

MURRAY HIGH SCHOOL COURSE CATALOG

Civil Rights Notification

No student shall be excluded from participation in or be denied the benefits of the services, programs or activities of the Murray School District, or be subjected to discrimination on the basis of race, color, national origin, gender or disability. (Title II, Section 504, and Title IX)

Civil rights complaints should be directed to the District Civil Rights Coordinator. The Civil Rights Coordinator for the Murray School District is the Personnel Director. The coordinator has responsibility for investigating and providing prompt and equitable resolution of complaints filed by persons alleging discrimination on the basis of race, color, national origin, gender or disability. (MSD Policy SP 911)

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[NOTE: Class fees are subject to change.]

April 13, 2017

Murray High School Graduation Requirements

Students must meet the academic and citizenship requirements as outlined by the Murray Board of Education to earn a basic diploma from Murray High School.

Students will be required to earn a total of twenty-seven (27) units of credit. Students must successfully complete the 18.25 core requirements outlined below. All credits must be earned from an institution accredited by the Northwest Association of Schools.

MHS CORE REQUIREMENTS (18.25)

English.....		4.0 units of credit
English 9*	1.0 unit	
English 10*	1.0 unit	
English 11*	1.0 unit	
English 12*	1.0 unit	
English 12, A.P. English, Intro to Journalism, Journalism Staff, Creative Writing, Grammar & Vocabulary, SLCC: English 1010, Communication 1010 & 1200, World Languages Level 3-4, & Debate 1 & 2		
Social Studies		2.5 units of credit
World Geography 9*	0.5 unit	
World Civilizations 10*	0.5 unit	
U.S. History 11*	1.0 unit	
U.S. Government & Citizenship 12*	0.5 unit	
**Social Studies Elective Credit 9-12*	0.5 unit	
**Beginning class of 2019		
Mathematics.....		3.0 units of credit
Secondary Level 1*, Secondary Level 2*, Secondary Level 3*		
Science (Must include two areas)		3.0 units of credit
Areas: Earth Systems*, Biological*, Chemistry*, Physics *		
Healthy Lifestyles		2.0 units of credit
Participation Skills & Tech 9 th grade*	0.5 unit	
Fitness for Life 10 th grade*	0.5 unit	
Health Education*	0.5 unit	
P.E. Elective Credit in 11 th or 12 th grade*	0.5 unit	
Arts		1.5 units of credit
Technical Education		2.0 units of credit
Career Technical Education	1.0 unit	(.50 credit in 10-12)
Computer Technology*	0.5 unit	
Financial Literacy*	0.5 unit	

** If you fail these classes, you are required to remediate them.*

CAREER FIELDS

What is the Career Field Program?

The Career Field Program is a personal and career exploration program. With the approval of the Utah State Office of Education, Murray High School has implemented this program for our students. This exploratory program assists students in preparing for high school courses, post-high school training and education as it relates to careers. It is designed to meet the ever changing needs of our students, the world of work, and can assist students in selecting high school courses that match student interests.

What is a Career Field?

The thousands of possible occupations have been sorted by common interests, aptitudes, skills, abilities, course work taken in high school and college, and workplace. These occupations have been sorted into six large Career Fields which are:

- Arts and Recreation
- Administration & Sales
- Business Operations
- Social & Human Services
- Science Technology Engineering & Math (STEM)
- Technical

Each Career Field contains thousands of occupations.

The Murray High School Career Field Program

Students are asked to choose at least one Career Field that matches their areas of interest and to explore as many possible career choices that match their interests. Students are not asked to select a specific career, but to gain awareness of the many different career choices that will meet their own interests and to gain foundation knowledge and skills common to the selected Career Field.

Murray High School has grouped together the high school courses that provide the foundation knowledge, skills, and application of student learning according to the Career Fields that those courses support. A Murray High School senior who completes three (3.0) units of elective credit from courses taken in grades 9 through 12 in a single Career Field may apply for special recognition at graduation. The recognition is an orange honor cord worn with the cap and gown at graduation.

ARTS: VISUAL & PERFORMING

1.5 units of Art credit are required for graduation

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Acapella Choir	Arts	Arts
AP Art Studio 2D	Arts	Arts
AP Art Studio 3D	Arts	Arts
AP Music Theory	Arts	Arts
Art Foundations 2	Arts	Arts
Bel Canto Choir	Arts	Arts
Bell Choir	Arts	Arts
Ceramics 1	Arts	Arts
Ceramics 2	Arts	Arts
Commercial Art 1	Arts	Arts & Technology
Commercial Art 2	Arts	Arts & Technology
Concert Band	Arts	Arts
Drawing 1	Arts	Arts
Drawing 2	Arts	Arts
Guitar, Beginning	Arts	Arts
Guitar, Intermediate	Arts	Arts
Jazz Ensemble	Arts	Arts
Jazz Guitar Ensemble	Arts	Arts
Madrigals	Arts	Arts
Men's Choir	Arts	Arts
Orchestra	Arts	Arts
Painting	Arts	Arts
Painting 2	Arts	Arts
Percussion Ensemble	Arts	Arts
Photo Digital	Arts	Arts & Technology
Photo Digital 2	Arts	Arts & Technology
Printmaking	Arts	Arts
Sculpture	Arts	Arts
SLCC Art 1020	Arts	Arts
SLCC Music 1010	Arts	Arts
Technical Theater	Arts	Arts
Theater 1	Arts	Arts & Social
Theater 2	Arts	Arts & Social
Theater 3 (Play Production)	Arts	Arts & Social
Theater 4 (Musical)	Arts	Arts & Social
Theater 5 (Play)	Arts	Arts & Social
TV/Film Production 1	Arts, Technology	Arts & Technology
TV/Film Production 2	Arts, Technology	Arts & Technology
SLCC Film 1045	Arts, Technology	Arts & Technology
TV/Spartan Vision	Technology	Arts & Technology
Women's Choir	Arts	Arts

A CAPELLA CHOIR

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must audition with the instructor. One year of previous high school choir experience is preferred.

A Capella is a large mixed choir for advanced singers. This is the centerpiece of the vocal and choral department. The purpose of this course is to give you advanced training in singing technique and reading skills. You will perform at several concerts and festivals outside of school time during the year. You must purchase a uniform which will cost no more than \$110 for women and \$180 for men. You will also have to pay a \$15 participation fee.

ADVANCED PLACEMENT STUDIO ART: DRAWING/2D DESIGN

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Students taking this course must have a strong background in drawing, painting, photography, printmaking, digital manipulation, or other 2D medium. Advanced classes in these subjects are helpful, but not required. Students must have the AP studio art teachers' approval.

This class will prepare student to assemble/create 24 works of art to submit for the AP portfolio review. In studio art, students submit works of art instead of taking a written test. These works of art are divided into 2 categories: 12 that show the student has competence in making art with a variety of different media and subjects (Breadth) and 12 that show the student can create a series of works that focus on a single medium and direction (Concentration). In preparing the Breadth section, students will work in pencil, Prisma pencil, pastels, watercolor, charcoal, etc. Works will focus on specific elements and principles of art as creative tools. These may include: line, value, gradient, shape alternative surfaces, toned paper etc. Quality work from other classes may be used in this section. In the Concentration section, students will choose their strongest technique and focus on a single subject, idea or concept. These works will show the evolution of the significant parts of the art idea and technique. Examples: A student might use Prisma pencil on toned paper to show reflections on a various surfaces. They might use acrylic paint to show balanced still life compositions using cords and cables found in electrical mechanisms. Each student will determine his/her own emphasis in this section. The cost of the exam is approximately \$82. There is a \$40 lab fee per semester.

ADVANCED PLACEMENT STUDIO ART: 3D DESIGN

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Students taking this course must have a strong background in Ceramics, Sculpture, Cloth Construction, or other 3D medium. Advanced classes in these subjects are helpful, but not required. Students must have the AP studio art teachers' approval.

This class will prepare student to assemble/create 20 works of art to submit for the AP portfolio review. In studio art, students submit works of art instead of taking a written test. These works of art are divided into 2 categories: 8 that show the student has competence in making art with a variety of different media and subjects (Breadth) and 12 that show the student can create a series of works that focus on a single medium and direction (Concentration). In preparing the Breadth section, students will work in a large part with ceramic construction techniques, and use paper, wire, found objects and other materials. Works will focus on specific elements and principles of art as creative tools. These may include: line, shape, form, alternative surfaces, texture, etc. Quality work from other classes may be used in this section. In the Concentration section, students will choose their strongest technique and focus on a single subject, idea or concept. These works will show the evolution of the significant parts of the art idea and technique. Examples: A student might use ceramics to create boxes that display movement, form and texture found on canyon land cliff faces. They might use a continuous piece of wire to show geometric forms elevated in space. Each student will determine his/her own emphasis in this section.

ADVANCED PLACEMENT MUSIC THEORY

Grade(s): 12

Length of class: Full year, 1 credit.

Prerequisite: two years of music experience or a recommendation from Mr. Scott or Mr. Wilson.

AP music theory will prepare students to pass the AP Music Theory test. The fee is about \$84 and if you pass the test you will receive up to 8 college credit hours. The course focuses on aural and visual understanding of musical structure and compositional procedures. Students will develop fluency in reading notation, listening skills and the ability to integrate these skills into sight singing. Music structure, rhythmic structure, compositional technique, sight singing and ear training will also be covered.

ART FOUNDATIONS 2

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: None

This course is a study of principles and elements of design. You will demonstrate the uses of the principles of harmony and variety in design. Line, value, texture, color, shape, and space will be explored with various graphic exercises. There is a lab fee of \$15. This class gives you Art credit for graduation.

BELL CHOIR

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Before taking this class you must audition with the instructor.

This is a group of thirteen bell ringers. You do not have to have any ringing experience to be in Bell Choir, but you must be able to read music well. Bell Choir requires a lot of time outside of class. To be in this group, you must commit to come to every performance. School attendance must be nearly perfect. You must purchase a uniform, which will cost no more than \$90. You must also pay a \$15 participation fee.

BEL CANTO CHOIR

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Women's Choir, and an audition.

This class is designed to provide advanced choral experience and performance opportunities throughout the valley. The students will study and perform classical music and vocal jazz. Participation fee is \$15. Uniform cost will not exceed \$95. Class is limited to 24 singers.

SLCC MUSIC 1010

Grade(s): 10, 11 & 12. Recommended as a prerequisite for AP Music Theory.

Length of class: One semester, ½ credit

Prerequisite: CPT Reading or ACT reading score on file

Students must have Computer Access. Class fee of \$70.00.

This course is an exploration of the fundamental elements of music. We explore the origins, history and styles of our music and the Middle Ages to the present day. Students will learn the fundamental elements and building blocks of music as it has been created over time. Taking the basic elements and vocabulary of music, the variety of musical styles – students may then begin to explore and enjoy broader variety of music. **SLCC Tuition Fee of \$15.00.**

CERAMICS 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: None.

In this class you will be taught basic procedures and processes unique to ceramics. You will develop skills in forming clay using both hand-building and wheel-throwing techniques. You will also be taught about the aesthetic quality of ceramic forms and will be required to demonstrate mastery of the core concepts. Students can only take this class once. There is a lab fee of \$30.

CERAMICS 2

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Before taking this class you must have successfully completed Ceramics.

This class is a continuation of the skills already mastered. Students must be self-motivated. A higher level of skill, productivity, and aesthetic judgment will be required. Students may repeat this class for elective credit. There is a lab fee of \$35.

COMMERCIAL ART 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Art Foundations

This class explores traditional art concerns using the computer as the means of production. As a result, this class will develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics through electronic media. Computer programs such as Adobe Illustrator, PageMaker, and Photoshop will be taught. There is an emphasis toward art used to make commercial graphic images used in industry. There is a lab fee of \$15.00 for the class.

COMMERCIAL ART 2

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Successful completion of Commercial Art 1.

This class is an extension of Computer Art 1. Many of the art issues presented in Computer Art 1 are stressed in the second class as well. These include higher-level thinking, art-related technology skills, art production, art criticism, art history, and aesthetics. This class allows students a deeper exploration of the computer as an art medium. Assignments will develop a greater understanding of computer image programs (Illustrator, Photoshop, and PageMaker) and the ability to use the computer as a means of artistic expression. There is a lab fee of \$15.00 for the class.

CONCERT BAND

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have the consent of the teacher.

Concert Band members will concentrate on basics of performance, producing a quality tone, matching pitch, reading rhythmic notation, performing of major and minor scales. All 10th grade woodwind and brass students sign up for concert band, and every student will audition for the symphonic band at the end of the first Semester and again at the end of the school year. The band serves as Pep Band for football and basketball games and performs at two regional and two state festivals, various community concerts, and some members are invited to perform with the symphony orchestra. Weekly morning and after school sectionals and rehearsals are required to learn all the music students are expected to perform. Students will also perform in one ensemble each semester. There is a \$15 fee.

DRAWING 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Art Foundations.

This class focuses on the principles of correct line drawing. Modes of seeing that include blind contour, line direction, proportion, negative shapes will be explored. A variety of drawing techniques will be explored and developed to strengthen your drawing skills. Composition will be emphasized. There is a lab fee of \$20.

DRAWING 2

Grade(s): 10, 11, & 12

Length of class: One semester, ½ credit

Prerequisite: Drawing 1 (High School level)

Drawing II takes the foundational techniques learned in Drawing I to the next level. Students will explore thematic, creative, and symbolic meanings in art. In Drawing II students will also start mixing drawings for observations with imaginations in order to create new and interesting artworks. This will provide a great stepping stone to AP Art Class. There is a lab fee of \$25.

JAZZ ENSEMBLE

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must successfully audition.

Members of the Jazz Ensemble must participate in concert band and symphony orchestra rehearsals and performances. The subject matter will deal with classical band and orchestra styles as well as jazz styles and improvisation. Because the performance demands of the group extend the full year, no student may register for this band who cannot make a firm commitment to be a member both semesters. This course requires a large time commitment before and after school. There is a \$15 fee.

MADRIGALS

Grade(s): 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must audition with the instructor.

This is a small select group of advanced singers. Madrigals requires a lot of time outside of class. To be in this group, you must commit to come to every performance. If you are in Madrigals, you must also register for A Capella choir. You will have to purchase an additional uniform—besides the A Capella uniform—which will not cost more than \$65. You will also have to pay a \$15 participation fee.

MARCHING BAND

Grade(s): 10, 11, &12

Length of Class: Half year, .5 credit

Prerequisite: All members of the Marching Band must be concurrently enrolled in Concert Band, Symphonic Band, or Percussion Ensemble.

The Murray High Marching Band is an outdoor visual performance ensemble consisting of woodwind, brass, percussion, and dance students. All students will register at an information meeting prior to the end of the school year. Students in the Marching Band will perform with the Pep Band at all home football games and various regional and state competitions. Rehearsals will begin in June, including a band camp in August and after school rehearsals once school has started. Performance will focus on music fundamentals, including tone, rhythmic accuracy, articulation, and style; visual performance will include marching technique, guiding form, proper posture, and communicating with an audience from the football field. Students will also participate in parades throughout the summer.

MEN'S CHOIR

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: None.

Men's Choir is a training choir. The purpose of this course is to help you sing and perform well and to teach you to read and analyze music. You will learn basic singing techniques and musicianship skills such as sight reading. You will perform at a few concerts and festivals during the year. You must pay a \$15 participation fee to be in this choir.

ORCHESTRA

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must audition or have prior ensemble experience.

Students will develop basic skills of reading rhythms, producing characteristic tone, performing scales as they prepare music of diverse eras and styles. All students will perform at least one solo and as a member of at least one ensemble in class or at the music department recital held prior to the region festival. Students will perform at various concerts, region, state, and invitational festivals. There is a \$15 fee. There is a uniform fee of \$150 for boys and \$80 for girls.

PAINTING

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Drawing 1.

Painting I's emphasis is on watercolor, starting with basic techniques, color theory, and applications. From this point the students would learn how to apply the techniques and how they relate to an actual painting. Projects would include a Still Life, Portraiture, and Landscapes. Painting I will teach color schemes and composition and how they would be included in the paintings. There is a lab fee of \$30.

PAINTING 2

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Painting 1

Painting II will emphasize Oil paints, the first thing taught will be techniques dealing with the oil medium. Such lessons include, color mixing, identification, and matching. Color theory lessons dealing with temperature, hue, tints & shades, and compliments. Once fundamental techniques are established, lessons will include traditional painting subjects such as Portraiture, Landscapes, and Still Life motifs. There is a lab fee of \$30.

PERCUSSION ENSEMBLE

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have previous ensemble experience.

Students will deal with many percussion instruments: drums, keyboard, xylophone, marimba, vibraphone, etc. Students will develop abilities to read rhythmic and tonal notation. All percussion students sign up for percussion ensemble; the top percussion students will be invited to perform with the concert band, symphonic band, and orchestra. Students will perform at

ALL home football and basketball games, concerts, region, state, and invitational festivals. Some extra rehearsal time is required before and after regular school hours. There is a \$15 fee.

PHOTO DIGITAL

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Digital Photography is a class that will combine the elements of standard darkroom photography design, composition, and use of light with modern computer technology. Students will develop the ability to compose a picture as they take it and edit the images without having to send them to a professional lab. Students will use Adobe Photoshop to crop, enhance, and perfect their pictures. A digital camera will be provided for student use. Students will be responsible for the cost of supplies needed, including paper and ink. There is a \$40 class fee.

PHOTO DIGITAL 2

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Successfully completed Photo Digital 1

This class is a continuation of Photo Digital 1. A higher level of skill and commitment is expected. DSLR cameras will be available with other removable lenses for greater control and creativity. Advance camera controls, composition and lighting and advanced Photoshop editing techniques will be taught and practiced. A greater emphasis will be placed on student driven projects in which they have a personal interest. Students will be expected to enter the MHS and other local and state photography art competitions. There is a \$15 class fee.

PRINTMAKING

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Before taking this class you must have successfully completed Art Foundations.

This is an entry-level course for the High School Visual Arts Core Curriculum. Printmaking teaches how to make fine art prints using studio processes such as relief, etching, monotype, and silkscreen. With an emphasis on studio production, this course is designed to develop higher level thinking, art-related technology skill, art criticism, art history, and aesthetics. There is a class fee of \$30.

SLCC ART 1020

Grade(s): 10, 11 & 12

Length of class: One semester: ½ high school credit; 3 hours college credit.

Prerequisite: Art Foundations recommended.

This is an introductory drawing course. Students will develop and perfect drawing skills using lines, shapes, perspective, value, and color. Students will also explore several compositional techniques and apply them in their drawings. Various media will be used and students will *make* art, *perceive* meaning in art, *express* meaning in art, and see how art effects them (*contextualizing*). There is a reading and writing component to the class. **SLCC Tuition Fee of \$15.00.**

SCULPTURE

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

This is a beginning course that introduces the basic procedures for making sculpture. Students will create sculptures using a variety of materials and methods such as clay, wire, plaster, stone, and casting jewelry with silver. Student competencies in designing and creating sculptural forms will be assessed. Higher level thinking skills, divergent production, and art criticism will be built into every lesson taught. There is a \$45 lab fee for this class.

SYMPHONIC BAND

Grade(s): 11, & 12

Length of Class: Full year, 1 credit

Prerequisite: Before taking this class you must successfully audition.

Symphonic Band is an auditioned concert band featuring the top woodwind and brass students. All junior and senior students should sign up for Symphonic Band, but are invited to sign up for concert band as well; sophomores may audition for Symphonic Band at the end of the first semester of studying in Concert Band. This ensemble expands upon the information taught in concert band, focusing on musicality, phrasing, advanced levels of ear training, and improving instrument technique. The band combined with the concert band and percussion ensemble serves as the Pep Band for football and basketball games and performs at two regional and two state festivals, various community concerts, and some members are invited to perform with the symphony orchestra. Weekly morning and after school sectionals and rehearsals are required to learn all the music students are expected to perform. There is a \$15 fee.

TECHNICAL THEATER

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Students will learn about all aspects of technical theater including scenery design and construction, lighting, sound, costumes, crew work and stage management. This will be a hands on class in which students will be involved in building scenery for Murray High School's theatrical productions. Students who take this class will be required to serve on the technical crews for the theater productions as well as school assemblies, other performing arts productions, and community presentations in the auditorium or other high school venues.

TELEVISION BROADCASTING 1

Grade(s): 10, 11, 12

Length of class: ½ year, .5 credits

Prerequisite: None

Think: Saturday Night Live, Comedy Central, Jimmy Fallon, Doritos Commercials. This is a hands-on class where students learn by doing. Students learn basic television broadcasting skills for both in front of and behind camera jobs within the field. The process of shooting and editing video, writing scripts, producing comedy sketches, commercials, news stories and broadcasts will be covered. This is a great class to take in preparation for being on the school's broadcasting team, Spartan Vision, and videos made in this class may be aired on the show.

TELEVISION BROADCASTING 2

Grade(s): 11, 12

Length of class: ½ year, .5 credits

Prerequisite: Television Broadcasting 1

This is a continuation of Television Broadcasting 1. It is a hands-on class where students learn by doing. Students learn more advanced television broadcasting skills for both in front of and behind camera jobs within the field. The process of shooting and editing video, writing scripts, producing comedy sketches, commercials, news stories and broadcasts will be covered. This is a great class to take in preparation for being on the school's broadcasting team, Spartan Vision, and videos made in this class may be aired on the show.

THEATRE 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

This course introduces students to the fundamentals of theatrical performance including monologues, scenes, pantomimes, Shakespeare, and improvisation. Students will also be reading, viewing, and analyzing plays and the history of theater. Students will be required to attend one play per quarter.

THEATRE 2

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Theater 1.

This course is designed to give students advanced training in the areas mastered in the beginning theater course. In addition, students will participate in activities which develop proficiency in acting styles, directing, auditioning, and preparing resumes. Students will be required to participate in regional and state drama meets. A \$15 participation fee is required. Attendance at one play per quarter is required.

THEATRE 3 – MURRAY THEATRICAL ACADEMY

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must audition and have taken Theater 1 and 2.

This is an advanced theatre class designed to prepare students for collegiate theatre. Only those students serious about working hard and advancing their theatrical skills will be allowed in this class. In order to maintain a spot in this class, you must maintain UHSAA eligibility standards. Students in this class will compete at the High School Shakespeare competition in October as well as the Region and State Theatre Festivals in March and April. The yearly festival play will be cast, rehearsed, and performed using the students in this class. Students will also prepare college auditions packages including resumes and headshots. Students in this class will have the opportunity to attend the Utah Theatre Association conference in January. Standards will be set by which the members of this class serve as ambassadors for our theatre department by

mentoring and developing students in Theatre I and Theatre II. Finally, each student will select, cast, promote, and direct a one act play to be performed in May as part of our One Act Play festival.

THEATER 4 (School Musical)

THEATER 5 (School Play)

Grade(s): 10, 11 & 12

Length of class: These are semester courses that will give you ½ credit.

Prerequisite: Before taking this class you must audition.

This course is for those students who have auditioned for and been cast in the school play or musical. You will be instructed in character development, styles for the theater, and performance technique. Each student will complete a performance role and a short technical assignment for each production. The cost will be from \$40 to \$60 depending on the part and costumes involved. Students will be required to participate in region and state drama meets. There is a \$15 participation fee for this class.

SLCC FILM 1045

Grade(s): 11 & 12

Length of class: Full year, 1 credit

Prerequisites: Recommended completion of TV/Film Production 1

This course is an intensive workshop experience in which students, crewing in their area of specialization, complete the shooting and post production of projects up to 15 minutes in length. This class is a SLCC 6 credit hour class.

SLCC Tuition fee of \$30.00.

TV/SPARTAN VISION

Grade(s): 11 & 12

Length of class: Full year, 1 credit

Prerequisite: 1 or more of the following—TV/Film Production 1, Journalism, Communications. Students must try out for this class.

This course is designed for students who want to pursue a career in TV broadcasting. Students selected for this class will operate a weekly news program that is broadcast throughout the school. Students will be responsible for all aspects of the production including anchoring, producing, directing, writing, editing, etc. Students will learn to operate all television broadcasting equipment. Students will produce commercials, tributes, specials, and other short programs. All members of the Spartan Vision crew must be committed to the class as they will be required to put in extra time before or after school throughout the year. Students must be able to work well in a group.

VIDEO PRODUCTION 1

Grade(s): 10, 11, 12

Length of class: ½ year, .5 credits

Prerequisite: None

Think: Star Wars, Stephen Spielberg, Tim Burton, OKGo music videos! This is a hands-on class where students learn by doing. Students will learn basic film production skills covering all stages of the filmmaking process, including idea development, writing, planning, shooting and editing. Students will make short films and music videos. Editing is done on Adobe Premiere Pro.

VIDEO PRODUCTION 2

Grade(s): 11, 12

Length of class: ½ year, .5 credits

Prerequisite: Video Production 1

This is a continuation of skills learned in Video Production 1. Student will learn more advanced film production skills covering all stages of the filmmaking process, including idea development, writing, planning, shooting and editing. Students will make short films, documentaries and other video projects. Editing is done on Adobe Premiere Pro and Adobe After Effects will be introduced.

WOMEN'S CHOIR

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Women's Choir is a training choir. The purpose of this course is to help you sing and perform well and to teach you to read and analyze music. You will learn basic singing techniques and musicianship skills such as sight reading. You will perform at a few concerts and festivals during the year. You must pay a \$15 participation fee to be in this choir. This class is highly recommended for those who wish to be in A Capella Choir or Bel Canto Choir.

ENGLISH / LANGUAGE ARTS

4.0 units of English credit are required for graduation

Grade 9: English 9 or Honors English 9*

Grade 10: English 10 or Honors English 10*

Grade 11: English 11 or Honors English 11*

Grade 12: English 12A, English 12B, A.P. English, Intro to Journalism, Journalism, Creative Writing, Grammar & Vocabulary, SLCC: English 1010, Communication 1010 & 1020, World Languages Level 3-4, & Debate 1 & 2.

***English 9, English 10, English 11 are required. No other class can be substituted.**

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
ACT Prep Class	Elective	None
AP English	English 12	Social
English 10	English 10	None
English 10 (Honors)	English 10	None
English 11	English 11	None
English 11 (Honors)	English 11	None
English 12 A: Media Literacy	English 12	None
English 12 B: Contemporary Literature	English 12	None
English 12: Creative Writing	English 12	Social & Arts
English 12: Grammar & Vocabulary	English 12	Social
English 12: Multicultural Literature	English 12	Social
English 12: Introduction to Journalism	English 12	Social & Arts
English 12: Journalism Staff (in Jr. or Sr. year)	English 12	Social & Art
SLCC Communications 1010	English 12	Social, Admin. & Business
SLCC Communications 1020	English 12	Social, Admin. & Business
SLCC English 1010	English 12	Social

ACT PREP CLASS

Grade(s): 10, 11 & 12

Length of Class: Semester class, .50 credit

Credit: **Elective** Credit

The purpose of this class is to help students to prepare to take the ACT. It will teach students an extensive suite of advanced test-taking strategies for every question type. Essential skill review in each of the four test areas (English, Math, Reading & Science) will be covered.

ADVANCED PLACEMENT ENGLISH

Grade(s): 12

Length of class: Full year, 1 credit.

Prerequisite: While taking Honors English 10 & 11 is recommended as a prerequisite, it is not required.

This course is aimed at preparing you to pass the AP Literature and Composition test. It is a strenuous course for serious students. Passing the AP English test with a score higher than 3 will give you approximately 6 semester hours of college credit. There is a fee set by the College Board for the AP exam in May.

ENGLISH 10

Grade(s): 10

Length of class: Full year, 1 credit.

This is a general literature and writing course for all sophomores. The course includes studies in novels, plays, short stories, and poetry. It also introduces forms of high school writing and reviews basic grammar skills.

ENGLISH 10 (HONORS)

Grade(s): 10

Length of class: Full year, 1 credit.

Prerequisite: Successful completion of an honors-level 9th grade English class is strongly recommended.

This is a literature-based writing course for students with well-developed reading and writing skills. The course is built around 13 novels and plays, 8 or 9 in-class essays, a year-long unit on poetry analysis, ACT/SAT test preparation, and college-level research skills. The course is designed to prepare students for AP, concurrent enrollment, and other college classes. Students

should keep their grades in the A or B range to remain in this class. This class counts as the required 10th grade English class. Detailed course information is available at: <http://www.murrayschools.org/schools2/mhs/english10h/default.htm>

ENGLISH 11

Grade(s): 11

Length of class: Full year, 1 credit.

This is a general literature and writing course for all juniors. The focus is on three primary forms of communication: reading, writing, and inquiry. The class will help you read and write well to prepare you for work or for college. You will be given help in preparing for the ACT test and will write a research paper.

ENGLISH 11 (HONORS)

Grade(s): 11

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must complete 1 year of Honors 10th grade English or have your 10th grade English teacher's recommendation.

This is a rigorous class in American literature and writing for college-bound students. Students in this class are expected to keep their grades in the A or B range to remain in the class. This class is recommended for AP English.

ENGLISH 12A: CLASSIC LITERATURE

Grade(s): 12

Length of class: One semester, ½ credit.

Students will read and explore classic literature and learn to appreciate its relevance in today's society. Many classics have survived the test of time. In an age of selfies and social media, it is beneficial to go back to the basics. Classics have a relevance through the decades, that's what makes them classics. Books may include titles such as Lord of the Flies, 1984, Brave New World, etc.

ENGLISH 12B: CONTEMPORARY LITERATURE

Grade(s): 12

Length of class: One semester, ½ credit.

This class focuses on memoirs as well as modern works of literature with personal narrative writing drawn from class reading.

ENGLISH 12: CREATIVE WRITING

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

This is a course for students interested in writing more than essays and articles. You will read poetry and short stories then create your own work using the various literary structures learned in class.

ENGLISH 12: GRAMMAR & VOCABULARY

Grade(s): 11 & 12. We recommend this class for juniors.

Length of class: One semester, ½ credit.

Prerequisite: Before taking this class you must complete 1 year of 10th grade English.

This class is a rigorous review of formal English usage and editing techniques that will be helpful in preparing for the ACT test. There is no literature in this class except the kinds of passages found in the SAT and ACT tests. This is a good class to take before these tests. This class can count as ½ of your Senior English requirement.

ENGLISH 12: MULTICULTURAL LITERATURE

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: None

This introductory course prepares students to understand and appreciate racial, ethnic, class, and cultural differences and apply that understanding to various genres of literature. Students will address the problems of stereotyping, prejudice, and bias. This course explores the complexities of human diversity by looking at interactions and dynamics within and between different social systems. Ultimately, students will learn through their readings the rewards of learning from others and how to deal with differences.

ENGLISH 12: INTRODUCTION TO JOURNALISM

Grade(s): 10, 11, & 12

Length of class: One semester, ½ credit.

This class is the prerequisite for acceptance on the newspaper staff. Students who write well and complete assignments on deadline will be accepted onto staff for the following semester. Students enrolled in this class may write for the school newspaper. The course covers interviewing skills, news, feature, editorial, and review writing as well as current issues in journalism.

ENGLISH 12: JOURNALISM STAFF

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Introduction to Journalism and teacher approval.

Students in this class write and produce the school newspaper. Students also have opportunities to develop photography skills, learn newspaper design, and computer skills.

ENGLISH 12: SLCC COMMUNICATIONS 1010

Grade(s): 10, 11 & 12

Prerequisites: CPT Reading or ACT reading score on file.

Length of class: One semester: ½ high school credit; 3 hours college credit.

Methods used in communication with emphasis on situations occurring in work place and interpersonal environments. This course examines listening, verbal and nonverbal message, conflict management, negotiation and diversity in work place and interpersonal settings. Communication theory and practice are applied in assignments that include small group problem-solving, interviewing, writing analysis, preparing resumes, letters and memos, and preparing and delivering presentations. There is a \$20 book rental. **SLCC Tuition Fee of \$15.00.**

ENGLISH 12: SLCC COMMUNICATIONS 1020

Grade(s): 10, 11 & 12

Length of class: One semester, ½ high school credit; 3 hours college credit.

Prerequisites: CPT Reading or ACT reading score on file.

This course places emphasis on the dual role of speech as both a speaking and listening skill. Practice is provided through individual speeches with emphasis on organization and delivery. Examples of speeches would include informative, persuasive, extemporaneous, and impromptu. There is a \$20 book rental fee. **SLCC Tuition Fee of \$15.00.**

ENGLISH 12: SLCC ENGLISH 1010

Grade(s): 12

Length of class: One semester: ½ high school credit; 3 hours college credit.

Prerequisite: CPT Reading 81 or ACT Reading 20 or SAT of 520

Students will develop critical literacy—reading, writing, and thinking—using a variety of settings, including personal response, collaborative response, and textual response. This course is designed to help students succeed as writers in a variety of school and professional contexts. There is a \$20 textbook fee. **SLCC Tuition Fee of \$15.00.**

WORLD LANGUAGES

While two levels of the same world language study is required by the U. of U. and for the Regent’s Scholarship, additional study past level 2 is required for competitive national colleges and has proven to raise ACT scores substantially. World languages are recommended for all students. Students may not advance to the next level if they received a failing grade for either semester until they repeat the failed semester. Only the failed semester may be repeated.

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
French Level 1	None	Arts, Admin., Business & Social
French Level 2	None	Arts, Admin., Business & Social
French Level 3	English 12	Arts, Admin., Business & Social
French Level 4	English 12	Arts, Admin., Business & Social
German Level 1	None	Arts, Admin., Business & Social
German Level 2	None	Arts, Admin., Business & Social
German Level 3	English 12	Arts, Admin., Business & Social
German Level 4	English 12	Arts, Admin., Business & Social
Japanese Level 1	None	Arts, Admin., Business & Social
Japanese Level 2	None	Arts, Admin., Business & Social
Japanese Level 3	English 12	Arts, Admin., Business & Social
Spanish Level 1	None	Arts, Admin., Business & Social
Spanish Level 2	None	Arts, Admin., Business & Social
Spanish Level 3	English 12	Arts, Admin., Business & Social
Spanish Level 4	English 12	Arts, Admin., Business & Social
AP Spanish	English 12	Arts, Admin., Business & Social

FRENCH LEVEL 1

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Students will learn basic conversational skills, oral and reading comprehension, and basic writing skills. You will also be introduced to various French-speaking cultures, concentrated mostly on France and Europe. Unit topics will include self, school, family, food, weather, travel, holidays, clothing, daily routines, and geography.

FRENCH LEVEL 2

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully completed French Level 1.

This course will emphasize oral proficiency and reading, writing, comprehension skills. Students will be encouraged to communicate in the target language and should be able to converse in basic French about past and present events by year’s end. Unit topics will include sports, weather, health, travel, money, Islam, holidays, and geography. You will also explore French cultures outside of Europe.

FRENCH LEVEL 3

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully completed French Level 1 and French Level 2.

This course will emphasize a higher basic level of oral proficiency, writing, and reading. At year’s end students should be able to communicate effectively about past, present, future and conditional events. Topics will include all of 1st and 2nd years’ curriculum in more depth. To that we will add some French history, Northern Africa, the châteaux of France, famous French speakers, contemporary France, overseas departments and territories of France, human relations, French cinema, and the arts.

FRENCH LEVEL 4

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully completed French Level 3.

Students will review and reinforce all the grammatical constructions they learned in the first three levels of French. While doing so they will go beyond using everyday survival French by learning how to converse and write about more authentic

topics in more depth, such as the career world, technology, the environment, social issues, history, and French-speaking Africa. Students will also learn how to express hypothetical and subjective conversation, as well as the compound tenses. Students will improve their essay and presentation skills in French. Finally, students will be reading French literature by authors such as St. Exupéry, Ionesco, Molière, etc.

GERMAN LEVEL 2

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have completed German Level 1.

This class is a continuation of German 1. Reading is stressed more, as is listening and speaking. You will continue to increase your vocabulary and expand reading and writing abilities as well as your understanding of German-speaking cultures. Unit topics will include sports, weather, health, travel, money, driving, holidays, and geography.

GERMAN LEVEL 3

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully completed German Level 1 and German Level 2.

This course will emphasize a higher basic level of oral proficiency, writing, and reading. At year's end students should be able to communicate about past, present, future and conditional events. Topics will include all of 1st and 2nd years' curriculum in more depth. To that we will add some German history, holidays and celebrations, managing at the post office, careers, health issues, and the environment.

GERMAN LEVEL 4

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully completed German Level 3.

Students will review and reinforce all the grammatical constructions they learned in the first three levels of German. While doing so they will go beyond using everyday survival German by learning how to converse and write about more authentic topics in more depth, such as the career world, technology, social issues, history, and German identity. Students will also learn how to express hypothetical and subjective conversation, as well as the compound tenses. Finally, students will be reading German literature, viewing German cinema, and will improve their essay and presentation skills in German.

SPANISH LEVEL 1

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: This class is for beginning students who have never taken a Spanish class before and have not had any exposure to the language. Students who failed the second semester of a Spanish 1 class and are repeating the class should sign up for the second semester only. Not recommended for native speakers.

Students begin with language basics such as greetings and introductions and study topics such as school subjects, descriptions, likes and dislikes, leisure activities, and family. Students study grammar and sentence structures and conduct simple conversations. Students are introduced to Hispanic culture as they begin to develop skills in all areas of language learning: listening, speaking, reading writing, and culture.

SPANISH LEVEL 2

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully completed both semesters of Spanish 1, not recommended for native speakers

Students will increase their vocabulary and knowledge of how the language works, and be encouraged to converse in the language about past and present events, increasing in oral proficiency. Reading is stressed more and you will continue to expand your writing and listening skills as well as your understanding of Hispanic cultures. Topics include school life, daily routines, community, shopping, restaurant experiences, and your youth.

SPANISH LEVEL 3

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Successful completion of Spanish 1 and 2

Spanish 3 is for advanced students motivated to continue their language study. The class continues to develop the student's vocabulary base while introducing advanced grammar structures. Students will continue to develop their skills, in greater depth, within the areas of language learning.

SPANISH LEVEL 4

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit

Prerequisite: Successful completion of levels 1, 2, and 3

For those advanced students not wanting the college credit or accelerated pace of AP Spanish. Students will go beyond everyday survival Spanish by learning how to converse and write about more authentic topics in more depth, and how to express hypothetical and subjective conversation, as well as the compound tenses. Students will improve their essay and presentation skills, and read authentic literature. The class is taught in the target language, with native speakers taking the class. Native speakers should have an interest in studying their native language and be motivated to be successful in a second language setting. The student will be ready to proceed to AP Spanish by the end of this course.

ADVANCED PLACEMENT SPANISH

Grade(s): 11 & 12

Length of class: Full year, 1 high school credit, up to 6 college credits for passing the AP exam (2010, 2020, 3010) depending on the University. This is a MHS level 5 class.

Prerequisite: Spanish 1, 2, and 1010/1020, OR Spanish 1, 2, 3, and 4 with successful completion. (Exception: Should a student's academic goals be met only through AP classes, that student may move from level 3 into AP as a junior with the expectation of taking the AP class for 2 years and taking the exam their senior year. This decision should be made with their counselor and teacher recommendation.)

For motivated students, this course utilizes a 2nd year college level curriculum that uses a variety of reading and listening information from authentic sources in Spanish (short stories from a variety of Spanish countries, articles, radio broadcasts, cultural perspective pieces) from which you will be able to summarize main points, form opinions, and make inferences. You will learn to write essays, have conversations, and give 2 minute presentations. Grammar will have been thoroughly taught in your previous courses, so will not be the focus of this course: it is briefly reviewed as encountered in the texts and workbook. All activities are geared toward the proficiency the student needs to acquire to successfully pass the AP Spanish exam. Its goal is FLUENCY AT LAST! Fee: Student workbook \$21.

MATHEMATICS

In grades 9-12, 3 units of Mathematics credit from two of the following areas are required for graduation: Secondary I, Secondary II, and Secondary III.

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
AP Calculus B-C	Mathematics	STEM, Technology
AP Calculus A-B	Mathematics	STEM, Technology
College Prep Mathematics	Mathematics	STEM, Technology
Math Decision Making for Life	Mathematics	STEM, Technology
Pre-Calculus	Mathematics	STEM, Technology
Secondary Level Math II	Mathematics	STEM, Technology
Honors Secondary Level Math II	Mathematics	STEM, Technology
Secondary Level Math III	Mathematics	STEM, Technology
Honors Secondary Level Math III	Mathematics	STEM, Technology
SLCC College Algebra 1050	Mathematics	STEM, Technology
SLCC College Algebra 1030	Mathematics	STEM, Technology
SLCC Statistics 1040	Mathematics	STEM
SLCC Trigonometry 1060	Mathematics	STEM, Technology

ADVANCED PLACEMENT CALCULUS B-C

ADVANCED PLACEMENT CALCULUS B-C LAB

Grade(s): 11 & 12

Length of class: This is a full year course, requiring two periods, and will give you 2 credits.

Prerequisite: Successful completion of College Algebra 1050/Trigonometry 1060 or in high school Pre-Calculus.

This course is designed for those desiring a more in-depth treatment of calculus and will cover the concepts necessary to pass the Advanced Placement (B-C) exam. Students taking this course are expected to take the exam, must be prepared to move quickly, and spend a significant amount of time outside of class in study and preparation. The content of the course is approximately the same as 2 semesters of university freshman calculus. Passing the B-C exam generally allows students to skip the first two levels of calculus at the university level, depending on individual university policies. There will be an additional fee for the AP exam. A graphing calculator is required. Also, it is recommended that students have a B or better in the prerequisite courses.

ADVANCED PLACEMENT CALCULUS A-B

Grade(s): 11 & 12

Length of class: This is a full year course, and will give you 1 high school credit.

ADVANCED PLACEMENT CALCULUS A-B

Course number: 5501/5502

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Successful completion of College Algebra 1050/Trig 1060, or in high school College Algebra/Trig.

This course is designed to teach the concepts necessary to pass the Advanced Placement (A-B) exam. Students taking this course are expected to take the exam, must be prepared to move quickly, and spend a significant amount of time outside of class in study and preparation. The content of the course is approximately the same as a one-semester university freshman calculus course. Passing the A-B exam generally allows students to skip the first level of calculus at the university level, depending on individual university policies. There will be an additional fee for the AP exam. A graphing calculator is required. Also, it is recommended that students have a B or better in the prerequisite courses.

COLLEGE PREP MATHEMATICS

Grade(s): 12

Length of class: Full year, 1 credit.

Prerequisite: Secondary III

College Prep Math formalizes and reinforces concepts from the Secondary Mathematics series to provide students with the foundational skills and understanding prerequisite to College Algebra (1050). Students will reason abstractly and quantitatively while solving linear and quadratic equations and linear inequalities. They will efficiently use polynomial and rational

expressions and functions, radicals and complex numbers, and exponential and logarithmic expressions and functions to model and solve mathematical problems. They will explore conic sections and represent parabolic data. Throughout this course, students will make sense of problems and persevere in solving them, use tools strategically, and attend to precision.

MATHEMATICAL DECISION MAKING FOR LIFE

Grades(s): 11 & 12

Length of class: Full year

Prerequisites: Successfully complete Secondary Math II.

Mathematical Decision Making is a full year course for juniors and seniors. The course includes mathematical decision making in finance, modeling, probability and statistics, and making choices. The four quarters of instruction are independent of each other, allowing students to enter and exit the course quarterly. Students will make sense of authentic problems and persevere in solving them. They will reason abstractly and quantitatively while communicating mathematics to others. Students will use appropriate tools, including technology, to model mathematics. Students will use structure and regularity of reasoning to describe mathematical situations and solve problems.

PRE-CALCULUS

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Successful completion of Algebra 2.

Through the integration of technology, problems will be explored numerically, analytically and/or graphically, thereby building a deeper understanding of algebraic concepts. Specific topics will include transformations, logarithms, parametric equations, polynomials, trigonometry and analytical geometry. A graphing calculator is required. Also, it is recommended that students have a C or better in the prerequisite courses.

SECONDARY LEVEL MATH II

Grade(s): 10, 11, 12

Prerequisite: Successful completion of Secondary Level Math I

Students in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.

HONORS SECONDARY LEVEL Math II (For Calculus)

Grades(s): 10

Length of class: Full year

Prerequisites: Successfully complete Honors Secondary Math I.

This course is intended for students who plan to take AP Calculus their senior year.

Students in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and the right triangle trigonometry, and study circles with their quadratic algebraic representations.

Honors students will also represent complex numbers and their operations on the complex plane, solve systems of equations, prove and apply trigonometric identities, express conic sections algebraically, and solve problems using volume measurements. *The honors course is fast paced and rigorous. Students who take this course should plan to be challenged and spend significant time on assignments outside of class time.*

SECONDARY LEVEL MATH III

Grades(s): 10, 11 & 12

Prerequisite: Successful completion of Secondary Level Math I & II

Students in Secondary Mathematics III will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems.

HONORS SECONDARY LEVEL Math III (For Calculus)

Grades(s): 11

Length of class: Full year

Prerequisites: Successfully complete Honors Secondary Math II.

Recommendations: B's or higher in Secondary Math II H

This course is intended for students who plan to take AP Calculus their senior year.

It is in Mathematics III that students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems.

The honors course is fast paced and rigorous. Students who take this course should plan to be challenged and spend significant time on assignments outside of class time.

SLCC INTERMEDIATE ALGEBRA 1010

Grade(s): 12

Length of class: One semester: ½ high school credit, 4 hours college credit.

Prerequisite: Meet the Concurrent Enrollment Course Prerequisites of: Pass Secondary Math 3 with a C average or CPT Reading 75 or ACT reading 18 and CPT College Alg 40 or ACT Math 20

Topics of study include linear and quadratic equations and inequalities, polynomials and rational expressions, radicals, negative and rational exponents, complex numbers, systems of equations, introduction to functions including logarithms and exponential functions. Real world applications of topics will be addressed throughout the course. It is recommended that the student had a C or better in Math 3. Additional fees may be required for this course. A graphing calculator is NOT allowed for this class. **SLCC Tuition Fee of \$20.00.**

SLCC COLLEGE ALGEBRA 1030

Grade(s): 12

Length of class: One semester: ½ high school credit; 3 hours college credit.

Prerequisite: Meet Concurrent Enrollment Course Prerequisites of: CPT Reading 81 or ACT reading 20 or SAT of 520 and CPT Math 43 or ACT Math 23 or SAT of 540, or pass SLCC Math 1010 with a “C” or better.

Math 1030 is a course that takes algebraic, statistical, and geometric concepts and applies them to real world situations. This course may be an appropriate culminating mathematics course for general studies or liberal arts students majoring in humanities or other non-science programs. The focus of the course is to familiarize students with the role logical and quantitative thinking play in our society and on the development of problem solving skills and the application mathematical concepts to real life problems. **SLCC Tuition Fee of \$15.00.**

SLCC COLLEGE ALGEBRA 1050

Grade(s): 12

Length of class: One semester: ½ high school credit; 4 hours college credit.

Prerequisite: Meet Concurrent Enrollment Course Prerequisites of: CPT Reading 81 or ACT reading 20 or SAT of 520 and CPT Math 43 or ACT Math 23 or SAT of 540, or pass

SLCC Math 1010 with a “C” or better.

This college algebra course is an appropriate course to satisfy quantitative literacy requirements for students majoring in physical, computational, engineering, or biological sciences; or those students planning to include calculus in their studies. It is recommended that the student had a C or better in the high school Math 3 course. Additional fees may be required for this course. A graphing calculator is required. Graphing calculators programmed with CAS are NOT allowed. This means TI-89, TI-92, TI-Inspire, or like models are NOT allowed. Examples of approved graphing calculator models are TI-83, TI-84, TI-85, TI-86, or like models. **SLCC Tuition Fee of \$20.00.**

SLCC STATISTICS 1040

Grade(s): 12

Length of class: One semester: ½ high school credit; 3 hours college credit.

Prerequisite: Meet Concurrent Enrollment Course Prerequisites of: CPT Reading 71 or ACT reading 20 or SAT of 520 and CPT Math 43 or ACT Math 23 or SAT of 540, or pass

SLCC Math 1010 or higher with a “C” or better.

This course is an appropriate course to satisfy quantitative literacy requirements for students majoring in social and behavioral sciences, humanities and health sciences. Topics include descriptive statistics; regression and correlation; sampling design; probability; sampling distributions; inferential techniques, including confidence intervals and hypothesis testing. It is recommended that the student had a C or better in the high school Algebra 2 course. Additional fees may be required for this course. A graphing calculator is required. Graphing calculators programmed with CAS are NOT allowed. This means TI-89, TI-92, TI-Inspire, or like models are NOT allowed. Examples of approved graphing calculator models are TI-83, TI-84, TI-85, TI-86, or like models. **SLCC Tuition Fee of \$15.00.**

SLCC TRIGONOMETRY 1060

Grade(s): 12

Length of class: One semester: $\frac{1}{2}$ high school credit; 3 hours college credit.

Prerequisite: Meet Concurrent Enrollment Course Prerequisites of: CPT Reading 71 or ACT reading 20 or SAT of 520 and CPT Math 43 or ACT Math 23 or SAT of 540, or pass SLCC Math 1050 with a "C" or better.

Plane trigonometry topics include circular functions, graphs of trigonometric functions; identities and equations; solutions of right triangles and oblique triangles; polar coordinates complex numbers; vectors and parametric equations. A graphing calculator is required. Additional fees may be required for this course. A graphing calculator is required. Graphing calculators programmed with CAS are NOT allowed. This means TI-89, TI-92, TI-Inspire, or like models are NOT allowed. Examples of approved graphing calculator models are TI-83, TI-84, TI-85, TI-86, or like models.

SLCC Tuition Fee of \$15.00.

PHYSICAL EDUCATION

1.5 units of Physical Education are required for graduation.

Participation Skills, grade 9

Fitness For Life, grade 10

PE elective, grades 11 or 12

The successful completion of two seasons of MHS varsity sports participation in grade 11 or 12 will waive the .5 elective PE credit required in 11th or 12th grade.

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Cheerleading	Physical Education	Arts & Social
Dance Company	Physical Education, Art	Arts
Drill Team	Physical Education	Arts
Fitness for Life	Physical Education	Arts
Men's Athletics	Physical Education	Arts
Modern Dance 1	Physical Education, Art	Arts
Modern Dance 2	Physical Education, Art	Arts
Social Dance	None	Arts
Sports Skills & Techniques	Physical Education	Arts
Swim Team	Physical Education	Arts
Weight Lifting	Physical Education	Arts
Weight Lifting, Advanced	Physical Education	Arts
Women's Athletics	Physical Education	Arts

CHEERLEADING

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have successfully tried out and been elected cheerleader.

Junior Varsity and Varsity cheerleaders, as well as the Spartan Man mascot are judged, evaluated by teachers, and elected by the student body. These try outs are held in the spring for the following year. Cheerleading requires huge commitment to the sports at Murray High. The cheerleaders are required to attend all football and basketball games, wrestling meets, and other sports events as much as possible. This course can be applied to elective P. E. credit. A participation fee of \$20 is required. There is also a club fee of \$20. This does NOT include the camp fee. The uniform fee of \$300 is also required.

DANCE COMPANY

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have a successful audition in May.

The Murray Dance Company is a class for girls who have auditioned for and made the Dance Company. The company is made up of 16-20 girls. They must have and maintain a 2.5 GPA throughout the school year. They perform for the student body at assemblies as well as put on their own Christmas and Spring Concerts. The girls develop their dancing and performing skills as well as have the opportunity to choreograph their own dances. In addition, they will also take exams on dance terminology, muscles, and dance history. They must attend four dance concerts throughout the year. They spend approximately \$300 on costumes.

DRILL TEAM

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must have a 2.5 GPA and must be successful in the audition that happens the last week of March.

The drill team is made up of 16-18 girls. Try-outs are held in March for the following school year. Girls are judged on splits, toe touches, flexibility, dance technique, and showmanship. Throughout the school year members are required to perform at all football and basketball home games. They also compete in 4 competitions. Drill team provides an excellent opportunity for dedicated dancers to improve their skills and perform. It is also a great opportunity for those wishing to continue with dance in college. Girls spend \$500 to \$1000 over the course of the year. \$20 fee.

FITNESS FOR LIFE

Grade(s): 10

Length of class: One semester, ½ credit.

This course will help you adopt a personal lifestyle that will achieve physical fitness. You will identify and understand all of the components of fitness such as heart-lung fitness, strength, flexibility, endurance, weight control, nutrition, and stress management. Fitness for Life includes classroom instruction as well as active participation.

MEN'S ATHLETICS

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit

For athletes who intend to participate in MHS UHSAA sanctioned sports during the current school year, this course is designed to maximize athletic potential and build a strong work ethic. Students will be expected to participate in rigorous sprint, plyometric, and weight training with maximum effort. Those who do not intend to give 100% every day need not apply.

MODERN DANCE

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

This class is for anyone interested in taking dance. You will learn dance technique and terminology as well as learning some of the large skeletal muscles. You will be taught how to increase flexibility, strength, and coordination. You will work in small and large groups on your own compositions. You will be required to attend one dance concert per term.

MODERN DANCE 2

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

This course provides experience in dance technique and the development of such things as strength, flexibility, and coordination. You will learn some of the large skeletal muscles. You will expand your dance vocabulary and develop your creative abilities through your own choreography. The dances you will learn will be more challenging than the dances taught in Modern Dance 1. You will be required to attend one dance concert per term.

SOCIAL DANCE

Grade(s): 11 & 12

Length of class: One semester, ½ credit. Elective Credit.

This course (open to young men and women) will teach students the basics to a variety of social dance forms. Students will explore everything from ballroom waltz and swing to country line and folk dances. Learning basic steps, rhythms, and styles, students will be able to perform dance hall favorites.

SPORTS SKILLS & TECHNIQUES

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

This course is designed to develop participation skills in a variety of team and individual sports activities. Students will be expected to reach and maintain a minimum level of physical fitness through participation in the activities which are taught. You will be graded on participation, attendance, fitness, and skill acquired in individual lifetime sports. This class will participate in bowling off campus. There is a class fee of \$20.

SWIM TEAM

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit

Prerequisite: Prior competitive swimming experience and the coach's approval.

This course is a very demanding class designed to enhance your swimming and water polo skills. Only students who have prior competitive swimming experience should enroll. \$25 fee.

WEIGHT LIFTING

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

This course will place emphasis on general body development, toning, weight-lifting, and aerobic fitness. Students will participate in sprint circuit training (weight machines, stair master, and aerobics) with an introduction to free weights. This

class counts as a P. E. credit toward graduation requirements for juniors and seniors. \$10 fee.

WEIGHT LIFTING, ADVANCED

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Before taking this class you must have successfully completed Weight Lifting.

This course is designed to introduce the student to advanced free weight and power lifting techniques. Students will participate in sprint circuit training (weight machines, stair master, and aerobics) with an introduction to free weights. This class counts as P. E. credit toward graduation requirements for juniors and seniors. \$10 fee.

WOMEN'S ATHLETICS

Grade(s): 10, 11,12

Length of class: One semester, ½ credit

For athletes who intend to participate in MHS UHSAA sanctioned sports during the current school year, this course is designed to maximize athletic potential and build a strong work ethic. Students are expected to participate in rigorous sprint, plyometric, and weight training with maximum effort.

HEALTH SCIENCE

.5 unit of Health credit is required for graduation. This requirement can be filled by taking Health Education, Introduction to Health Science, or SLCC Advanced Health 1500.

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Certified Nursing Assistant (CNA)	Technology	Science, Technology & Social
Emergency Medical Technician	Technology	Science, Technology & Social
Health Education	Health	
Introduction Health Science	Health (.5) & Technology (.5)	Science & Technology
Sports Medicine/Exercise Science	Technology	Science, Social & Technology

CERTIFIED NURSING ASSISTANT (CNA)

Grade(s): 11 & 12

Length: One semester, two period class, 1 credit.

This program prepares individuals to perform routine nursing related services for patients in hospitals or long-term care facilities under the supervision of a registered or licensed practical nurse. The course work prepares students to take the state CNA certification test. Students will be required to complete off campus clinic work. There is a \$30 fee for this class. Incorporated into this class is Medical Terminology, SLCC MA 1100, a 2-hour concurrent enrollment class.

EMERGENCY MEDICAL TECHNICIAN

Grade: 12 Senior's must be 18 by October 1st 2017.

Length of Class: Full year, two periods

Prerequisite: Successful completion of Biology

This course prepares students to pass the state EMT certification test. EMTs administer Basic Life Support to patients in emergency situations. There are some inherent risks in this training program. The course involves strenuous physical activity, lifting and moving patients, possible exposure to body fluids, use of mechanical and electrical devices, and performance of tasks in less than ideal circumstances. Clinical training (riding with ambulance or fire truck) will take place in the evenings and some Saturdays. Students may be required to have hepatitis vaccinations.

HEALTH EDUCATION

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

This is a basic health class for all students. The first term emphasizes the physical, mental, and social dimensions of health so that you will become effective consumers of health information. The second term emphasizes the State Board of Education requirement for alcohol, drug, tobacco education, pregnancy, nutrition, disease prevention, and first aid awareness. Human sexuality and AIDS will be discussed. This course is required for graduation.

INTRODUCTION TO HEALTH SCIENCE

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

This class is a preparatory class for the SLCC Human Biology 1090 class. A student will earn .5 of Technology credit as well as .5 Health Education credit. You must pass all four term to receive the .5 of health and technology credit. This class is designed for any student who is thinking of a career in the health field. There is a \$5 fee for this class.

SPORTS MEDICINE/EXERCISE SCIENCE

Grade(s): 12

Length of class: Full year, 1 credit.

This course is designed for those that want to specialize in sports medicine, athletic training or related fields. This course focuses on prevention, treatment, and evaluation of sports related injuries.

SCIENCE

**3.0 units of Science credit are required. Two of the credits must come from the following areas:
Earth Systems (9th Grade), Biology, Chemistry, or Physics**

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
AP Biology	Science	Science
AP Chemistry	Science	Science
AP Physics C: Mechanics	Science	Science
Biology	Science	Science
Chemistry	Science	Science
Honors Chemistry	Science	Science
Organic Chemistry	Science	Science
Environmental Science	Science	Science
Physics	Science	Science
SLCC Bio 1010: Intro to Biology	Science	Science, Technology
SLCC Bio 1090: Intro to Human Bio	Science, Technology	Science, Technology
SLCC Biotechnology 1010	Science, Technology	Science, Technology
Zoology	Science	Science

AP BIOLOGY

Grades(s): 10, 11 & 12 (10th grade only with successful completion of Biology in 9th grade)

Length of class: full year, 1 credit

Prerequisites: Successful completion of Biology

This is a college-level biology course. All aspects of biology are examined with an emphasis on biochemistry, molecular genetics, evolution and anatomy/physiology. Interested students should have a strong interest in biology and an excellent work ethic. Students should be prepared to move quickly through topics and to spend a significant amount of time out of class studying. Most students will need to spend a minimum of one hour a day (approximately five hours a week) studying outside of class. In May, students will take the AP exam. A passing score of 3 or higher on this exam may give the student up to 8 semester hours of college credit and may allow them to begin advanced biology studies as a freshman in college. The AP exam costs \$86. It is recommended that students have completed biology with an A and chemistry with a B (or higher) before taking AP biology. It is also highly recommended that you speak with the instructor before enrolling in this course.

AP CHEMISTRY

AP CHEMISTRY LAB

Grade(s): 11 & 12

Length of class: This is a three semester course that will give you 1.5 science core credits.

Recommended Guidelines: Before taking this class, the successful completion of Honors Chemistry (B⁺ or better) or Chemistry (grade A) is recommended, as well as strong algebra skills.

AP Chemistry is a College class. Students taking this second year chemistry course must be prepared to move quickly and spend a significant amount of time outside of the classroom in study. A pass score of 3 or higher from the AP Chemistry Exam in May, can give students up to 10 semester hours of College credit and may exempt them from a Full year of College Chemistry (General Chemistry 1 + lab and General Chemistry 2 + lab). Between 2011 and 2015, 81% of MHS students passed the AP Exam with at least a grade 3 compared to only 54% globally, with a high proportion achieving a grade 5. \$92.00 is charged for the AP Exam. Topics studied are fairly mathematical and include:

Atomic structure; bonding and shapes of molecules; mole calculations; thermodynamics; kinetics; equilibrium; redox and acid-base theory. It is recommended that before enrolling in this class students have successfully completed Honors Chemistry with a B⁺ or better or Chemistry with an A or better. Strong algebra skills are also recommended.

AP PHYSICS C: MECHANICS

Grade(s): 11 & 12

Length of class: Full year, 1 credit

Prerequisites: Successful completion of, or concurrent enrollment in, Secondary Math Level III or equivalent and completion of a chemistry course.

This is a one-year, college level course that is equivalent to the first calculus based physics class in a college physics or engineering sequence. The calculus required for the course will be taught throughout the year thus it is not necessary to be familiar with calculus in advance. Strong motivation, a creative mind, and smart study skills are essential for success. There is a \$15 fee for this course.

BIOLOGY

Grade: 10

Length of class: Full year, 1 credit.

This course emphasizes the following topics: genetics, evolution, ecology, and scientific process. You will learn problem solving, and how to communicate and work in groups. This course meets state core requirements for science.

CHEMISTRY

Grade(s): 10, 11 & 12

Length of class: This is a full year course that will give you 1 science core credit.

Recommended Guidelines: This first year chemistry course is recommended for students who plan to attend college, who are not strong in math and are very **unlikely** to major in a science, engineering, health or medical field (see Honors Chemistry). It is recommended that before taking this course, students successfully complete Secondary Math 1 with a grade C or better. No previous knowledge of chemistry is required.

“The greatest inventions are those inquiries which tend to increase the power of man over matter,” Benjamin Franklin once wrote. Chemistry... is the study of matter. The course emphasis is on developing an understanding of atoms, which of course, we cannot even see! What are atoms made up of? How do they join together to make different structures? Can we understand the properties of materials from these structures?

HONORS CHEMISTRY

Grade(s): 10, 11 & 12

Length of class: This is a full year course that will give you 1 science core credit.

Recommended Guidelines: Before taking this class, the successful completion of Secondary Math I (B⁺ or better) is recommended. No previous knowledge of chemistry is required.

This first year chemistry course is for those who enjoy being challenged and is a fast moving, in-depth study of chemistry. It is **strongly recommended** for college bound students who have good math skills and/or an interest in science, engineering, health or medical fields. It also provides an excellent foundation towards AP Chemistry or General Chemistry 1 and 2 at college.

ORGANIC CHEMISTRY

Grade(s): 11 & 12

Length of class: A semester class (only available 2nd semester) that will give you 0.5 elective credit.

Guidelines: Before taking this class, the successful completion of Honors Chemistry or Chemistry is recommended. Organic Chemistry can be taken before, after or with AP Chemistry.

What is all the fuss over Crude oil? A one semester introduction into the world of CARBON chemistry, otherwise known as the “element of life”. Topics studied include structure, names and properties of organic compounds by functional group, with an emphasis being placed on stereochemistry and reaction mechanisms.

Organic Chemistry is recommended for college bound students who have a strong interest in science, engineering, health or medical fields.

ENVIRONMENTAL SCIENCE

Grade(s): 11 & 12

Length of Class: Full year

This course is designed to give students a foundation in environmental science. Various topics will be addressed including natural history, the interaction between biotic and abiotic factors in the environment, ecology, humans and resource consumption, sustainability, pollution, and global climate change (e.g. global warming and loss of biodiversity). Students will

participate in laboratory activities and will be required to gather, analyze and graph data. It is recommended that students take biology before taking this course.

PHYSICS

Grade(s): 11 & 12

Length of class: Full year, 1 credit

Prerequisites: Successful completion of Chemistry and Secondary Math Level II or equivalent.

This is a college preparatory, introductory algebra based physics course. In this course, students will learn about and apply the laws governing motion, electricity and magnetism, atomic structure, and waves in addition to other topics as time allows. As this is an upper level course, students are expected to demonstrate college-level maturity, behavior, and work. The course is algebra based. Students must be proficient with basic algebra, trigonometry, and geometry in order to succeed in the course. Students will leave this class prepared to succeed in calculus based physics at the university level.

SLCC 1010 INTRODUCTION TO BIOLOGY

Grade(s): 11 & 12

Length of class: Full year, 1 credit, 4 hours college credit

Prerequisites: Meet Concurrent Enrollment Course Prerequisites of: Reading CPT of 58 or ACT of 16 or SAT 420

This course is an introduction to biology for non-science majors and fulfills general education requirements. The content consists of a survey of living diversity from bacteria to plants and animals. The course will introduce cell structure and physiology, inheritance, evolution and classification. Concurrent enrollment in the lab is required. Laboratory study will include experimentation and analysis illustrating important biological principles. Before taking this class, it is recommended that students successfully complete a sophomore level science class. **SLCC Tuition Fee of \$20.00.**

SLCC BIOTECHNOLOGY 1010

Grade(s): 11 & 12

Length of class: Full year, 1 credit, 4 hours college credit

Prerequisite: Prerequisites: Meet Concurrent Enrollment Course Prerequisites of: Teacher Approval and successful completion of Sec. Math Level 1, Biology or Chemistry. Student should have good Math & English Skills.

Students enrolled in this course will earn 1 year of Technology credit or 1 year of science elective credit. Students will perform many labs which include genetic engineering, analysis of bacterial and human DNA, human disease diagnostics, DNA sequencing, protein purification, antibiotic resistance and more. Scientific writing and mathematical analysis of lab results will be emphasized. This course includes a \$40 fee. It is recommended that students taking Biotechnology have previously earned a B in Algebra 1 and a B in English. **SLCC Tuition Fee of \$20.00.**

SLCC INTRODUCTION TO HUMAN BIOLOGY 1090

Grade(s): 11 & 12

Length of class: Full year, 1 credit, 3 hours college credit

Prerequisites: Meet Concurrent Enrollment Course Prerequisites of: Reading score on CPT of 58 or ACT 16 or SAT 420

This course is an introductory biology course for non-science majors and fulfills general education requirements. The course introduces the scientific process, the chemical and cellular basis of the human body, the role of DNA in the continuity of life, and the interrelationships of humans and other living organisms. This course will provide students with a basic understanding of the structure and function of the various systems of the human body.

This class does not meet the prerequisite requirement for any biology class. Before taking this class, it is recommended that students successfully complete a sophomore level science class with a C or better. **SLCC Tuition Fee of \$15.00.**

ZOOLOGY

Grade(s): 11 & 12

Length of class: Full year, 1 credit

This is a year-long science elective class studying the various animal kingdoms. We will be learning the individual characteristics of each major animal group, including but not limited to: mammals, birds, amphibians, fish, reptiles, invertebrates, and insects. Students will use a variety of lab situations to learn about these animals. Dissection of animals will be done in class, and students are expected to participate in these dissections to pass the course. Successful completion of biology is recommended, but not required.

SOCIAL STUDIES

2.5 units of Social Studies credit are required for graduation.

Grade 9: Geography

Grade 10: World Civilizations or AP World History

Grade 11: U. S. History or AP U. S. History

Grade 12: U.S. Government and Citizenship or A.P. U.S. Government and Comparative Politics

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
AP Art History	Elective	Social & Art
AP Psychology	Elective	Social
AP U. S. Government & Comparative Politics	Social Studies	Social
AP U. S. History	Social Studies	Social
AP World History	Social Studies	Social
Law Enforcement	Elective	Social
Peer Leadership Team	Elective	Social
Latinos in Action	Elective	Social
Peer Tutor	Elective	Social
Psychology 1	Elective	Social & Science
Psychology 2	Elective	Social & Science
Psychology, Sports	Elective	Social & Science
Sociology 1	Elective	Social & Science
Sociology 2	Elective	Social & Science
U. S. Government & Citizenship	Social Studies	Social
U. S. History	Social Studies	Social
World Civilizations	Social Studies	Social

AP ART HISTORY

Grade(s): 11 & 12

Length of class: full year

Prerequisites: None

Students will learn to critically analyze works of art within diverse historical and cultural contexts, considering issues such as politics, religion, patronage, gender, and ethnicity. Students will also explore major forms of artistic expression including architecture, sculpture, painting, and other media from across a variety of cultures. In learning about the purpose and function of art, students will develop an ability to articulate visual and art historical concepts in verbal and written form.

AP PSYCHOLOGY

Grades(s): 11 & 12

Length of class: Full year, 1 high school credit, up to 6 college credits for passing the AP Exam

Prerequisites: Successfully complete Psychology 1 with a grade of B or higher. Students who do not meet the criteria may take the course if they can show successful completion of a previous AP or honors class at Murray High School.

AP Psychology will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

The fields or subfields taught in the course include: History and early approaches to psychology, research methods, biological basis of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality development, testing and individual differences, abnormal behavior (psychological disorders), treatment of abnormal behavior (therapies) and social psychology.

AP U. S. GOVERNMENT & COMPARATIVE POLITICS

Grade(s): 11 & 12

Length of Class: One year, 1 credit.

Prerequisite: Strongly recommended that prior Honors/A.P. courses have been taken, especially in Social Studies/English. This college-level course prepares you to take both the A.P. U.S. Government and the A.P. Comparative Government & Politics tests in May. It is an intense look at the philosophical foundations of American democracy, the Constitution, federalism, political beliefs, political parties, interest groups, the branches of the U.S. government, public policy making, and civil rights/civil liberties. In addition, we will study the governments of China, Great Britain, Mexico, Nigeria, Russia, and Iran to see how they compare to the U.S. Government. This course fulfills the required U.S. Government & Citizenship class required.

AP UNITED STATES HISTORY

Grade(s): 11

Length of class: Full year, 1 credit.

This is a college-level U. S. History survey course. In addition to the study of a college text, you will learn how to write analytical historical essays based on general knowledge and on historical documents. The class counts as the required junior-level U. S. History course. All students in this class are expected to take the AP exam in May. Detailed information about this course is available at: <http://www.murrayschools.org/schools2/mhs/apus/default.htm>

AP WORLD HISTORY

Grade(s): 10, 11 & 12

Length of class: full year

Prerequisites: Successful completion of 9th grade Geography.

This is a college level course that approaches World History from 8000 B.C.E. to present day in a nontraditional way in that it looks at the common threads of humanity over time- trade, religion, politics, society, and technology- and it investigates how these things have changed and continued over time in different places. The emphasis of this course is preparation for the AP exam, and is reading and writing intensive. This class will fill the World Civilizations credit for sophomores.

LAW ENFORCEMENT

Grade(s): 12

Length of class: One Semester, ½ credit.

It is essential that law enforcement be understood in its proper perspective. The action and excitement normally associated with police work is only a small part of this occupation. Students will be allowed to participate in various law enforcement activities such as field trips, training exercises, and ride-alongs. Also included are human relation skills, the use of proper English, math, speech abilities, and development of advanced police science skills.

PEER LEADERSHIP TEAM

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Before taking this class you must fill out an application and be accepted into the course. If you are interested, please see Ms. Waite.

The purpose of the Peer Leadership team is to promote the prevention of drug and/or alcohol use and abuse among children and teens in the community. The PLT is involved in a number of activities with elementary, junior, and senior high school students teaching peer refusal skills. Attendance at a 3-day summer training camp is mandatory. Students must maintain a 2.5 GPA. There is a \$20 fee.

LATINOS IN ACTION

Grade(s): 10, 11 & 12

Length of Class: Full Year, 1 credit

Prerequisite: Before taking this class you must fill out an application and be accepted into the course. If you are interested, please see Ms. Romo.

This class is set up at the high school & junior high schools to support bi-lingual Latino students in utilizing their language skills to support the school and community. This class teaches students the importance of serving others, as well as succeeding academically in the process. Prerequisite: Before taking this class you must fill out an application and be accepted into the course. A GPA of 2.50 and membership in another school club or athletic team is required.

This class will push these students toward a post high school education and to serve as Para-educators and role models for younger Hispanic students in our local elementary and junior high schools. LIA students are expected to render service in their community, serve as role models, and develop their academic skills.

PEER TUTOR

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Before taking this class you must have a sincere interest in working with students with disabilities or an interest in a teaching career or related field.

Peer Tutoring is a unique experience in which you learn skills to teach students with disabilities both in the classroom and in the community. The purpose is to provide the students with disabilities a peer role model, tutor, and an advocate in order to help students with disabilities have the most "normal" high school experience possible. Grades are determined by written assignments, evaluations of tutoring skills, term projects, and social activities with students with disabilities.

PSYCHOLOGY 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

This course introduces the student to the study of the behavior of individuals. It emphasizes the manner in which individuals apply psychological theories and concepts to better understand their own understanding, their motives, and their relationships with other people.

PSYCHOLOGY 2

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Successful completion of Psychology 1

This course is for those students who want to continue their study of human behavior.

PSYCHOLOGY, SPORTS

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

This class is designed to help anyone who wants to understand the dynamics of sports or just be able to compete better in athletic competitions. The class will deal with two major aspects of sports or life skills, psychology and physiology. One term will be spent for each aspect. The class rotates at the term break. Psychology will include motivation, relaxation techniques, visualizations, trigger points, body memory, affirmation, understanding the responsibility of success, stress, and confidence. Physiology will include preparation for physical activities, cardiovascular fitness, aerobic, anaerobic, flexibility, endurance, body mechanics, and exercise cautions. There will be classroom time, experiments, guest speakers, and labs to assist the learning process.

SOCIOLOGY 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit

This course is designed to help students gain a better knowledge of the scientific study of human societies and social behavior. Students will study society, one's role in it, issues and problems, social change, and social movements. It includes the study of sociological perspectives, culture, society, socialization, interaction, groups, deviance, family, education and social class.

SOCIOLOGY 2

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Prerequisites: Successful completion of Sociology 1.

This class is for those who would like to continue their study of sociology. The course is designed to further the students understanding of the scientific study of societies and one's role in society. It will include the study of gender, race, aging, the economy, politics and government. We will further study social and global stratification, religion, health and medicine, the environment, as well as social change.

UNITED STATES GOVERNMENT AND CITIZENSHIP

Grade(s): 12

Length of class: One semester, ½ credit.

This course introduces students to a study of ideas, philosophies, and background of American government and social issues; a study of the Constitution, an understanding of the American political and legal system, and the responsibilities of citizenship and character. The course will provide application of knowledge in the areas of responsibility, rights, governmental functions, civic participation, and current social concerns.

UNITED STATES HISTORY

Grade(s): 11

Length of class: Full year, 1 credit.

A review of U. S. History will precede the study of basic geographic, economic, social, political, and historical developments in the United States following Reconstruction to the present. Particular emphasis is placed on the Constitution, the American system of government, and law-related citizenship education. Students will identify ways to solve problems, make decisions, and participate as responsible citizens of the United States, while developing basic tools of historical interpretation, research, and analysis.

WORLD CIVILIZATIONS

Grade(s): 10

Length of class: One semester, ½ credit.

Students will learn about the contributions of major cultures and societies throughout the world. The course addresses ancient and modern civilizations, world religions, and a comparative unit on revolutions. The course stresses diverse economic, political, religious, and social systems. Historical perspective will be provided for major world events and movements. Understanding historical differences that lead to conflict and resolution will be emphasized. Students will develop a knowledge and an appreciation for the contributions of many diverse peoples to the collective achievements of the human race.

BUSINESS, COMPUTERS, MARKETING, & TECHNOLOGY

2.0 units of Technology Education credit are required for graduation.

Career Technology Education: 1.0 unit of credit required. This requirement can be filled by classes that give State Core technology credit.

Computer Technology: .5 unit of credit required.

Financial Literacy: .5 unit of credit required. Financial Literacy, SLCC Personal Finance 1050 or Adult Roles fill this requirement

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Accounting 1 & 2	Technology/Math	Admin. & Business
Principles of Computer Science	Technology	Admin, Business & Technology
Business Law	Technology	Admin. & Business
Business Management	Technology	Admin. & Business
Computer Programming 1A & 1B	Technology/Math	Admin., Business & Technology
Computer Technology	Computer Technology	Admin., Business & Technology
Financial Literacy	Financial Literacy	Admin., Business & Technology
HTML APP. Development	Technology	Admin, Business & Technology
Introduction to Real Estate	Technology	Admin. & Business
SLCC CS 1400: Computer Programming 1	Technology/Math	Admin., Business & Technology
SLCC CS 1410: Computer Programming 2	Technology/Math	Admin., Business & Technology
SLCC MGMT 1600: Management Essentials	Technology	Admin., Business & Technology
SLCC FIN 1050: Personal Finance	Financial Literacy	Admin. & Business
Web Development	Technology	Admin., Business & Technology
Yearbook/Desktop Publishing	None/Technology	Social, Art/Business & Technology

ACCOUNTING 1

Grade(s): 11 & 12

Length of class: One semester, ½ credit. This course fulfills ½ credit of math for a graduation requirement.

Students will learn the language of accounting used in business and banking. Students will understand the basics of accounting from analyzing transactions to preparing financial statements for a sole proprietorship. FEE: \$15.00

ACCOUNTING 2

Grade(s): 11 & 12

Length of class: One Semester, ½ credit

Prerequisite: Successful completion of Accounting 1

Students will build upon the skills acquired in Accounting 1. Additional accounting skills such as preparing payroll, handling depreciation and uncollectible accounts, and calculating inventory will be developed. Students will apply accounting principles to merchandising businesses and prepare adjusting entries and financial statements for a corporation. FEE: \$15.00

BUSINESS LAW

Grade(s): 10, 11 & 12

Students will gain an understanding of the law as it relates to them currently and in their future. They will learn basic legal vocabulary, understand contract law, consumer laws, and employment laws. Students will participate in mock trials to better understand the court system. This course is recommended for any student who desires to work in or own any business.

BUSINESS MANAGEMENT

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

Students will gain an understanding of management concepts for future employment opportunities. Students will gain basic understanding of economics, global business, forms of business, entrepreneurship, planning and decision-making, human relations, marketing, management, leadership, and finance. Prerequisite: Successful completion of financial literacy suggested.

COMPUTER PROGRAMMING 1A

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit. This course fulfills ½ credit of math for a graduation requirement.

Prerequisites: Secondary Math 1

This course is designed to give students the opportunity to learn how to design computer programs and build simple graphical programs. It is a great way to get some programming experience and have some fun. By the end of the course students will have completed in designing and building a computer game.

COMPUTER PROGRAMMING 1B

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit. This course fulfills ½ credit of math for a graduation requirement.

Prerequisites: Computer Programming 1A or permission of instructor

This course builds off of the principles covered in Computer Programming I. Students will begin building more complex graphical programs. Students will work together in teams to design and build a group project using the Java language.

PRINCIPLES OF COMPUTER SCIENCE

Grade(s): 10, 11 & 12

Length of class: Full year.

Computer Science Principals is a course that follows a project to develop a computer science course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Concepts taught in this course include: Computing is a creative activity. Abstraction reduces information and detail to facilitate focus on relevant concepts. Data and information facilitate the creation of knowledge. Algorithms are used to develop and express solutions to computational problems. Programming enables problem solving, human expression and creation of knowledge. The Internet pervades modern computing. Computing has global impacts.

COMPUTER TECHNOLOGY

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisites: Keyboarding or word processing of 25 words per minute.

An introduction to computer application software that encompasses document processing, spreadsheets, and presentations. An understanding of ethics and use of operating systems, information resources, and electronic mail is included. Skills gained will be demonstrated by creating a project for different content areas.

FINANCIAL LITERACY

Grade(s): 11 & 12

Length of class: One semester, ½ credit.

The General Financial Literacy Core is designed for junior and senior students and represents those standards of learning that are essential and necessary for all students. The implementation of the ideas, concepts, knowledge, and skills contained in the General Financial Literacy Core will enable students to implement those decision-making skills they must apply and use to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, and members of a global workforce and society.

HTML APPLICATION DEVELOPMENT FUNDAMENTALS

Grade(s): 10, 11 & 12

Prerequisite: Web Development 1A

This course will provide students with core HTML5 client application development skills that will run on today's touch-enabled devices (PCs, tablets, and phones). Although HTML is often thought of as a web technology that is rendered in a browser to produce a UI, this course focuses on using HTML5, CSS3, and Java Script to develop client applications.

INTRODUCTION TO REAL ESTATE

Grade(s): 10 - 12

Length of Class: One semester, ½ credit.

Prerequisite: None

Students will be introduced to real estate basics that include the scope of the real estate business, usage of land, land description, ownership, contracts, deeds, mortgages, title search, and closes, liens, financing sources, the appraisal process, investments in real estate, and the sales and marketing process. Students will broach real estate marketing and sales through ethics, employee and customer relations, use of product knowledge, and the use of advertising and the media. Exposure to real estate terminology, forms, and contracts is an integral part of this class.

SLCC 1400 COMPUTER PROGRAMMING 1

Grade(s): 11 & 12

Length of Class: 1 Semester, 0.5 credit

Prerequisite: Computer Programming, AP Principles of Computer Science or Permission of Instructor

This course is concurrent enrollment and will allow students to earn college credit. The course covers design and basic programming structures. Students will use Java programming constructs to design and build a simple game. **SLCC Tuition Fee of \$15.00.**

SLCC 1410 COMPUTER PROGRAMMING 2

Grade(s): 11 & 12

Length of Class: 1 Semester, 0.5 credit

Prerequisite: SLCC 1400.

This course is concurrent enrollment and will allow students to earn college credit. Students will build off of the knowledge from 1400 and be able to design and build more complex programs using the Object-Oriented Programming model. **SLCC Tuition Fee of \$15.00.**

SLCC MGMT 1600: MANAGEMENT ESSENTIALS

Grade(s): 11 & 12

Length of Class: One semester. ½ credit high school credit, 3 hours college credit.

This course focus is on management essentials for entry-level managers. There will be an emphasis on management concepts and group work and exams. Active participation in FBLA is an expectation of this course. Prerequisite: Successful completion of financial literacy suggested. **SLCC Tuition Fee of \$15.00.**

SLCC PERSONAL FINANCE 1050

Grade(s): 11 & 12

Length of Class: One semester, ½ credit.

This course emphasizes the need for wise use of financial resources. Through a study of credit, insurance, banking, real estate, taxation, saving, and financial products, the student explores strategies for achieving financial goals. The risks, as well as the rewards, in financial planning are evaluated so that students develop the ability to make wise decisions. Active participation in FBLA is an expectation of this course. **SLCC Tuition Fee of \$15.00.**

WEB DEVELOPMENT

Grade(s): 10, 11 & 12

Web Development industry certification programs target individuals interested in demonstrating the baseline of technical knowledge that would allow them to pursue a variety of Internet-related careers. iNet+ is accepted by all other Internet certification programs as a fundamental (beginning) level certification, and is a good place to start.

iNet+ is a vendor-neutral, entry-level Internet certification program that tests baseline technical knowledge of Internet, Intranet and Extranet technologies, independent of specific Internet-related career roles. Learning objectives and domains examined include Internet basics, Internet clients, development, networking, security and business concepts. CIW builds upon the i-Net+ curriculum.

YEARBOOK STAFF/DESKTOP PUBLISHING

Grade(s): 11 & 12

Length of class: Full year, 1 credit. ½ Elective credit, ½ CTE credit

Prerequisite: Before taking this class you must have the approval of the teacher.

The staff works on all phases of publishing the school yearbook. Students draw layouts, write and type copy to size, take pictures, assemble, publicize, and distribute the school's most exciting publication. After taking responsibility and working under pressure for deadlines, it becomes a rewarding experience when you see "your" pages bound in a treasured book.

FAMILY & CONSUMER SCIENCE

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Adult Roles & Financial Literacy	Technology, Financial Literacy	Social & Humanitarian
Child Development	Technology	Social & Humanitarian
Early Child Education 1	Technology	Social & Humanitarian
Early Child Education 2/Day Care Lab	Technology	Social & Humanitarian
Foods & Nutrition 1	Technology	Social & Humanitarian
Foreign Foods 2	Technology	Social & Humanitarian
Interior Design	Technology	Social & Humanitarian, Arts & Rec.
Nail Technician I & II	Technology	Social & Humanitarian
SLCC FHS 1500	Technology	Social & Humanitarian
SLCC FHS 2400	Technology	Social & Humanitarian
Spartan Cove: Pro Start	Technology	Social & Humanitarian

ADULT ROLES & FINANCIAL LITERACY

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

This course focuses on the importance of human relationships for individuals and families. Adult Roles is designed to prepare senior students for life after graduation. Principles and concepts include family living, values, goal setting, dating, preparation for marriage, decision-making, parenting, communication, financial management, and maintaining positive relationships. A student completing a full year of Adult Roles class will satisfy the Financial Literacy requirement.

CHILD DEVELOPMENT

Grade(s) 10, 11 & 12

Length: One semester, ½ credit.

Prerequisites: None

Do you think you ever want to be a parent? If so, this class is a must take for you. In this semester class, you will learn what it takes to be a parent, positive parenting skills are taught along with the characteristics of development of children from pregnancy to adolescent.

EARLY CHILDHOOD EDUCATION 1

Grade(s): 11 & 12

Length and Credit: All year, 1 credit:

Prerequisites: Child Development

This course prepares individuals for child-related careers in early childhood education and/or more extensive parenting skills through personal interaction with children, childcare policies and management, guidance techniques, and health and safety concerns. On-site preschool and/or child care experiences will be a major component of the course. Previous completion of the Child Development course is recommended. Student leadership (FCCLA) may be an integral part of the course.

EARLY CHILDHOOD EDUCATION 2/Day Care Lab:

Grade(s): 11 & 12

Length and Credit: Semester, ½ credit.

Prerequisite: Successful completion of Early Childhood Education 1, Child Development or FHS 1500. Students must also pass a state background screening.

The primary focus of the class (.5credit) is hands-on, on-site early child development experiences. This course prepares individuals for careers related to early childhood education. Experiences include: program planning and management, resource and facility management, supervising recreational and play activities, preparing and implementing a large variety of learning experiences for children, the application of individual teaching skills, and preparation for a career and/or entrepreneurial opportunities. Student leadership (FCCLA) may be an integral part of the course.

FOODS & NUTRITION 1

Grade(s): 10, 11 & 12

Prerequisites: None

Length of class: One semester, ½ credit.

Learn to cook! This is a basic foods and nutrition class. The purpose of this course is to help you learn food preparation and basic cooking skills, meal planning, better eating habits, good nutrition and consumerism.

FOREIGN FOODS 2

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit.

Prerequisite: Successful completion of Foods & Nutrition.

In this advanced foods class, you will learn to prepare various ethnic/foreign foods while studying consumerism, advanced cooking skills, and nutrition and wellness. Advanced Foods is a good alternative for students who want more cooking experience but are not interested in taking the full year of Occupational Foods.

INTERIOR DESIGN

Grade(s): 10, 11 & 12

Length of class: Full year, 1 credit.

During first semester you will study art and design elements and learn about color and design, buying and selling homes, and creativity. During 2nd semester, you will learn about architectural styles, furniture, floor plans, and will design a "dream house". During the year you will make several home crafts. Information about related careers is introduced. The first semester of this course gives you technology core credit. There is a \$22 fee for supplies.

NAIL TECHNICIAN 1 & 2

Grade(s): 11 & 12

Prerequisites: For Nail Tech II = Successful completion of Nail Tech I

Length of class: 1 semester, 1 credit.

Course is held at Creekside. Topics covered include manicures, pedicures, acrylics, nail physiology and hygiene. "Nail Technology is one of the fastest growing and most creative and rewarding and high-paying professions in cosmetology today." This course provides 25 hours of classroom experience towards a 50 hours state requirement for an industry license. In this course students will be introduced to the basics skills of nail technology. Students will learn theory and perform hands-on activities. Students will be responsible for supplies related to this course.

SPARTAN COVE: PROSTART

Grade(s): 11 & 12

Length of class: Full year, Two class periods. 2 credits.

Prerequisites: Successful completion of Foods & Nutrition and teacher approval.

This is a two period class each day. The student staff manages the Spartan Cove restaurant. The purpose of this course is to learn basic food service skills and explore possible careers in hospitality/service areas. Practical instruction is given in nutrition, menu planning, food preparation, serving, and "people" skills. There is a \$25 fee.

SKILLED AND TECHNICAL SCIENCES

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Architectural Design	Technology	Technology
ASE Chassis MLR	Technology	Technology
ASE Engine MLR	Technology	Technology
Design Technology, Advanced	Technology	Technology
Design Technology, Introduction	Technology	Technology
Intro to Automotive	Technology	Technology
Photography 1	Technology	Arts & Recreation, Technology
Photography 2	Technology	Arts & Recreation, Technology
Photography 3	Technology	Arts & Recreation, Technology
SLCC Architectural 1100	Technology	Technology
SLCC Beginning Woods & Mill Work 1225	Technology	Technology
SLCC Engineering Drafting & Design Tech 1010	Technology	Technology
Woodworking 1	Technology	Technology
Woodworking 2, Furniture	Technology	Technology

ARCHITECTURAL DESIGN

Grade(s): 10, 11 & 12

Length of class: One semester, ½credit

Prerequisite: Successful completion of Design Technology

This is an activity-oriented introductory course in the fundamentals of architectural design. Students learn about the various architectural styles of homes and how to plan and design rooms in a house. Students will also use 3D modeling software to design and develop fun and realistic projects. FEE \$6.50.

ASE CHASSIS MLR

Grade(s): 11 & 12

Length of class: Full Year, 1 credit

Prerequisites: Successful completion of Introduction to Automotive

This is an advanced level course in Automotive Service. Through demonstrations, lectures, research and practical experiences, this course is designed to assist students in broadening their experience, through the use of equipment, tools, materials, processes and techniques in inspecting, diagnosing, and servicing of automobiles.

ASE ENGINE MLR

Grade(s): 11 & 12

Length of class: This is a full year course,

Prerequisite: Before taking this class you must have successfully completed ASE Chassis.

This is an advanced level course in Automotive Service. Through demonstrations, lectures, research and practical experiences, this course is designed to assist students in broadening their experience, through the use of equipment, tools, materials, processes and techniques in inspecting, diagnosing, and servicing of automobiles.

DESIGN TECHNOLOGY, INTRODUCTION

Grade(s): 10, 11 & 12

Length of class: One semester, ½credit.

Prerequisite: None

This is an activity-oriented introduction to the fundamentals of 3-D design technology. Everything in our world was designed by someone. Students will learn how to create 3 dimensional designs that could then be turned into plans to manufacture items. Some of the projects of this class will include taking their 3-D design and building the prototype. FEE \$6.50.

DESIGN TECHNOLOGY, ADVANCED

Grade(s): 11 & 12

Length of class: Full year, 1 credit.

Prerequisite: Successful completion of Intro. To Design Technology

Students will build from the knowledge gained in Intro. To Design Technology. Students will learn advanced tools of 3-D modeling software. Students will have the opportunity to create their designs in 3-D and then implement them by creating prototypes from their models. FEE \$6.50.

INTRODUCTION TO AUTO

Grade(s): 10, 11 & 12

Length of class: 1 semester, ½ credit.

Prerequisites: None

This is an entry-level course in Automotive Service. Through demonstrations, lectures, research and practical experiences, is designed to introduce the student to a broad experience in the use of; equipment, tools, materials, processes and techniques of automotive service. This is a one-semester course of instruction.

PHOTOGRAPHY 1 (PHOTO PRINT)

Grade(s): 10, 11 & 12

Length of class: One semester, ½ credit. Technology Credit

Prerequisite: You must have access to a 35 mm camera; manual camera is preferred.

Instruction focuses on black and white photography as another art form and basic procedures for operating a camera, developing film, and making prints and enlargements. Competencies for all basic concepts, skills, and procedures relevant to the course will be assessed. There is a lab fee of \$48.

PHOTOGRAPHY 2

Grade(s): 11 & 12

Length of class: One semester, ½ credit. Technology Credit

Prerequisite: Successfully completed Photography 1 and have access to a manual 35 mm camera.

Students in this course will learn different printing techniques using photography as an art form. Students must be self-motivated. There is a lab fee of \$48.

PHOTOGRAPHY 3

Grade(s): 11 & 12

Length of class: One semester, ½ credit. Technology Credit

Prerequisite: Photography 1 and 2, and have access to a manual 35 mm camera, and obtain the teacher's approval.

Students will explore alternative printing techniques and experiment with a wide variety of photo manipulations. There is a lab fee of \$48.

SLCC CMGT 1010 – RESIDENTIAL CONSTRUCTION MATERIALS & METHODS

Grade(s): 11 & 12

Length of class: Full year, three periods each day.

Prerequisite: Approval of the teacher.

This course will provide students with knowledge of residential building techniques and materials. The course will examine common construction materials, components, and systems related to wood frame structures, utilizing sustainable building practices. The residential construction process will be analyzed from site planning to finish construction.

SLCC Tuition Fee of \$15.00.

SLCC CMGT 1045 – BUILDING CONSTRUCTION I

Grade(s): 11 & 12

Length of class: Full year, three periods each day.

Prerequisite: Approval of the teacher.

Students will learn the concepts of footings, foundations & flatwork. Green build & traditional techniques of structural framing will be taught. Students will layout the construct floors, exterior & interior walls, doors & windows. Sophisticated methods used to maintain a tight building envelope will be used. Stair & roof construction will be introduced. Course is taught 1st half of the semester. **SLCC Tuition Fee of \$20.00.**

SLCC CMGT 1145 – INTERIOR FINISHES I

Grade(s): 11 & 12

Length of class: Full year, three periods each day.

Prerequisite: Approval of the teacher.

This course covers materials and selection that support the responsible use of natural resources. Subjects include hanging doors, installing base, casing, stair treads, skirts & closet organizers. Installation of hardwood floors, handrails and stair caps will be taught. Students will also be introduced to the basics of installing tile floors and shower walls. Course is taught 1st half of the semester. **SLCC Tuition Fee of \$20.00.**

SLCC CMGT 1200 – PERSONAL PROJECTS

Grade(s): 11 & 12

Length of class: Full year, three periods each day.

Prerequisite: Approval of the teacher.

This course will allow students to plan a special project of their own design. Through consultation with the instructor, design approval and class schedule can be determined. Students are required to follow all safety rules and procedures. Students are encouraged to plan projects that utilize engineered and sustainable lumber products. **SLCC Tuition Fee of \$10.00.**

SLCC CMGT 1225 – WOODWORKING AND MILLWORK I

Grade(s): 11 & 12

Length of class: This course can be taken as either a semester course for ½ credit or, preferably, a full year course for 1 credit.

Prerequisite: Successful completion of Woodworking 1 or 2 and teacher approval.

This course explores the basic principles of woodworking. Safety will be discussed in depth. Topics include the theory & hands on application of joinery, design, cut-lists, stock preparation & assembly. An assigned skill building project utilizing techniques such as frame & panel construction. Includes an introduction to use wood veneers as a sustainable practice.

Typical project cost: \$100.00. **SLCC Tuition Fee of \$20.00.**

SLCC EDDT 1040 – Introduction to AutoCad.

Grade(s): 10, 11 & 12

Length of class: One semester: ½ high school CTE credit; 3 hours college credit.

Prerequisite: Successful completion of high school Intro to Design or Architectural Design is recommended.

Basic skills using AutoCad for drawing applications are taught. The course includes: draw and modify commands, geometric construction, dimensions, templates, blocks and libraries, hatching, layers, and plotting.

SLCC Tuition Fee of \$15.00.

WOODWORKING 1

Grade(s): 10, 11 & 12

Length of class: One semester, ½credit.

This course is for the beginning woodwork student. You will learn the proper use and care of hand tools and the safe use and operation of power woodworking equipment. Activities include the drawing and planning of woodworking projects, construction of those projects, and learning the related informational units in woodworking. Cost to the student is based on the project or projects built.

WOODWORKING 2, FURNITURE

Grade(s): 10, 11 & 12

Length of class: One semester, ½credit.

This is an activity-oriented class that prepares you for enrollment in advanced vocational and technical programs. It includes information and laboratory experiences directly related to the woodworking industry. Activities involve cabinet making, carpentry, designing, planning and building products related to industry using hand tools and power equipment. Concepts in mass production and manufacturing are emphasized. Cost to the student is based on the project or projects built.

OTHER CLASS OPTIONS

<u>Course</u>	<u>State Core</u>	<u>Career Field</u>
Driver Education	None	None
Career Internship Program	Technology	Technology
Worked Based Learning	Technology	Technology
Seminary	None	None

DRIVER EDUCATION

Grade(s): 10, 11 & 12

Length of class: One semester, .50 credit.

Prerequisite: Students must obtain their Driving Permit from the DMV prior to start of class.

This course is designed to teach about the personal and social problems of driving and the knowledge and attributes needed for safe driving. The course is a combination of classroom and practical driving (range driving and on-the-road driving) experiences. There is a \$130 fee for this class.

CAREER INTERNSHIP PROGRAM

Grade(s): 11 & 12

Length of Class: One semester, .50 to 1.00 credits (based on 1 or 2 periods).

Prerequisites: 2.0 GPA, Satisfactory Citizenship & related course work.

The Career Internship Program was developed with the goal to help students identify a career choice, to participate in an on site career training and to make a successful transition from school-to-career. Students are expected to have completed or be involved in school classes related to the career or internship goal. An internship seminar class is taught one day a week. Time management, world of work, interviewing and personal critical workplace skills are taught in this course.

WORK BASED LEARNING EXPERIENCE

Grade(s): 11 & 12

Length of Class: One semester, .50 to 3.00 credit available based on the number of class periods.

Prerequisites: Passing grade in Career Internship program and related course work. The Work Based Learning experience is a partnership between the business community and MHS in which classroom learning is applied to productive, structured work experiences that are directly related to the student SEOP goals. Students must have taken, or be taking, course work that is directly related to the work experience. Students will be graded on written assignments, hours worked, and employer evaluations.

SEMINARY

RELEASED TIME (no credit)

SPECIAL EDUCATION

SPECIAL EDUCATION

Prerequisite: Courses taught through Assisted Education qualify through the special education classification process as outlined according to Individuals with Disabilities Education Improvement Act (IDEIA).

Grade(s): 10, 11, 12

Classes taught in Assisted Education provide support in general education classes and provide students with opportunities for career development, adult living and post-secondary options while addressing goals through the Individualized Education Plan (IEP).

STUDY STRATEGIES 10

Grade(s): 10

Length of class: semester or year

This course is designed to provide students in 10th grade with support in core subject classes as well as providing instruction in reading, writing and study skills. The curriculum also provides students with information and goals regarding their Individualized Education Program (IEP).

STUDY STRATEGIES 11

Grade(s): 11

Length of class: semester or year

This course is designed to meet the needs of students in 11th grade that provides support in core subject classes. The class addresses goals and needs outlined in the student's IEP, as well as providing the individualized instruction the student needs to meet those goals and meet the requirements of the general education classes. In addition, Study Strategies also covers functional life skills each student needs to prepare them for transition for life after high school.

TRANSITION 12

Grade(s): 12

Length of class: semester or year

Transition 12 is a class that addresses options for seniors who will be graduating from high school and will need the necessary skills to be productive members of society. Students will discover information relating to post-high school education and training, career and job exploration and agencies that can help facilitate success in adulthood. Students will be taught in a variety of ways which will include "mock" real-life experiences designed to help them learn skills they can carry into their adult lives. Support will be given to students as needed so they can be successful in general education classes. A reading strategies component will be taught as well to help students in their general education courses. Goal setting is an important component in every unit of study.

LIFE SKILLS

Grade(s): 10, 11 & 12

Length of class: semester or year

Students will practice functional life skills needed to transition from high school to adulthood. Time will be spent learning using TRAX and UTA for community access. Students will also learn budgeting, time concepts, directions, safety, social skills and leisure activities. This course is largely IEP driven and will vary based on the needs of each student. There will be a large emphasis on increasing independence as well as daily work on Individualized Education Plans (IEP).

CAREER CONNECTIONS

Grade(s): 11 & 12

Length of class: semester

Career Connections is a semester course designed to meet the needs of students with disabilities. Students will learn the essentials of social skills, productivity, working independently, work completion and time management. Students will work on jobs generally within the high school boundaries. Students from this class will be prepared to move to the MAT program upon completing senior year with peers.

INTEGRATED MATH I

Grade(s): 10, 11 & 12

Length of class: year

This course is designed to meet the needs of students who struggle with basic computation, calculation and problem solving. This course is specifically designed for students who may have difficulty passing the UBSCT math test. Focus is on basic addition, subtraction, multiplication and division and understanding these concepts as they relate to real-world application. Students will also be exposed to fractions, decimals, percents and get a brief introduction to basic algebraic concepts. The IEP team determines eligibility for this course. This class will count for core math credit if deemed appropriate by the IEP team and is written as such. A more functional curriculum is taught for students with more significant issues where basic math concepts are very difficult.

INTEGRATED MATH II

Grades(s) 10, 11 & 12

Length of Class: Year

This course is designed to support students who struggle with math concepts but are still taking regular education math classes. It is designed to help students spend extra time with their core curriculum in a small group environment. It is meant to support students who continue to access math in an inclusive environment.

MATH FOR LIFE

Grade(s) 10, 11 & 12

Length of Class: Year

This course is designed to meet the needs of students who struggle with basic computation, calculation and problem solving. This course is specifically designed for students who may have difficulty passing the UBSCT math test. Focus is on basic addition, subtraction, multiplication and division and understanding these concepts as they relate to real-world application. Students will also be exposed to fractions, decimals, percents and get a brief introduction to basic algebraic concepts. The IEP team determines eligibility for this course. The class will count for core math credit if deemed appropriate by the IEP team and is written as such. A more functional curriculum (Math 10-11-12) is taught for students with more significant issues where basic math concepts are very difficult.

FUNCTIONAL LITERACY II

Grade(s): 10, 11 & 12

Length of class: semester or year

The purpose of this class is to improve student's reading ability specifically in the areas of vocabulary, fluency, and comprehension. There will be some focus on phonemes and phonemic awareness as needed based upon individual need. Students will work in individual and small group settings. Overall reading improvement will be measured through a variety of assessments, including the Dynamic Indicators of Basic Literacy Skills (DIBELS), the Qualitative Reading Inventory (QRI), and other curriculum based measurements. These measurements will allow us to measure and report student progress for both short term and long term gains. There will also be a writing component to this course in addition to daily reading groups/strategies taught. This course is for elective credit only. It does not meet core standards for English credit. Students in this course take general education English classes for core credit.

LITERACY 10, 11, 12

Grade(s): 10, 11 & 12

Length of class: year

This course focuses on all five components of reading including: phonemic awareness, phonics, fluency, vocabulary, and comprehension. This class also has a component of functional writing skills and basic public speaking skills. This class gives core English credit as outlined by the student's IEP. Students who take this course also take Functional Literacy II in addition to this course.

FUNCTIONAL LITERACY

Grade(s): 10, 11 & 12

Length of class: year

This class is designed to focus on reading and writing on a very functional level. Functional sight words are a main component of this course as well as learning and writing personal information. This class is specifically designed for students whose level of understanding and reading requires a much more functional curriculum. Students enrolled in this class may not be diploma seeking and participate in the Utah Alternative Assessment (UAA).

MURRAY ADULT TRANSITION (MAT)

Grade(s): This program is for students whose class has graduated

Length of class: contingent upon level of student need

The Murray Adult Transition (MAT) program is for students with disabilities whose high school class has graduated. Students are supported in their transition to adulthood by participating in employment training, community access, adult living skills, and service learning activities. Accessing community agencies such as Vocational Rehabilitation, Social Security and Division of Services for People with Disabilities (DSPD) is an important component of Murray Adult Transition. Students may also take classes at Salt Lake Community College or other sites and will be involved in various social/leisure activities around the community. Students needing to earn a high school diploma may do so by completing individually designed curriculum as determined by their Individual Education Plans (IEP).

MHS OFF - CAMPUS OCCUPATIONAL COURSES

Off-campus courses are a partnership between Murray High School (MHS) and the school hosting the off-campus course. Participation in the MHS Off-Campus Course Program is a two-part process:

1. A student must meet the MHS Off-Campus Course Program eligibility requirements as determined by MHS Off-Campus Course Program policy and guidelines.
2. A student must make application for specific off-campus courses and be accepted for admission by the school hosting the course.

Students may only participate in the MHS Off-Campus Course Program if both conditions are satisfied. Applications will not be sent to hosting schools if a student is not eligible for the program.

Off-campus courses are professional-level programs that are often linked with professional licenses, certification, and/or college degrees. Most courses are full-year courses and take up to four MHS class periods earning 4.0 credits for the school year. Planning for an off-campus course is well worth the effort. Participating students must be seriously committed to this program.