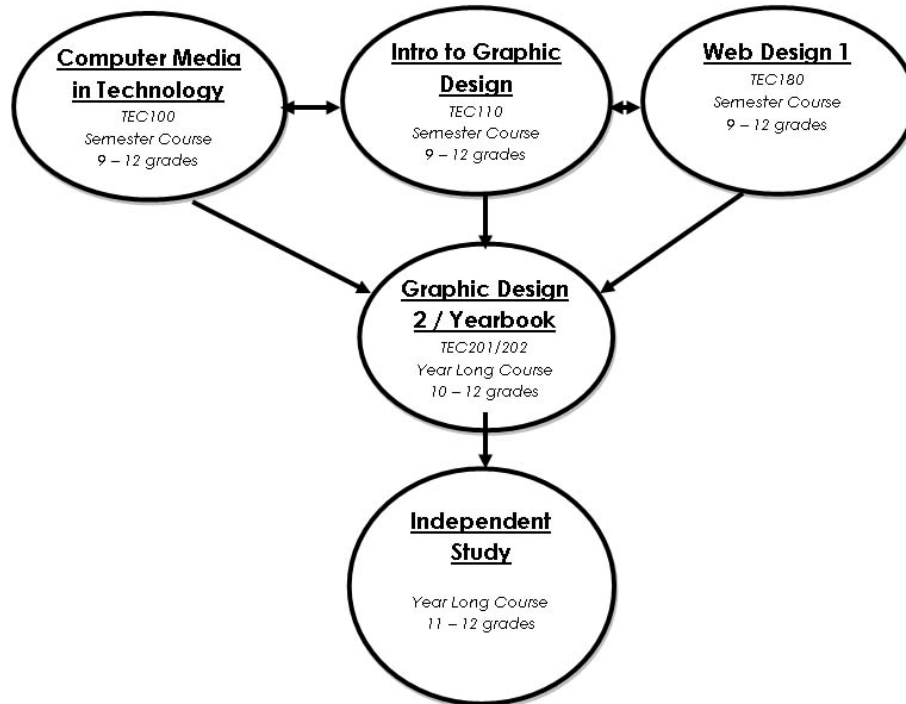
Although it is not required for students to take the Introduction to Engineering Design course to take any other engineering course (except Computer Integrated Manufacturing), it is strongly recommended.



Video Course Sequence



Graphic Design Course Sequence



Computer Media in Technology

TEC 100 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00**Meets recommendation: CTE**No prerequisites.*

This is a general course about Computer Multimedia. Students will burn music CD's, make CD labels, take color photographs, print color photographs, use Desktop Publishing, make animations, make movies on the computer as a group, and make Websites with animation and sound. You will be introduced to taking photographs with a digital camera, and use will desktop publishing. We will modify sound files, burn music onto CDs, and make CD labels for them.. You will create websites with animation, sound, and video. You may choose to do an architectural design or create an invention using 3D software. Create an animation or video game. You will learn procedures for internet research and safer ways to use E-mail and the internet. Some of the time you will work in small groups. Because of the collaborative nature of this course, it is required that you be able to work well with others.

Introduction to Graphic Design

TEC 110 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00**Meets recommendation: CTE**No prerequisites.*

This course provides an overview of computer applications used in the field of Graphic Design. Computer applications include Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Students will also explore digital photography and have the opportunity to produce images for the school's yearbook. Those who have a designer to take part in Graphic Design 2 / Yearbook Publications need to take this course.

Introduction to Woodworking (WoodLINKS)

TEC 120 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00.**Meets recommendation: CTE**No prerequisites.*

In this hands-on course you learn modern woodworking skills as you build useful projects. The curriculum focuses on standard procedures, properties of wood, accurate measurement, and the safe use of hand and power tools used for woodworking. At the end of the semester, successful students take home attractive projects and many new skills. This course is part of the district's new initiative focusing on industry training in wood products manufacturing, known as WoodLINKS. Student is responsible for obligations. Units of study include: basic hand, machine, and communication skills in woodworking.

Furniture and Cabinetry (WoodLINKS)

TEC 121/122 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Prerequisite: Introduction to Woodworking.**Meets recommendation: CTE*

Successful completion of work in this class will advance the student to the Journeyman certificate issued by the Skills USA/VICA executive council. Class fee \$20.00.

This course is a continuation of Introduction to Woodworking. Students will learn more advanced skills related to cabinet making and architectural woodworking. Areas of study include: safety, wood material technology, woodworking design, project planning, operations on woodworking machines, finishing methods and techniques, industry standards, and customizing. Students will also explore career opportunities and ways woodworking applies to our lives. Students will work independently or in groups to complete at least one major project. This course is part of the district's new initiative focusing on industry based training in wood products manufacturing, known as WoodLINKS. Student is responsible for obligations.

Metals Manufacturing 1

TEC 130 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Semester class fee \$20.00.**Meets recommendation: CTE**No prerequisites.*

This course is designed to acquaint students with hot and cold processes for manufacturing products with metal. Projects are completed in the areas of metal cutting, sheet metal-bending and construction, threading—interior and exterior, welding—spot, arc, and oxyacetylene. Metals Manufacturing 2 and 3 are Semester classes. Students may elect to take either course or a combination of the two. Units of study include: basic metals processes.

Outdoor Power Equipment Technology

TEC 140 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
No prerequisites.

Students in class will study the theory and operation of two-and four-stroke engines. They will gain hands-on experience by disassembling, analyzing, and reassembling small engines. Students will be encouraged to bring in projects needing repair from home. This course integrates and reinforces basic science and mathematical concepts while providing hands-on experience for students. Student is responsible for obligations.

Consumer Auto

TEC 150 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
No prerequisites.

This course is designed for the students who would like to own and maintain a personal vehicle. This course covers basic car care, under hood inspection (fluids, belts, hoses), removing & replacing items (wiper blades, bulbs, fuses), cooling system maintenance, battery/charging system diagnosis, lubrication system maintenance, tire information, brake inspection, minor ignition system maintenance (spark plug, wires, firing order), car buying, car insurance, and service information. Student is responsible for obligations.

Auto Technology 1/Engine Systems

TEC 160 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
Prerequisite: Completion of Consumer Auto or Outdoor Power Equipment Technology with a passing grade.

Automotive Technology 1 is an introduction to basic engine construction and operation. Students will disassemble an engine to study engine components operation, testing procedures, and engine trouble diagnosis. Students will complete activities to study the following automotive engine systems: cooling, lubrication, fuel, electrical, and ignition systems. Student is responsible for obligations. Units of study include: basic car care, basic cooling system, and basic scan tool use.

Home Maintenance & Improvement (WoodLINKS)

TEC 170 .5 credit Semester 1 or 2 Grade: 9, 10, 11, 12
Semester class fee \$20.00. Meets recommendation: CTE
No prerequisites.

This course aims to provide students with knowledge of techniques used in maintaining a home. Emphasis is placed on residential construction and the related trade areas. Students will learn about the related power and hand tools of the building industry with assigned work units. Students will gain hands-on experience with fixing a leak in a copper pipe, patching a hole in a wall, wiring up a switch or an outlet, what to do when fuses don't work, and unplugging a drain. Safety practices and procedures are discussed, demonstrated, and practiced. This course is part of the district's new initiative focusing on industry based training in wood products manufacturing, know as WoodLINKS. Student is responsible for obligations.

Introduction to Engineering (Project Lead the Way)

TEC 171/172 1.0 credit Semester 1 and 2 Grade: 9, 10, 11, 12
Class fee \$40.00. Meets recommendation: CTE

Minimum of successful completion of Algebra recommended or currently enrolled. This course is part of the new district initiative in Engineering known as, Project Lead the Way. It is possible for students to take the

complete engineering sequence, (TEC 171/172, TEC 255/256, TEC 271/272 and TEC 321/322) but it is not required.

This course introduces students to the design process and the tools used in product development. Students will experience first-hand the activities in which engineers engage throughout the design cycle. Development of design briefs, sketching, 3D solid modeling, and prototyping through computer-aided drafting are part of the course. Students will have the opportunity to learn ways in which design techniques apply to many fields, such as healthcare, business, art and animation, manufacturing, engineering, etc. Problem-solving and math as it applies to producing products and services for today's society are emphasized. This course is part of the new district initiative in Engineering known as, Project Lead the Way. *College credit available.*

Web Design 1

TEC 180 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Class fee \$20.00.**Meets recommendation: CTE**No prerequisites.*

The primary emphasis of this course is the design and construction of web pages. Students will learn the basics of web design theory and understand beginning HTML source code. Students will design websites using current industry standard software. In addition, students will work with digital video and still photography and associated editing software. Units of study include: Adobe Illustrator, Photoshop, Dreamweaver, InDesign, Digital Photography.

Advanced Web Design

TEC 190 .5 credit

Semester 1 or 2

Grade: 9, 10, 11, 12

*Prerequisite: Web Design 1**Meets recommendation: CTE**Class fee \$20.00*

This course will specialize in designing advanced web pages. Use of video and animation in websites will be emphasized. Students will have the chance to work with other groups throughout the school to produce web pages that may appear on the school's website. Students will also work with area businesses to design web pages. Students will work with Dreamweaver and Flash 8 software.