

THE
RAM REGISTER

Volume 4

Highland High School

February 2014



2014-2015
COURSE DESCRIPTIONS

WHY DOES HIGHLAND EXIST

Highland High School exists to ensure that all students learn essential skills to become successful adults. These skills encompass academic, social, emotional and career proficiencies. At Highland High, educators work interdependently to improve their professional practice through analyzing student performance, aligning curriculum, and engaging in quality professional development. Exceptional instruction is complemented with timely interventions to ensure that all students learn. Highland High School affirms that student success is the only option.

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WELCOME!

Your next year's course selection is important for your future success and our school-wide decision making. Through your course selection, you help us determine whether classes are offered or not, and if so, how many sections are offered. The school reserves the right to deny subsequent class changes after registration, so take this process seriously.

Registration is a time to prepare and think about your future. When students graduate from Highland High School, we want them to be ready for the future they choose. Some may immediately enter the workforce, while others may delay that entry to pursue additional education. In either case, it is the intent of the Highland Comprehensive Guidance Program to assist them in making wise decisions. Each graduate's diploma should not simply reflect the number of years spent in school, but the skills and knowledge gained. That is why it is so important to take time to PLAN for your high school experience.

STUDENT EDUCATION OCCUPATION PLAN (SEOP)

The high school years are an exciting and important time in students' lives. To help students and parents plan a high school program that meets their individual needs, Highland High School is committed to assisting each student to develop an individual Student Education Occupation Plan (SEOP). This plan is a student educational and career-oriented planning document, which is guided by educational needs and requirements as well as career goals. The SEOP serves as a GUIDE rather than a strict rule. Plans may change over 4 years. The SEOP is meant to be an ONGOING process of setting goals, making plans to reach those goals, and reviewing progress toward those goals. Each student will be scheduled for one SEOP type meeting each year of high school.

GRADUATION REQUIREMENTS WORKSHEET

1. REQUIRED COURSES/CREDIT: Current Grade: 9__ 10__ 11__ 12__

Credits Completed/Needed

LANGUAGE ARTS 9th Grade _____
 4.0 ___/___ 10th Grade _____
 11th Grade _____
 12th Grade _____

MATH 9th Grade _____
 3.0 ___/___ 10th Grade _____
 11th Grade _____
 12th Grade _____

SCIENCE 9th Grade _____
 3.0 ___/___ 10th Grade _____
 11th Grade _____
 12th Grade _____

SOCIAL STUDIES 9th Grade _____
 3.0 ___/___ 10th Grade _____
 11th Grade _____
 12th Grade _____

FINE ARTS 9th Grade _____
 1.5 ___/___ 10th Grade _____
 11th Grade _____
 12th Grade _____

P.E. 9th Grade _____
 1.5 ___/___ 10th Grade _____
 11th Grade _____
 12th Grade _____

CTE 1.0 List any CTE courses that may qualify you for the CTE Pathway Completer Award:

COMP TECH 0.5 ___ or Option: _____
 FINANCIAL LIT 0.5 ___ or Option: _____
 HEALTH 0.5 ___ or Option: _____
 ELECTIVES 5.5 List elective courses taken or to be taken:

TOTAL CREDITS 24

**NOTE: Graduation requirements, including District Competencies are subject to change

MINIMUM ENROLLMENT:

- All students should be registered for eight periods of class instruction each semester.
- All students are expected to register for a minimum of three academic subjects (i.e. English, math, computer studies, science, social studies, and foreign language).

Check with your Counselor for details regarding College requirements and scholarships, especially if you plan to attend out-of-state.

GENERAL INSTRUCTIONS FOR REGISTRATION

1. All students must register for 8.0 classes that must include at least three CORE subjects (i.e., Language Arts, Math, Science, Social Studies, and/or World Language) and choose three alternates.

NINTH GRADE STUDENTS: should register for at least Language Arts, Math, Geography for Life, Science, and PE Skills and Fitness. Remember there is a two level World Language requirement for college admissions.

TENTH GRADE STUDENTS: should register for Language Arts, Math, World Civilizations, Science, and Health. Other courses required for graduation should be given priority (i.e. CTE, Fine Arts, PE, and Computer Technology).

ELEVENTH GRADE STUDENTS: should register for Language Arts, Math, Science, and U.S. History. Other courses required for graduation, college admissions, and career goals should be given priority (i.e. US Government & Citizenship, Financial Literacy, CTE, Fine Arts, and PE.)

TWELFTH GRADE STUDENTS: should register for Language Arts and any other unmet graduation requirement(s) to equal three core subjects. Other courses required for graduation, college admissions and career goals should be given priority. Students should consider taking Concurrent Enrollment and AP Courses. Students on track for graduation must register for at least 5 classes each semester not including Seminary or Home Release.

2. Read the course descriptions carefully to determine prerequisites, grade level, amount of credit, general description of the course, fees required, and special registration instructions.
3. Determine if the courses you select are taught for one or two semesters. The course descriptions in this booklet will identify how many credits are earned when the course is successfully completed.
Semester: .50 credits
Year (2 semesters): 1.00 credits
4. FEES. Many courses have fees associated with them. Please refer to the specific course description for details. For an example, the cost for all Advanced Placement (AP) Exams is \$87 and all students who register for an AP class are encouraged to take the exam.
5. Students should choose their classes carefully, because class changes will be granted ONLY ONCE a year. Class changes can be made for:
(a) Computer error
(b) Placement to more appropriate course level
(c) Request of administration
(d) To complete graduation requirements (seniors only)
(e) Failing grade in a prerequisite course
6. All class changes for the above reasons must be completed by the week before school starts or the end of semester one. AP & IB classes may not be dropped!
7. If a new student registers at Highland High, between the beginning of a term and two weeks prior to the end of the term, the student's Highland High teacher will take into consideration the work done at the student's previous school in determining the student's grade.
8. Students interested in early graduation should see their counselor for requirements at least one semester in advance.
9. Students interested in Work Credit or Internships should see the CTE Coordinator for a Work Credit registration materials.

SPECIALIZED PROGRAMS AT HIGHLAND:

Advancement Via Individual Determination (AVID)

AVID is an in-school academic support program that prepares students for college eligibility and success. AVID targets students in the academic middle (B, C and even D students) who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. AVID strives to serve underrepresented students (i.e.: first in their families to attend college, low-income, minority). This program supports students in an accelerated track. Applications are available in the Counseling Center.

English Language Learner (ELL)

ESL courses are available for English language learners (ELL) to fulfill graduation requirements while improving their English skills. ESL courses offer specialized instructional techniques and curriculum content to help students with English language development. LEP (Limited English Proficiency) courses are taught by teachers who use sheltered instructional techniques to help students better understand content curriculum. ESL students will register with the help of the school's ESL team.

International Baccalaureate Program (IB)

See explanation under "Choice Initiatives" in adjacent column.

Special Education (SPED)

Salt Lake City School District recognizes that students with disabilities have diverse educational needs. In order to provide an educational opportunity that is appropriate for students receiving special education, Salt Lake City School District has varied options for eligible students to access the general education curriculum. The student's Individualized Education Plan (IEP) determines the most appropriate option.

DEFINITIONS CONNECTED WITH COURSE TITLES:

Concurrent Enrollment

A student is enrolled and earns high school credit at their home school and college credit at another educational institution simultaneously. These institutions could include: colleges, applied technology colleges, and universities.

Honors

Is an advanced course for the student who is willing to read and write more extensively than in a regular or college preparatory course.

Advanced Placement (AP)

After successfully passing an end-of-year advanced placement college examination, college credit may be awarded by colleges and universities. The amount of credit varies from institution to institution. Be sure to check with your college of interest to determine their acceptance policy.

IB Courses specifically designated for students accepted into the IB program.

ADVANCED PLACEMENT (AP) CLASSES

The following list represents AP classes offered at Highland High School for 2012-13. Classes will carry only if the demand is great enough. All students signing up for AP classes are expected to commit to the class for the full year and expected to take the AP exam in the spring. College credit may be awarded to students who successfully pass the AP exam. Students should check to see if the college/university they plan to attend offers credit for AP classes and if so how much credit.
FEE for each AP exam: \$87

AP Art History (11-12)	AP Biology (10-12)
AP Calculus AB (11-12)	AP Calculus BC (11-12)
AP Chemistry (11-12)	AP English Literature and Composition (12)
AP English Lang and Composition (11-12)	
AP Environmental Science (10-12)	AP German (10-12)
AP Geography (9-12)	AP European History (10-12)
AP Music Theory (11-12)	AP Physics (11-12)
AP Spanish (9-12)	AP Statistics (10-12)
AP Studio Art, (11-12) AP 2-D, AP 3-D, AP Drawing	
AP US History (11-12)	AP World History (10-12)

CONCURRENT COLLEGE COURSES

Concurrent Enrollment (CE) classes are a fantastic deal for high school students!! You can earn both high school credit and college credit at the same time! The credit cost savings is exceptional: Currently, at Salt Lake Community College, a 3 college credit course costs approximately \$402, plus \$100-200 in books fees; a 4 credit hour college class costs approximately \$524 plus \$100-200 in books and fees. As a Highland Junior or Senior, you pay the one-time \$40 registration fee, which also counts for your registration (up to a year after you graduate) if you decide to attend SLCC! Most Utah universities and colleges accept these credits as well. Some of our CE courses require a college textbook rental fee (\$25), which is not fee waiver-able, and qualifying pre-tests, which are included in your registration cost. This year, the college has inserted a \$5 fee per college credit, which will be required after student is registered into the course. See individual course descriptions for more about this incredible value. For more information, contact the CTE Coordinator in the Counseling Center.

Concurrent Course Offerings

BioTechnology (BTEC 1010)	-3 college credit hours/ 1 yr Science Elective or CTE
College Algebra (MATH 1050)	-4 college credit hours/ 1.25 yr Mathematics
College Intermediate Algebra (MATH 1010)	-4 college credit hours/ 1.25 yr Mathematics
Trigonometry (MATH 1060)	-3 college credit hours/ 1.25 yr Mathematics
Concurrent English (ENGL 1010)	-3 college credit hours/ 1 yr Language Arts (sem class)
TV Broadcasting II (COMM 2200)	-4 college credit hours
Law Enforcement (CJ 1010)	-3 college credit hours
Orientation to Education (Ed 1010)	-3 college credit hours

SALT LAKE CITY SCHOOL DISTRICT CHOICE INITIATIVES

Under the 2004-09 District Student Achievement Plan, Essential Goal #6 promotes the increase of Choice Initiatives for students and families. The following Choice Options are now available within the Salt Lake City School District for high school students:

Academy of Information Technology (Career and Technical Center)

The Academy of Information Technology is associated with the National Academy Foundation. The mission of AOIT is to introduce students to the broad career Opportunities in today's digital workforce and equip them with the personal, analytical, technical and communication skills they need. Courses in the AOIT are held at the Salt Lake School District Career and Technical Center. AOIT is available for grades 10-12. All students who apply will be admitted. Applications are available through school Career and Technical Education (CTE) Coordinators. Courses in the AOIT include: Computer Technology, A+, Network +, Multi Media, 3D Animation, and Computer Information systems. Transportation from home school to the CTC is provided.

Arts Academy (Highland High School)

The Arts Academy is for students who have a passion for the arts. Students, working in a community of artist-educators who share their passion, will create artwork that reflect professional and educational standards and gain deeper understanding of artwork as it relates to aesthetics, criticism, and other disciplines. The program provides opportunities for students to develop artistic skills and appreciation while continuing in a strong academic program. The Arts Academy includes courses in visual art, music, theatre, and dance and range from beginning levels through advanced placement. Students may enroll in a preparatory, major, or studio level cohort representing all artistic disciplines. Applications are available through the school counselor. Transportation is the responsibility of the student.

Health Professions Academy (East High School)

The Salt Lake City School District and the University of Utah Health Sciences Center jointly sponsor the Health Professions Academy at East High School. This academy is for students who are interested in college preparatory courses with an emphasis on science and health professions. The purpose of the Academy is to provide a greater understanding and appreciation of career development in the health sciences through high school and university based educational experiences. Students are admitted for 9th grade through an application process, which begins in January of 8th grade. Students may also register for HPA in the ninth grade. Specialized HPA courses include: Medical Terminology, Introduction to Health Sciences, Medical Anatomy and Physiology, and Advanced Health Science I and II. Applications are available through school Career and Technical Education (CTE) Coordinators and your Counselor. This is a full-time program, and students accepted must attend East High. Students who are unable to transfer to East can take most of the above courses here at Highland as well. See Ann Hogensen for details, or call 801-484-4343 x286.

Innovations High School (Career & Technical Center)

Salt Lake City School District's newest high school provides a new and innovative learning environment for all students. Our mission is to provide a student centered, personalized education by utilizing the power and scalability of technology to customize education where students will be able to learn in their unique manner and pace; where constraints of traditional classrooms and barriers to educational innovation are removed. We are open to students from 9-12 grades. Please see our website for more information: <http://www.innovationshigh.org/>

International Baccalaureate Program (Highland High School)

The IB Program at Highland High is for academically disciplined students who desire a curriculum that presents subject matter from a worldwide perspective. Students who are highly motivated and productive will benefit from this course of study. Students are admitted for 9th grade through an application process, which begins in November of 8th grade. Selection is based on grades, teacher recommendations, and evidence of motivation. Classes taken in the ninth and tenth grades are preparatory to beginning the IB courses in the 11th grade. Students who complete the IB Program at a standardized level of competency earn a high school diploma and the internationally recognized IB Diploma. Students may earn college credit and advanced standing at institutions of higher learning throughout the world. Students at Highland will move through IB courses in 11th and 12th grade as a small learning community, providing support and encouragement for each other.

Salt Lake Business Academy (East High School)

The Salt Lake Business Academy is an enriched, three-year academic program in business and finance for sophomores, juniors and seniors. The program focuses on business and finance; however, it is applicable to all students regardless of their career plans. Students may apply in their freshman year or thereafter. The purposes of the Academy are to 1) give students a taste of the business world through a variety of academic courses and real-world experiences, 2) teach personal skills in finance and computers, and 3) give students a head start in college by completing concurrent enrollment classes. Courses in the Business Academy include concurrent enrollment classes in Accounting, Marketing, Financial Planning, and Business Management. Other classes are also offered: Business Web Page Design, Business Communications I & II, Business Law and Accounting I. Applications are available from East High Business teachers.



Language Arts

Language Arts 9 **YEAR #6080100**
 Graduation Credit: 1.0 Language Arts 9

The ninth grade language arts course connects reading instruction with writing for multiple purposes. The course continues intensive practice and study of informational and literary reading and writing. Students read extensively from a variety of sources, and draft, revise, and edit their own writing.

Language Arts 9 Honors **YEAR #60803000**
 Graduation Credit: 1.0 Language Arts 9

This writing-intensive honors course will focus on developing academic writing and analytical skills while introducing students to a variety of works ranging from novels to short stories to plays. This course is designed to ready students interested in AP or IB courses during their final two years of high school.

Language Arts 10 **YEAR #60813000**
 Prerequisite: Language Arts 9
 Graduation Credit: 1.0 Language Arts 10

The tenth grade language arts course continues the intensive practice and study of informational and literary writing. Students refine skills in preparation for reading and writing assessments.

Language Arts 10 Honors **YEAR #60814000**
 Prerequisite: Approval: Current Teacher
 Graduation Credit: 1.0 Language Arts 10

This is an advanced tenth grade course which offers students the opportunity to read and write functional, informational, and literary texts in preparation for a variety of reading and writing assessments. This course has greater depth and breadth than is found in the Language Arts 10 course and requires more work and more time from the student.

Language Arts 11 **YEAR #60826000**
 Prerequisite: English 10
 Graduation Credit: 1.0 Language Arts 11

The eleventh grade language arts course continues to emphasize the reading and writing process. In addition, students prepare, plan, deliver, and evaluate formal presentations.

Language Arts 11 Honors **YEAR #60827000**
 Prerequisite: English 10
 Language Arts 11 Graduation Credit 1.0

This is an advanced eleventh grade course which offers students the opportunity to read and write functional, informational, and literary texts. In addition, students will prepare, plan, deliver, and evaluate formal presentations. This course has greater depth and breadth than is found in the Language Arts 11 course and requires more work and more time from the student.

Language Arts 12 **YEAR #60839000**
 Prerequisite: English 11
 Graduation Credit: 1.0 Language Arts 12

The twelfth grade language arts course continues to develop reading and writing skills as students are introduced to a greater variety of practical and traditional literature. Students also develop investigative and research skills in preparation for post-secondary education or employment.

AP English Language 11-12 **YEAR #60520000**
 Prerequisite: Approval Current Teacher & see below.
 Graduation Credit: 1.0 Language Arts 11

This is a college-level course in language and composition. The course is challenging and requires more effort than most language arts courses. The course trains students to write in narrative, exploratory, expository, and argumentative forms and on a variety of subjects including personal experiences, public policies, and literature. Summer reading may be required. This class may be used for college credit for students receiving a 3 or higher on the A.P. exam.
 Prerequisite: Placement will be determined by evaluation of a writing sample, teacher recommendation, past English grades and standardized test scores. Interested sophomores should consult with their English teachers.

AP English Literature 11-12 **YEAR #60530000**
 Prerequisite: Approval Current Teacher
 Graduation Credit: 1.0 Language Arts 12

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Concurrent English (12) **SEMESTER #60610000**
 Prerequisite: English 10 & CPT Test or ACT & Teacher Approval
 Language Arts Graduation Credit 1.0 with 3 College Credits



Language Arts Electives

Development of critical literacies - reading, writing and thinking – using methods of knowledge-making. This class promotes awareness of rhetorical strategies as they apply to a variety of socio-cultural contexts. A semester class that satisfies Lang Arts 12 full year English credit. *The Language Arts Department strongly discourages this course for any student who has taken AP

English Language. For students who have taken AP English Language, we recommend they continue their studies in AP English Literature. Some of our CE courses require a college textbook rental fee (\$25), which is not fee waiver-able, and qualifying pre-tests, which are included in your registration cost. Students must register for SLCC and pay \$40 application fee (if not yet enrolled at SLCC). Additional tuition fee of \$15 is required. See individual course descriptions for more about this incredible value. For more information, contact the CTE Coordinator in the Counseling Center.

****The following courses offered by the Language Arts department do not receive Language Arts graduation credit.**

Creative Writing I (9 -12) **YEAR #60901000**
 Graduation Credit : Elective 1.0

This course will include instruction in the writing of poetry, short stories, plays, essays, journals, narratives, etc. All members of the class will have an opportunity to help the literary staff select the best pieces for the magazine. Students need only to enjoy writing to take this course.

Creative Writing Adv. (11-12) **YEAR #60902000**
 Graduation Credit: 1.0 Elective or Eng 12 Graduation Credit

All members of the class will be on the staff of the literary magazine, In Black and White, and will assist in its formulation and publication. The course will include poetry, short story; play writing, narratives, etc. There is a special emphasis on creating a standard of judgment for recognizing good literature. This course can supplant the 12th grade English credit.

Debate I (9 -12) **YEAR #60921000**
 Graduation Credit 1.0 Elective

This class is designed for beginning students interested in competitive speech activities. Competition in debate, oratory, impromptu, extemporaneous speaking and student congress are emphasized.

Debate Advanced (10 -12) **YEAR #60922000**
 Prerequisite: Debate I
 Graduation Credit: 1.0 Elective OR English 12

This class is for junior varsity and varsity debaters. The course will emphasize the theory of argumentation and persuasion and all students are required to compete on the debate circuit.

Journalism (10 -12) **YEAR #60910000**
 Graduation Credit: 1.0 Elective

Students enrolled in this course produce the Highland High School newspaper, The Rambler. The course features an examination and practice of the fundamentals of news gathering, interviewing and news writing, features, sports and editorial writing, advertising copy and layout, editing, proofing, printing and typography. Students are encouraged to enroll for more than one year. Students who are on the staff for three years or who have served as editors are eligible for a Highland letter (H). Freshmen and sophomores are welcome. Students should be aware that fundraising is an expectation of the class.

Students must earn three (3) units of credit in mathematics. Highland High School's Mathematics Department recommends four years of mathematics. In order to assist in course selection, the following list of courses should provide some clarity:



Mathematics

Mathematics Courses

Secondary Math I (9) **YEAR #61212000**
 Prerequisite: Pre-Algebra
 Graduation Credit: 1.0 Mathematics

The purpose of Secondary Math I is to formalize and extend the math students learned in the middle grades. Students in this course will deepen and extend their understanding of linear relationships, explore exponential phenomena, apply linear regression techniques to data, and use properties and theorems of congruent geometric figures. The final unit of this course will tie together the algebraic and geometric ideas the students have studied.

Secondary Math I Honors (9) **YEAR #61212200**
 Prerequisite: Algebra I (all four terms)
 Graduation Credit: 1.0 Mathematics

The purpose of Secondary Math I Honors is to formalize and extend the math students learned in the middle grades. Students in this course will deepen and extend their understanding of linear relationships, explore exponential phenomena, apply linear regression techniques to data, and use properties and theorems of congruent geometric figures. The final unit of this course will tie together the algebraic and geometric ideas the students have studied. This course, along with Secondary Math II Honors, and Secondary Math III Honors, will provide the depth and scope of math instruction that will prepare students to take an AP math class their senior year.

Secondary Math II (10) **YEAR #61212400**
 Prerequisite: Secondary Math I
 10th graders who have successfully completed Secondary Math I.

Students 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.

Secondary Math II Honors (10) **YEAR #61212500**
 Prerequisite: Secondary Math I Honor
 Graduation Credit: 1.0

Students 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 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.

Secondary Math III (11) **YEAR #61212600**
 Prerequisite: Secondary Math II
 Graduation Credit: 1.0

Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions. They will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.

Secondary Math III Honors (11) **YEAR #61212700**
 Prerequisite: Secondary Math Honors II or teacher approval
 Graduation Credit: 1.0

Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions. They will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems. Honors students will also use logarithmic and trigonometric functions, build functions from existing functions, extend the domain of trigonometric functions using the unit circle, and prove trigonometric identities. Students completing Secondary Mathematics I, II, and III are prepared for Calculus.

Pre-Calculus (12) **YEAR #61239000**
 Prerequisite: Grade of C or better in Geometry & Intermediate Algebra & Approval: Current Math Teacher
 Graduation Credit: 1.0 Mathematics

This course uses complex numbers in the study of vectors, polar coordinates, arithmetic and geometry series, and extends functions to include exponential, polynomial regressions equations for these functions. Bivariate data will be studied to include regressions equations for these functions. Pre-Calculus fills the minimum requirement for college and is preparation for calculus. A graphing calculator is recommended.

AP Calculus AB (12) **YEAR #61511000**
 Graduation Credit: 1.0 Mathematics
 Prerequisite: B or better in Calculus Prep or Pre-Calculus
 Approval: Current Math Teach

Requires a thorough knowledge of concepts of trigonometry, college algebra and analytic Geometry. A study is presented of limits, differentiation, integration, differential equations and selected applications. Emphasis is placed on preparing for the Advanced Placement test in Calculus AB. A graphing calculator (TI-83, 83+, 84, or 84+ preferred) is required for this course.

AP Calculus BC (12) **YEAR #61512000/61242010**
/paired with Intro to Calculus:
 Prerequisite: C or Better in AP Calculus AB & Approval: Current MathTeacher
 Graduation Credit: 1.0 Mathematics

Requires a thorough knowledge of the concepts of Trigonometry, College Algebra and Analytic Geometry. A study is presented of limits, differentiation, integration, differential equations, sequences, series and selected applications. AP Calculus BC is considerably more extensive than AP Calculus AB. Emphasis is placed on preparing for the Advanced Placement test in Calculus BC. A graphing calculator is highly recommended for this course.
 *Double Period A Day & B Day. Students must sign up for both AP Calculus BC and both semesters of Calculus Math Lab.

AP Statistics (12) **YEAR #61501000**
 Prerequisite: Grade of C or better in Intermediate Algebra & Approval: Current Math Teacher
 Credit for Graduation: 1.0

An advanced study of statistics, AP Statistics is comparable to courses in colleges and universities. The course of study is determined by the College Board and is available in the Advanced Placement Course Description for Statistics. The course includes, univariate, bivariate, and categorical data patterns and models, and statistical inferences and significance tests. A graphing calculator is required for this course.

Intermediate Algebra 1010 (12) **SEMESTER #61614000**
 Concurrent 1.25 High School credit/4 SLCC credits
 Prerequisite: Secondary Math III and ACT Math score: Reading 16, Math 18 or Secondary Math III and Accuplacer at SLCC

Concurrent 1010: Linear and quadratic equations, inequalities, polynomials, rational expressions, radicals, negative and rational exponents, complex numbers, linear systems, introduction to functions, logarithms and exponential functions. A graphing calculator is strongly recommended. Some of our CE courses require a college textbook rental fee (\$25), which is not fee waiver-able, and qualifying pre-tests, which are included in your registration cost. This year, the college has inserted a \$5 fee per college credit, which will be required after student is registered into the course. See individual course descriptions for more about this incredible value. For more information, contact the CTE Coordinator in the Counseling Center.

Mathematics (Continued)

FEE: \$25 textbook rental; \$5 per credit hour; one-time college application fee \$40.

College Algebra 1050 (12) 1ST SEMESTER #61616200
Concurrent 1.25 high school credit/4 SLCC credits
Prerequisite: For students coming out of Secondary Math III Honors, Pre-Calculus, or IB Math Studies SL with B's or C's who want a 4th year of math credit.

The course is an algebra class designed to prepare students to enter either engineering or calculus courses. It continues to explore in greater depth, standard algebra topics many of which were addressed in Math 1010. College Algebra satisfies quantitative literacy requirements for graduation. Students not intending to take calculus should investigate 1030, 1040, 1090 as alternate courses that satisfy the literacy requirement.

Trigonometry 1060 (12) 2ND SEMESTER #61617000
Concurrent 1.00 high school credit/3 SLCC credits
Prerequisite: Successful completion of 1050

This course is intended to prepare students for a comprehensive course in calculus by teaching concepts and facts required for a major in math, physics, chemistry, engineering, and computer science, as well as many of the life sciences. The course presents trigonometric functions, polar functions, trigonometric equations, and solutions of right triangles and oblique triangles. Polar coordinates, complex numbers, parametric equations, and vectors are also introduced. Students are required to know basic trigonometric facts such as the sine, cosine, and tangent values of special angles without using a calculator. Students are also required to know the fundamental trigonometric identities without looking them up.

Science

Astronomy (10-12) YEAR #2271000
Prerequisite: Elementary Algebra
Graduation Credit: 1.0 Science

Astronomy is the study of the position, motion, composition, and history of objects in the universe and the physical laws that govern them. Topics include: scientific theories of the evolution of the universe; characteristics and the life cycle of stars; exploration of the universe; role of the Sun in our Solar System; planets; and the orientation and position of the Earth. Astronomy is the oldest of all sciences, but due to advances in technology, has never been more exciting than it is today. The second half of this course will explore the concepts and Science of Meteorology.

Biology (9) YEAR #62211000
Approval: Science Teacher
Graduation Credit: Science

Biology includes the topics of ecosystems, cells, heredity, diversity, organ systems and evolution. Students will explain biological ideas or concepts in their own word, relate them to other topics, and apply them in new contexts. A lab fee is required.

Biology Agriculture Science (10 -12) YEAR #67927000
Graduation Credit: Biology or CTE

This course is designed to meet the requirements for biological science credit. It is a hands on way to earn biology credit with an emphasis on agriculture as it relates to nursery operation and landscape management.

Biology Honors (9) YEAR #62411000
Approval: Teacher
Graduation Credit: 1.0 Science

Honors Biology extends the coverage of topics that include ecosystems, cells, heredity, diversity, organ systems and evolution. Students will examine biological ideas or concepts in greater detail. This course provides preparation for enrollment in AP Biology. A lab fee is required

AP Biology (10 -12) YEAR #62511000
Approval: Biology Teacher
Graduation Credit: 1.0 Science

This course provides in-depth coverage of the biological concepts taught in first year university biology courses, and prepares students for the national AP Biology exam. Students are required to attend an after-school lab twice per month. A lab fee is required.

Biotechnology (11-12) YEAR #67928000
Prerequisite: Biology or Chemistry
Graduation Credit: Science, Elective, or CTE

Biotechnology is a fun-filled, exciting, hands-on class that explores the labs and technology of biology. It is designed as an introduction to the basics of lab work and also to create an awareness of career possibilities in the field of biotechnology. This course provides basic laboratory skills and a solid foundation for success in future high school or university lab experiences. The curriculum covers a range of material from performing basic measuring labs to accomplishing complex genetics labs to evaluating students' fitness; there is something here for everyone. Biotechnology counts as a science elective. Juniors and seniors may register in this course for SLCC college credit. A one-time \$40 college registration fee applies. Also, a lab fee is required.

Chemistry (10 -12) YEAR #62221000
Prerequisite: Grade of C or better in Elementary Algebra &
Approval: Science Teacher
Graduation Credit: 1.0 Science

Chemistry includes the topics of atoms, energy, chemical bonds, chemical reactions and solutions. Students will develop an understanding of chemical concepts and determine the relevancy of chemistry in their lives. A lab fee is required.

CHEMISTRY HONORS (10 -12) YEAR #62421000
Prerequisite: Grade of C or better in Intermediate Algebra &
Approval: Science Teacher
Graduation Credit: 1.0 Science

Honors Chemistry provides greater detail, mathematics based, coverage of content, which will include atoms, energy, chemical bonds, chemical reactions, and solutions. This course provides preparation for enrollment in AP Chemistry. A lab fee is required.

AP Chemistry (10-12) YEAR #62521000
Prerequisite: Honors Chemistry & Advanced Algebra &
Approval: Science Teacher
Graduation Credit: 1.0 Science

Advanced Placement Chemistry provides in depth, mathematics-intensive coverage of the chemistry concepts that are taught in first year university courses. This course is designed to prepare students for the AP Chemistry exam. University of Utah laboratory course is strongly recommended. A lab fee is required.

AP Environmental Science (11 -12) YEAR #62533000
Prerequisite: Biology/Chem or Physics
Graduation Credit: 1.0 Science

This course provides students with scientific principles, concepts and methodologies to understand global and local environmental problems, examine alternative solutions for environmental problems, and to look at interrelationships of the natural and human-made world. A lab fee is required.

Medical Anatomy & Physiology-(MAP) (10 -12) YEAR #67939000
Pre-req: Highly suggested Med Terminology be taken before/with course
Location: Highland High
Graduation Credit: 1.0 CTE, Health, or 3rd year science credit

A full year competency based course that explores medical and health related occupations as well as the study of human structure and function. Course includes field trips, hands-on activities, and guest demonstrations. Areas of study include medical terminology, human biology, disease processes, and career exploration. Recommended for anyone going into medical or associated fields. This is a required course for Health Professions Academy. Students who complete the entire course fulfill the Health graduation requirement (.5 CTE & .5 Health). A lab fee is required.

Physics(10 -12) YEAR #62231000
Prerequisite: Grade of C or better in Elementary Algebra
Graduation Credit: 1.0 Science

The three topics covered in physics are matter, motion and energy. Everything is part of a system, whether it is book on a table, a cog in a machine, a satellite in orbit, or a complex electrical circuit. Physics topics will be developed around systems and the nature of science. A lab fee is required.

Physics Honors (10 -12) YEAR #62431000
Prerequisite: Intermediate Algebra & Approval: Science Teacher
Graduation Credit: 1.0 Science

The three topics covered in honors physics are matter, motion and energy. This course is designed to extend the general physics through a more in depth, mathematics based, coverage of the content. This course will prepare students to take the AP Physics B test. A lab fee is required.

AP Physics B (11-12) YEAR #62541000
Prerequisite: General Physics and Intermediate Algebra &
Approval: Science Teacher
Graduation Credit: 1.0 Science

Advanced Placement Physics provides in depth, mathematics intensive, and coverage of the physics concepts that are taught in first year university physics courses. This course is designed to prepare students for the AP Physics B exam. A lab fee is required.

Physics with Technology (10 -12) YEAR #67947000
Graduation Credit: Science Elective or CTE
Fee: \$10.00 per semester

This course covers the topics of matter, motion, and energy through hands-on, practical applications of the main concepts to mechanical, fluid, thermal, and electrical systems. It parallels the Conceptual Physics curriculum but is more directly for students who desire a background course for future science or technology-related careers. Students will also have the opportunity to practice their math skills in real life situations. Lab fee required.

Zoology (10-12) YEAR #62251000
Prerequisite: Biology
Graduation Credit: 1.0 Elective

Surveys the animal kingdom. Detailed study of representative organisms is made to illustrate structural advancements as they appear in the animal kingdom. Issues relating to wildlife management and natural history of the vertebrates will be stressed. Lab work and dissection is involved. A lab fee is required.

Social Studies

Geography for Life (9) SEMESTER #63902000
Graduation Credit: 0.5 Geography for Life

This course is designed to introduce students to the physical and cultural patterns of the world. Geographic study includes map

ping skills, the interaction between people and their environment, and the political and economic systems that they develop.

AP Geography (9-12) YEAR #63592000
Graduation Credit: 1.0 Social Studies & Elective

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

**World Civilizations I & II YEAR #63923000/
#63925000**
Graduation Credit: 1.0 World Civilizations

This course studies the increasing interrelationship of the world's peoples. It includes examples of scientific, artistic, religious, and technological aspects of human behavior.

AP World History (10 -12) YEAR #63536000
Prerequisite: Geography for Life
Graduation Credit: 1.0 World Civilizations, Social Studies, & Elective

This course will cover major themes and developments in the histories of major world civilizations from the year 1000 to the present. It will be similar to other AP History courses in terms of developing reading and writing skills in order to prepare students for the demands of college. However, instead of national histories, the curriculum will emphasize change over time, comparisons between cultures, and the impact of technology and major themes.

US History (11-12) YEAR #63221000
Graduation Credit: 1.0 U.S. History

This is a general survey course, with major emphasis on the post-Civil War period. Part I will study topics to include the Civil War, reconstruction of the South, industrialization of the US and the labor movement, imperialism, the progressive era, and World War I. Part II will include the roaring twenties, the depression, World War II and the cold war, civil strife and the 1960s and the events of the 1970's and 1980's.

U S Government & Citizenship (10-12) SEMESTER #63205000
Graduation Credit: 0.5 Graduation Requirement

The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of the United States democracy. The student will understand ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system.

AP American History (11-12) YEAR #63521000
Approval: Dept. Chair
Graduation Credit: 1.0 U.S. History

The Advanced Placement Program in American History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. Students will be expected to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. Students are expected to develop the skills necessary to arrive at conclusions, make judgments, and use the essay format.

AP European History (11-12) YEAR #63531000
Approval: Dept. Chair
Graduation Credit: 0.50 World Civilizations & 0.50 Social Studies Elective

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understandg of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

Sociology I (10 -12) SEMESTER #63244000
Graduation Credit: 0.5 Elective

Sociology is the study of society or human groups. In order to understand society we must be able to shift from one perspective to another and to see the world through the eyes of others. The study of sociology helps us make connections between human behavior and society. It helps us understand the processes that have shaped the features we observe around us today, as well as the ways those features may be different tomorrow. This course will explore the way social interaction influences personality development, adolescence and deviant behavior in society.

AP Art History (10-12) YEAR #66060000
Graduation Credit: 1.0 Fine Art or Elective

This course will study humankind's creative efforts throughout history. Students will gain an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students will learn to look at works of art critically and to analyze what they see. This class requires a high degree of commitment to academic work in a program designed to meet college standards. No drawing or painting required ;-)



World Language

The World Language department at Highland High School offers a great variety of skill levels in the studies of French, German, and Spanish. Any student with less than a C- in any previous quarter should not enroll in a higher-level course without teacher approval. A student may repeat a level with teacher approval. Native speakers are encouraged to take upper level courses.

French I (9 -12) **YEAR #64211000**
Graduation Credit: 1.0 Elective

In this class we learn numbers, letters, some irregular verbs, telling time, ordering food, giving directions and other survival skills to help you manage if you visit France.

French II (9 -12) **YEAR #64212000**
1.0
Approval: Teacher signature required
Graduation Credit: 1.0 Elective

We continue building vocabulary in thematic units like professions, body, house, clothes, and learn more grammar. The majority of second year is learning about the past tense in all its applications, but we do learn the future tense in the spring.

French III (10 -12) **YEAR #64213000**
Approval: Teacher signature required
Graduation Credit: 1.0 Elective

In French III we don't have thematic chapters as much as in the lower levels. We do more speaking and the semester final is oral. We study topics such as: French speaking countries, current events, animals, and some advanced grammar like the imperfect, conditional, and subjunctive tenses (which might make sense to your parents). We also study different regions of France and have some cultural units and do more writing which is "creative."

French IV (11 -12) **YEAR #64214000**
Prerequisite: Grade of C or better in French III
Approval: Teacher signature required
Graduation Credit: 1.0 Elective

These levels are usually combined. We alternate subject matter from year to year, so you can continue on. One year we will study geography, history, art, and advanced grammar. The other year is an overview of French literature from 800 to the 21st century. Both courses require speaking and writing and continued study of grammar. IB students do their oral exam around early March of their senior year.

French V (12) **YEAR #64215000**
Prerequisite: French IV
Approval: Teacher signature required
Graduation Credit: 1.0 Elective

These levels are usually combined. We alternate subject matter from year to year, so you can continue on. One year we will study geography, history, art, and advanced grammar. The other year is an overview of French literature from 800 to the 21st century. Both courses require speaking and writing and continued study of grammar. IB students do their oral exam around early March of their senior year.

AP French (12) **YEAR #64215800**
Approval: Teacher
Graduation Credit: 1.0 Elective

AP French is a college-level course. Students will be provided a well-rounded exposure to speaking, reading, writing and listening skills. Native speakers should have teacher recommendation for this course.

German I (9 -12) **YEAR #64221000**
Graduation Credit: 1.0 Elective

German I focuses on concept development, listening and speaking skills with emphasis on oral communication. Basic reading and writing skills are introduced. Students are also introduced to the grammatical structure of the German language. The cultures of German speaking peoples are studied.

German II (10 -12) **YEAR #64222000**
Approval: Teacher
Graduation Credit: 1.0 Elective

German II continues the development of listening and speaking comprehension with continued emphasis on oral proficiency. Further emphasis is placed on comprehension of the grammatical structure of the language. The German culture is studied more in depth. Native speakers should have teacher recommendation for this course.

German III (11 -12) **YEAR #64223000**
Approval: Teacher
Graduation Credit: 1.0 Elective

In German III more comprehensive skills in conceptual development, thinking, speaking, reading and writing will be developed. Emphasis is placed strongly on literacy in reading and writing and oral proficiency. The German culture is studied more comprehensively. Native speakers should have teacher recommendation for this course.

German IV (12) **YEAR #64224000**
Approval: Teacher
Graduation Credit: 1.0 Elective

AP German (12) **YEAR #64226100**
Prerequisite: Grade of C or better in German III
Approval: Teacher
Graduation Credit: 1.0 Elective

This course is designed in preparation for the AP German exam. Emphasis is placed on the students' degree of comprehension, fluency, grammatical structure, syntactical and production patterns and sophisticated oral and written discourse. Native speakers should have teacher recommendation for this course.

Spanish I (9 -12) **YEAR #64251000**
Equivalent to Spanish I in Intermediate School
Graduation Credit: 1.0 Elective

Spanish I is a basic language course specifically for students who have had no previous experience in Spanish. Listening comprehension is emphasized with development of speaking, reading, and writing skills. Verb conjugation and sentence structure is a must in this course. In addition, the cultures of Spanish speaking people are an integral part of this course. This course is not designed for native speaking students. The Language Department recommends that native speaking students register for Spanish II, III, or IV.

Spanish II (9 -12) **YEAR #64252000**
Approval: Teacher
Graduation Credit: 1.0 Elective

Spanish II continues the basic study of listening, speaking, reading and writing skills begun in Spanish I. Students increase their ability to understand spoken Spanish on a variety of topics and begin to create and express their own thoughts both in speaking and writing Spanish. In addition, the cultures of Spanish speaking people are an integral part of this course. *Native speakers must have teacher recommendation to ensure the best placement. **Freshmen wishing to take Spanish II must obtain a signature from a Highland High Spanish teacher.

Spanish III (10 -12) **YEAR #64253000**
Approval: Teacher
Graduation Credit: 1.0 Elective

Spanish III continues the basic study of listening, speaking, reading and writing skills begun in Spanish I and continued in Spanish II. Students increase their ability to understand spoken Spanish on a variety of topics and continue to create and express their own thoughts both in speaking and writing Spanish. Students should be able to initiate and maintain short face-to-face conversations, and demonstrate awareness of cultural differences and adjustment to Hispanic customs. *Native speakers must have teacher recommendation to ensure the best placement. **Freshmen wishing to take Spanish III must obtain a signature from a Highland High Spanish teacher.

Spanish IV (11 -12) **YEAR #64254000**
Prerequisite: Spanish III
Approval: Teacher
Graduation Credit: 1.0

Spanish IV includes a review of grammar and builds upon the listening, speaking, reading and writing skills from previous courses. Cultural activities and Spanish literature will be emphasized. This course fulfills requirements for the Honors Diploma. Native speakers must have teacher recommendation to ensure the best placement.

AP Spanish (11-12) **YEAR #64511000**
Prerequisite: Spanish IV
Approval: Teacher
Graduation Credit: 1.0 Elective

AP Spanish is a college-level course. Students will be provided a well-rounded exposure to speaking, reading, writing and listening skills. All grammar structures will be reviewed and studied with an in depth look at subjunctive. Vocabulary will be developed from readings. Activities will guide students to express themselves orally and in writing. Native speakers must have teacher recommendation to ensure the best placement.



Visual Arts

Fine Arts Academy: Are you interested in the Arts? Would you like to continue this interest in college? Sign up for the Arts Academy. The Highland Arts Academy will be led by a community of artist educators who will provide students with challenging experiences in a variety of art forms. Students from diverse cultures will share their passion for the arts with one another, create artwork that reflects professional and educational standards, and understand artwork as it relates to aesthetics, criticism and other academic disciplines.

The Arts Academy will enrich the high school experience of students who plan to pursue the arts beyond graduation, of students who are enrolled in regular arts classes, and of the student-body at large. Applications will be available at registration. For additional applications or for more information, please contact any instructor in the Fine Arts Department.

Ceramics I (9 -12) **SEMESTER #66041000**
Graduation Credit: 0.5 Fine Arts

This is an introductory course focusing on design in high-fire stoneware clay. Basic instruction is given in beginning hand-building methods (pinch, coil, slab, additive/subtractive sculpture) and beginning work on the potter's wheel. Instruction also includes clay processes, glazing and various decoration procedures, firing processes and applicable history. A lab fee is required.

Studio Art Ceramics I (9-12) **SEMESTER #66043100**
Graduation Credit: 0.5 Fine Arts
Second Semester of Ceramics I. A lab fee is required.

Ceramics II (10 -12) **SEMESTER #66042000**
Prerequisite: Ceramics I or teacher approval
Graduation Credit: 0.5 Fine Arts

This is an advanced Art course in high-fire stoneware clay work. Instruction will include hand building, sculpture and work on the

potter's wheel. A sketchbook (idea book, work book) is required as well as some textbook work. Participation in State, District and local student art shows is encouraged and in some cases required. A lab fee is required.

Studio Art Ceramics II (10 -12) **SEMESTER #66043200**
Prerequisite: Ceramics I, Approval: Teacher
Graduation Credit: 0.5 Fine Arts
Second Semester of Ceramics II. A lab fee is required.

Ceramics III (11-12) **SEMESTER #66043000**
Prerequisite: Ceramics II or teacher approval
Graduation Credit: 0.5 Fine Arts

This course is a continuation of work begun in Ceramics II in that students continue to work from the studio syllabus. Emphasis is placed on producing professional quality clay work including hand building, sculpture, and potter's wheel work. Students produce a body of three-dimensional artwork that either builds or greatly contributes to a viable portfolio for AP credit, art school entrance, or scholarship consideration. Advanced and specialized techniques are included. Participation in State, District, and Local student art shows and displays is required. This course fulfills requirements for the Honors Diploma. A lab fee is required.

Studio Arts Ceramics III (11-12) **SEMESTER #66043300**
Prerequisite: Ceramics II
Approval: Teacher
Graduation Credit: 0.5 Fine Arts
Second Semester of Ceramics III. A lab fee is required.

3-D Design (9 -12) (level 1) **SEMESTER #66100000**
Graduation Credit: 0.5 Fine Arts

3-D Design is for 9-12 grade students who want to have experience with and learn about hands-on crafts. This will continue in the second semester class, Studio Art 3-D Design. In both semesters, students will work with many different materials including beads, fiber, wicker, mosaics, chain mail, and paper. Students will also learn about different cultures, their history, and their art as we explore the various materials and projects. A lab fee is required.

Studio Arts 3-D Design (9 -12) **SEMESTER #66100100**
Graduation Credit: 0.5 Fine Arts
Second Semester of 3-D Design. A lab fee is required.

Applied Arts (10 -12) (level 2) **SEMESTER #66044000**
Prereq. 3-D Design
Graduation Credit: 0.5 Fine Arts

Applied Arts is a continuation of 3-D Design for students 10-12 grades. Applied Art provides a more in-depth view to fine crafts, their media and the cultures they represent. Studio production, history and critique will be stressed. Students will build portfolios and are encouraged to enter art shows. Students work with mixed media (fiber, beads, paint, etc.) to create art objects. A lab fee is required.

Studio Art Applied Arts (9 -12) **SEMESTER #66045000**
Graduation Credit: 0.5 Fine Arts

Second Semester of Applied Arts. A lab fee is required.

Art Foundations II (9 -12) (level 1) **SEMESTER #66207000**
Graduation Credit: 0.5 Fine Arts

Art Foundations II is the beginning art course at the high school level. We will work specifically in drawing and design. You will become familiar with the basic elements and principles of two-dimensional artwork. First semester lessons include projects in the art elements of line, shape, texture, and space. Second semester lessons cover value, color in-depth, principles of art, and exploration of different art materials. A lab fee is required.

Studio Art Foundation II (9-12) **SEMESTER #66207100**
Graduation Credit: 0.5 Fine Arts

Second Semester of Art Foundation II. A lab fee is required.

Painting (10 -12) (level 2) **SEMESTER #66208000**
Prerequisite: Art Foundations II
Graduation Credit: 0.15 Fine Arts

Painting Class is for 10-12 grade students who have completed the Art Foundations II class in High School. In this class, students will use various painting media, techniques, and styles. We will paint with acrylics, oil, and watercolor, to create art in a wide range of subject matter. Students will learn techniques from different time periods and incorporate what they learn into their work. Art critique will be a part of each painting assignment. A lab fee is required.

Studio Art Painting (10 -12) **SEMESTER # 66208300**
Prerequisite: Painting
Graduation Credit: .05 Fine Arts
Second Semester of Painting. A lab fee is required.

Advanced Art (10-12) (level 3) **SEMESTER #66202000**
Prerequisite: Teacher approval
Graduation Credit: 0.5 Fine Arts

Advanced Art is for 10-12 grade students who have completed Art Foundations II in High School. In this class, students will work to complete the 'breadth' portion of the AP Drawing portfolio. There will be a wide variety of assignments and media used. Students will strengthen their painting and drawing abilities and must be prepared to work each class period. Specific time periods and art techniques will be emphasized and critique will be a part of each assignment. A lab fee is required.

Studio Art Advanced(10-12) **SEMESTER #66202300**
Prerequisite: Teacher approval
Second Semester of Advanced Art. A lab fee is required.
Graduation Credit: 0.5 Fine Arts

Visual Arts - Continued

Design and Visual Communications (level 1) (9 -12) YEAR #67421000

Graduation Credit: 1.0 Fine Arts or CTE

This course focuses on applied visual art principles and techniques. Students will learn strategies for effectively communicating ideas and information to businesses and consumer audiences. The course will explore a broad range of media including: computers, airbrush, illustration, cartooning, painting and drawing. A lab fee is required.

Visual Design & Advertising (level 2) (10 -12) YEAR #67423000

Prerequisite: Design /Visual Comm., Approval: Teacher
Graduation Credit: 1.0 Fine Arts or CTE

Students create original art using professional techniques. Explore the diverse and exciting careers of illustration, advertising and graphic design. Gain knowledge in concept design, layout copywriting, drawing, painting airbrush, Photoshop, Illustrator, InDesign illustration, cartooning, and graphic design. Assemble a portfolio for immediate employment or higher education opportunities. A lab fee is required.

Visual Communication & Industrial Design (level 3)(10 -12) YEAR #67422000

Prerequisite: Design /Visual Comm.
Approval: Teacher
Graduation Credit: 1.0 Fine Arts or CTE

Create art using artistic techniques reflecting professional standards. Communicate your personal vision and develop exciting projects that prepare you for the world of Industrial Design. Explore the various careers in coordination with working professionals. Complete a series of designs and products that demonstrate your mastery of techniques, strategies and concepts. Assemble a portfolio for immediate employment or higher education opportunities. A lab fee is required.

AP Studio Art 2D Design (10-12) YEAR #66209100

Approval: Pat Eddington
Graduation Credit: 1.0 Fine Arts or CTE

This class is based on a model developed by the College Board. Students will develop a portfolio of three sections, Breadth, and Concentration, and Quality. Portfolios will be graded by the College Board and successful portfolios will be awarded college credit. Portfolios can be used for admission to schools, scholarships, or for job interviews. Students will learn the professional standards of portfolio development and advanced design strategies. Media includes digital photography, painting, drawing, printmaking, and other diverse forms. Teacher approval required. A lab fee is required.

AP Studio Art 3D Design (10-12) YEAR #66209110

Approval: Carter Williams
Graduation Credit: 1.0 Fine Arts

This class is based on a model developed by the College Board. Students will develop a portfolio of three sections, Breadth, and Concentration, and Quality. Portfolios will be graded by the College Board and successful portfolios will be awarded college credit. Portfolios can be used for admission to schools, scholarships, or for job interviews. Students will learn the professional standards of portfolio development and advanced design strategies. A lab fee is required.

AP Studio Art Drawing (10-12) YEAR #66209120

Approval: Jean Vandertooleen
Graduation Credit: 1.0 Fine Arts

AP Drawing is for 11-12 grade students who will submit a portfolio to the AP board for review to receive college credit. Students will work in three areas; breadth, concentration and quality. At the end of the year you will have 29 art works to submit. You will need to create one art work each week to meet your goal. Students, you will take photos of your work. Up-load them to the AP site, write about your concentration, and select and mat five works that will be mailed to the board. A lab fee is required.

AP Art History (10-12) YEAR #66060000

Graduation Credit: 1.0 Fine Arts

This course will study humankind's creative efforts throughout history. Students will gain an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students will learn to look at works of art critically and to analyze what they see. This class requires a high degree of commitment to academic work in a program designed to meet college standards. No drawing or painting required)

Basic Digital Photography (level 1)(9-12) SEMESTER #66223700

Graduation Credit: 0.50
CTE or Fine Arts

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of digital photography. Instruction includes training in specialized camera and equipment operation, software usage, maintenance, applications to commercial and industrial needs, and photography business operations. Lab fee is required.

Advanced Commercial Photo (10-12) SEMESTER #66224500

(level 2 Digital Photo)
Graduation Credit: 0.50
CTE or Fine Arts

Digital photography is designed to develop in students a lifelong love of photography through learning the technical expertise to enable them to produce art-quality work. Students will learn about cameras, printers, and Adobe Photoshop editing and presentation software. They will be given opportunities to present their photographs in gallery settings and on the web. Career opportunities in photography will also be explored. Lab fee required.

Advanced Commercial Photo (11 -12) YEAR #662246000

(level 3 Digital Photo)
Prerequisite: Basic Digital Photography
Graduation Credit: 1.0 CTE or Fine Arts

Advanced photography is designed to offer students a rigorous environment in which to learn skills leading to post-graduate education or careers. Students are required to make gallery-quality prints for exhibition, enter competitions and other photographic exhibitions and prepare photographic materials for use on the Internet. Training includes, but is not limited to, art history, photographic history, use of professional equipment, studio experience and field practice. Students may be offered opportunities to participate in commercial assignments. Successful students will finish the year with a portfolio of prints that can be shown to college and university admissions departments or prospective employers. Lab fee required.

Film Making (9-12) SEMESTER #66102000

(Same as Video/Film Production I)
Prerequisite: None
Graduation Credit: 0.5 Fine Arts or CTE

Are you harboring an inner Steven Spielberg? Then take this class and learn all the ins and outs of pre-production, production, and post-production with hands-on assignments including use of cameras and professional editing software to create your very own video projects. Lab fee required.

PERFORMING ARTS

Dance IA (9 -12) SEMESTER #66105000

Graduation Credit: 0.5 Fine Arts or Lifetime Activities

This beginning level dance course develops dance knowledge and skills in technique, improvisation, choreography, artistic expression, performance, history, and culture. Connections to other curricular areas are made.

Dance IB (9 -12) SEMESTER #66106000

Prerequisite: Dance IA or Audition
Graduation Credit: 0.5 Fine Arts or Lifetime Activities

Second Semester of Dance IA
Approval: Teacher

Dance IIA (9 -12) SEMESTER #66107000

Prerequisite: Dance IB or Audition
Approval: Teacher
Graduation Credit: 0.5 Fine Arts or Lifetime Activities

This intermediate level dance course builds dance knowledge and skills in technique, improvisation, choreography, artistic expression, performance, history, and culture. Connections to other curricular areas are made.

Dance IIB (9 -12) SEMESTER #66108000

Prerequisite: Dance IIA or Audition
Approval: Teacher
Graduation Credit: 0.5 Fine Arts or Lifetime Activities
This intermediate level dance course is Second Semester of Dance IIA.

Dance IIIA (10 -12) YEAR #66109000

Prerequisite: Dance IIB or Audition
Approval: Teacher
Graduation Credit: 1.0 Fine Arts or Lifetime Activities

This advanced-level dance course strengthens dance knowledge and skills in technique, improvisation, choreography, artistic expression, performance, history, and culture. Connections to other curricular areas are made.

Dance IIIB (10 -12) YEAR #66110000

Prerequisite: Dance IIIA or Audition
Approval: Teacher
Graduation Credit: 1.0 Fine Arts or Lifetime Activities
This advanced level dance course extends the core standards and objectives presented in Dance IIIA.

Dance Company (10 -12) YEAR #66285000

Graduation Credit: 1.0, Fine Arts or Lifetime Activities
Prerequisite: Audition
Approval: Teacher

Dance Company provides the opportunity for members to enhance their skills and showcase their talents in dance technique, composition, improvisation, and performance. Students will be studying a variety of dance styles. Dance Company performs at various events during the year including their annual spring concert.

Theatre Foundations I (9 -12) SEMESTER #66111000

Graduation Credit: 0.5 Fine Arts

This course introduces students to the history of theater and the role of the actor in interpreting dramatic literature, performance, theory, and techniques. Students have experiences with pantomime, voice, interpretations, movement, acting, improvisation, scene memorization, costumes, and make-up.

Theatre Foundations II (9 -12) SEMESTER #66112000

Prerequisite: Theatre Foundations I
Graduation Credit: 0.5 Fine Arts

Second Semester of the basic theatre concepts of Theatre Foundations I by comparing and integrating theatre elements with other art forms. Students have the opportunity to analyze and critique performances.

Theatre Foundations III (9 -12) SEMESTER #66113000

Prerequisite: Theatre Foundations II
Approval: Teacher
Graduation Credit: 0.5 Fine Arts

This course adds to Theatre Foundations I and II concepts of character motivation through movement and voice, and projection of mood and feelings. Students study design concepts of visualization and technology, script research, variety in art forms, and assess performance effectiveness. This course tackles Shakespeare. You will be cast in a short play, prepare and perform scenes and monologues for the high school Shakespeare Competition in Cedar City. In addition, you will learn about directing, film acting, playwriting, and stage makeup. This course will also go into more detail on advanced acting and technique.

Theatre Foundations IV (9-12) SEMESTER #66114000

Prerequisite: Theatre Foundations III
Approval: Teacher
Graduation Credit: 0.5 Fine Arts

Second Semester This course fosters and refines all the basic concepts in theatre taught in Theatre Foundations I-III.

Play & Musical Production (9-12) YEAR #66276000

Approval: Teacher
Graduation Credit: 1.0 Fine Arts

This class will perform the fall musical. In addition, you will be cast and perform in a Broadway Musical Review, a competition play, and a spring play. Outside class time is required in order to be in this class.

Men's Chorus (9-12) YEAR #66240000

All voices no Audition
Graduation Credit: 1.0 Fine Arts

This course is a beginning level who are interested in singing but have very little experience. It is a non-auditioned choir. All are encouraged to enroll. If students have had choral experience in the past and are interested in joining an auditioned choir, schedule an audition with Mrs. Houston.

Women's Chorus (9-12) YEAR #66240010

All Voices no Audition
Graduation Credit: 1.0 Fine Arts

This course is a beginning level who are interested in singing but have very little experience. IT is a non-auditioned choir. All are encouraged to enroll. If students have had choral experience in the past and are interest in joining an auditioned choir, schedule an audition with Mrs. Houston.

Men's Ensemble Choir II TB (10-12) YEAR #66116000

Approval: Teacher
Graduation Credit: 1.0 Fine Arts

Students refine their musical ability and aesthetic understanding through singing in a choral ensemble. Study emphasizes reading music with fluency and polishing performance skills.
All voices by Audition

Ladies Ensemble Choir II SA (10-12) YEAR #66115000

Approval: Teacher
Graduation Credit: 1.0 Fine Arts

Students refine their musical ability and aesthetic understanding through singing in a choral ensemble. Study emphasizes reading music with fluency and polishing performance skills. **All voices by Audition**

Concert Choir (10-12) YEAR #66117000

Approval: Teacher
Graduation Credit: 1.0 Fine Arts

Advanced choir for students with intermediate to advanced sight singing skills. Students must be able to harmonize with other vocal parts. **All voices by Audition**

MADRIGALS (11-12) YEAR #66249000

Approval: Teacher
Graduation Credit: 1.0 Fine Arts

Advanced choir with limited enrollment for students with advanced sight-singing skills & ability to harmonize independently. Willing to dedicate several hours outside of school for performances, especially during December. **All voices by Audition**

String Orchestra (9 -12) (level 1) YEAR #66265000

Graduation Credit: 1.0 Fine Arts

This course provides opportunities to foster and refine musical expression through instrumental performance, analytical/evaluative skills, and aesthetic judgment. Study includes the care and cultivation of a beautiful tone, the ability to read music with fluency, team spirit and responsible rehearsal habits.

Concert Band (9 -12) YEAR #66233000

Prerequisite: Year experience in band
Approval: Teacher
Graduation Credit: 1.0 Fine Arts

The Concert Band open to: Flute, Oboe, Clarinet, Bass Clarinet, Alto Sax, Tenor Sax, Bari Sax, Trumpet, Horn, Trombone, Euphonium/Baritone, & Tuba. Students must be able to read music, have 2 years of experience on band instrument. Students will participate in the Pep Band at home football and basketball games & also at least 4 concert performances throughout the school year.

Symphony Orch (9 -12) (level 2) YEAR #66266000



Musical Arts - Continued

Approval: Teacher
Graduation Credit: 1.0 Fine Arts

Students must be able to read music and be technically proficient on their instrument. Students will participate in at least 4 concert performances and small group performances. **Audition or approval.**

Percussion Ensemble (9 -12) YEAR #66261000
Approval: Teacher
Graduation Credit: 1.0 Fine Arts

Students in this course will develop performance skill on snare drum, bass drum, timpani board, and auxiliary instruments. Students are expected to purchase some drumsticks and mallets for their own use. Students are expected to perform on or with both bands.

Jazz Band (10 -12) YEAR #66234000
Prerequisite: **Audition or approval**
Graduation Credit: 1.0 Fine Arts

This course is for students playing: Alto Sax, Tenor Sax, Bari Sax, Trumpet, Trombone, Drum Set, Piano, Guitar and Bass Guitar. Must be able to read music & have 2 years of experience on a jazz band instrument.. Students will participate in at least 4 concert performances throughout the school year.

AP Music Theory (10 -12) YEAR #66546000
Approval: Teacher
Graduation Credit: 1.0 Fine Arts

This course provides the serious music student with advanced study in the elements of music and music theory of the Common Practice Period, including scales, chords, part-writing, structural analysis, aural recognition, and composition. Students are expected to be enrolled in a Highland High School music ensemble course. Students enrolled in AP Music Theory are expected to take the Advanced Placement examination in the spring.

Beginning Piano (9 -12) YEAR #66237000
Graduation Credit: 1.0 Fine Arts

In the first year students are enrolled in piano classes, they learn basic rhythms, correct hand position and technique, articulations, dynamics, note names on the piano and how to read notes on the grand staff. The curriculum also includes information about the lives of many of the great composers along with teaching the students how to present themselves in a public performance. Four recitals are held each year to demonstrate the student's progress and give them the opportunity to practice their public presentation skills.

Piano II (9 -12) YEAR #66238000
Graduation Credit: 1.0 Fine Arts
Approval: Teacher

Students who have had at least a year of serious piano study. Students will dedicate at least 2 hours to practicing each week outside of class. **Audition with Ms. Houston.**

Stage Crew (9 -12) YEAR #67941000
Approval: Teacher
Graduation Credit: Elective Credit

This course is designed to provide students the opportunity to work with staging, lighting and sound in the auditorium. Students must be willing to meet rehearsal schedules before and after school. It is recommended that students registering for Stage Crew have a basic knowledge of electricity and sound.



Healthy Lifestyles

**PE Skills (9 -12) SEMESTER BOYS #68109010
GIRLS #68109020**
Graduation Credit: Graduation Requirement

This course will develop participation skills and techniques in a variety of individual and team sports and dance activities with emphasis on leadership, courtesy, respect, and fairness. This course helps each student adopt a personal lifestyle that will achieve physical fitness.

**Fitness for Life (9-12) SEMESTER BOYS #68200010
GIRLS #68200020**
Graduation Credit: Graduation Requirement

Students will identify and understand all of the components of fitness, such as cardiovascular fitness, strength, flexibility, endurance, weight control, nutrition, eating disorders and stress management. This course helps each student adopt a personal lifestyle that will achieve physical fitness.

Lifetime Activities (10 -12) SEMESTER #68204000
Prerequisite: PE Skills & Fitness
Graduation Credit: 0.5 Lifetime Activities

This course helps students develop intermediate to advanced skills and techniques in a minimum of three team sports. Emphasis is placed on skill development, knowledge of rules, team strategy, team work, sportsmanship and leadership.

Health (10 -12) SEMESTER #68901000
Graduation Credit: 0.5 Graduation Requirement

This one semester course assists students in the continual development of skills needed to improve the quality of life. The course emphasizes the physical, social, and mental dimensions of people so that the students become better consumers of health information. It offers students an opportunity to evaluate health practices, products and services. Health is a required course for graduation.

Medical Anatomy & Physiology-(MAP) (10 -12) YEAR #67939000
Pre-req: Highly suggested Med Terminology be taken before/with course
Location: Highland High
Graduation Credit: 1.0 CTE, Health, or 3rd year science credit

This course is designed for students pursuing medical and health related careers or for those who wish to gain a better understanding of the human body that can be applied to everyday life. The course focuses on human biology and incorporates dissections, labs, and other hands-on activities. Areas of study include basic body chemistry, tissues, anatomy and physiology of all body systems, diseases and medical terminology. Instruction includes intermediate anatomy and physiology, diseases and disorders, and medical ethics. The class is designed to prepare students for a variety of health care programs and future employment in a health care field. A lab fee is required.

Body Conditioning (10 -12) SEMESTER #68223000
Prerequisite: Participation Skills
First Semester
Graduation Credit: 0.5 Lifetime Activities

Body Conditioning (10-12) SEMESTER #68225000
Second Semester
Graduation Credit: 0.5 Lifetime Activities

This course will include basic weight training, fitness, flexibility techniques and individualized lifetime weight lifting instruction.

**BOY'S WEIGHT TRAINING:
Weight Training (9 -12) SEMESTER #68221000**
First Semester
Graduation Credit: 0.5 Lifetime Activities
Approval: Coach Benson

Second Semester SEMESTER #68222000
Graduation Credit: 0.5 Lifetime Activities
Approval: Coach Benson

This course is designed for those athletes who require a highly specialized and individualized program for any specific sport training.

Athletics (10-12) SEMESTER #68908000
Graduation Credit: 0.5
First Semester - See Coach Benson

Second Semester - See Coach Benson SEMESTER #68909000
Graduation Credit: 0.5

Athletics (10-12) SEMESTER #68908100
Graduation Credit: 0.5
First Semester - See Coach West

Second Semester - See Coach West SEMESTER #68909100
Graduation Credit: 0.5

**GIRL'S WEIGHT TRAINING:
Aerobics & Body Conditioning (10-12) SEMESTER #68227000**
First Semester
Approval: Coach Benson

Advanced Participation & Skills (9-12) SEMESTER #68210000
Graduation Credit: 0.5 Lifetime Activities
Second Semester: See Coach Benson

This course is designed for those athletes who require a highly specialized and individualized program for any specific sport training.
Graduation Credit: 0.5 Lifetime Activities

Career & Technical Education



CAREER & TECHNICAL EDUCATION PATHWAY COMPLETER AWARD

The Career Pathway Completer Award is for students who earn 3 credits of "C" or better in a career pathway. This medallion goes great with either black or white graduation gowns!! See Pathways below for qualifying courses, and see your counselor or CTE Coordinator for an award application.

CTE COURSES

Most of these classes are at Highland, but some are offered off-campus at the district Career & Technical Education Center (CTC), or East High School, as designated. Transportation to and from these sites is provided unless otherwise indicated.

AGRICULTURE EDUCATION PATHWAY

Biology Agricultural Sci.(9 -12) YEAR #67927000
Location: Horizonte
Graduation Credit: 1.0 Biology or CTE

This course is designed to meet the requirements for biological science credit. It is a hands on way to earn biology credit with an emphasis on agriculture as it relates to nursery operation

Landscape management.

Companion Animal Science (9 -12) SEMESTER #67239000
Location: CTC
Graduation Credit: .5 CTE

This class is a look at the relationships between humans and their animals. Training techniques are discussed for guide dogs, search and rescue, show animals, police & military dogs and companion animals. By invitation only, a special section of this class is partnered with Guide Dogs for the Blind and involves raising specially bred puppies to become service animals.

Guide Dog Animal Science (10-12) YEAR #67239200
Prerequisite: Companion Animal Sci & Teacher Approval
Location: CTC
Graduation Credit: 1 CTE

Learn how to take care of, socialize, and train a puppy to be a guide dog.

Greenhouse Management (10 -12) SEMESTER #67416200
Location: Horizonte
Graduation Credit: .5 CTE

Students will develop knowledge and skills related to the floriculture industry. Floral design and greenhouse operations and management will be the primary units of study. Students will be prepared to create floral arrangements, produce commercial plant species in a controlled environment, and manage commercial and experimental greenhouse operations.

Landscape Management (10 -12) SEMESTER #67416400
Location: Horizonte
Graduation Credit: .5 CTE

Students will develop knowledge and skills in nursery operation and landscape management practices that will prepare the students to select appropriate plant materials and to design, install, and maintain interior and exterior plantings and hardscapes. They will also learn to maintain the facilities and equipment associated with this industry.

BUSINESS EDUCATION PATHWAY

Computer Technology (9 -12) SEMESTER #65209000
Prerequisite: Word Proc 25 wpm Location: Highland High
Graduation Credit: .5 Computer Tech Grad Requirement
No CTE credit given

This required course provides students with future-ready technology skills needed for high school, post-secondary education and career success. It provides an introduction to computer essentials including word processing, spreadsheets, file management, internet resources, ethics, and computer basics. Computer Technology aligns with industry standards for Word and Excel for students wishing to pursue certification. Lab fee required.

Computer Technology II (10-12) SEMESTER #65209200
Prerequisite: Successful completion of Computer Tech or its equivalent.
Graduation Credit: .5 CTE Location: Highland High

Going beyond the required computer technology course, computer technology II is for students who enjoy using Microsoft Office programs and want to build advanced skills in Word, Excel, and PowerPoint. Students also become acquainted with Access. This course prepares students for internships, employment, industry certifications, and Sterling Scholar recognition. Lab fee required.

Exploring Computer Science(ECS) (9-12) SEMESTER #65261800
Fulfills the Computer Technology graduation requirement,CTE,or elective credit.
Graduation Credit: .5 CTE Location: Highland High

Exploring Computer Science introduces students to the breadth of the field of computer science. Rather than focusing the entire course on learning particular software tools or programming languages, the course focuses on conceptual ideas of computing and helps students understand why certain tools or languages might be utilized to solve particular problems. Students will also be introduced to a variety of applications that can be used for activities at school, home, business and careers. Since computing-related job openings continue to increase at a higher rate than for all other jobs, this course orients students to high-paying future opportunities in computer science--such as healthcare, art, gaming, environmental protection and humanitarian relief. All students are invited to enroll---even if they have previously completed the Computer Technology graduation requirement.

Word Processing Basic (9-12) SEMESTER #67303000
Location: Highland High Graduation Credit: .5 CTE

This class gives students the opportunity to increase their keyboarding skills, helping them to be successful when they take computer technology. In this course basic word processing skills are taught. Skills include keyboarding, editing, and proofreading documents, performing standard file management and creating business documents simulating authentic job environments. They will also develop essential skills in Microsoft Word. A lab fee required.

Word Processing Basic w/Computer Tech (9-12) YEAR #67303010/65209010
Location: Highland High Graduation Credit: .5 Elective, .5 Computer Tech

This year-long class provides a foundation in keyboarding and computer usage during Semester 1 and flows directly into Computer Technology in Semester 2. See full descriptions above. A lab fee is required.

Yearbook/Desktop Publishing I & II (11-12) YEAR #65218000/ #65218200

Prerequisite: Spring tryout, Teacher Approval
Location: Highland High
Graduation Credit: 1.0 CTE

CTE (Continued).

This full-year course provides skill development in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. Proofreading, document composition, and communication competencies are also included. The end product is the publication of the Highlander, the Highland High School Yearbook. Students will be expected to attend, photograph, and document various activities during the school year. A lab fee required.

FAMILY & CONSUMER SCIENCES EDUCATION PATHWAY

CHILD & FAMILY LIFE

Adult Roles & Financial Literacy (11 -12) YEAR #67238200
Location: Highland High
Graduation Credit: .5 CTE & .5 Financial Literacy

This course prepares students for life after high school. It helps students understand and cope with personal, family, and social challenges integrated with financial literacy. Emphasis is placed on decision making, students learn to set and implement financial goals, develop communication skills and self-awareness, and understand sources of family income and the relationship between income and career preparation, crisis management, marriage preparation, savings, investing, parenting, and retirement planning. FCCLA student leadership organization may be an integral part of the course. Students who complete the course fulfill the general financial literacy graduation requirement. Lab fee is required.

Child Development (9 -12) SEMESTER #67237000
Location: Highland High
Graduation Credit: .5 CTE

Boost your knowledge and understanding of human growth and development, as you observe and analyze children's physical, intellectual, emotional, and social growth from the prenatal period through adolescence. Parenting skills are developed as appropriate care, positive guidance techniques, and child related issues are studied. This course will lay the foundation for future careers in child related fields and parenting. At the completion of this course, you will be qualified to take Early Childhood Education I. Lab fee required.

Early Childhood Ed. I (10 -12) YEAR #67225600
Pre-requisite: Child Development
Location: Highland High
Graduation Credit: 1 CTE

Experience the joy of creating fun and exciting activities for children who are full of life and love learning! In this hands-on and engaging course, you will plan, evaluate activities, and observe children in a child care lab. You will gain insights into children's development, and your own growth, which will optimize your interactions with children now and in the future. At the conclusion of this course, you will be better prepared to enter a college-level teaching program, and you will have the skills necessary for advanced certifications and immediate employment in child care related jobs. At the completion of this course you will be qualified to take Early Childhood Education II. Lab fee required.

Early Childhood Ed. II (11 -12) YEAR #67225700
Prerequisite: Early Childhood Ed I,
Graduation Credit: 1.0 CTE

Expand your skills in teaching young children. Gain hands-on experience as you work with young children and complete steps to apply for the Child Development Associate (CDA) credential. Your experiences will include: program planning and management, resource and facility management, peer mentoring, supervising recreational and play activities, and preparing, implementing, and evaluating learning experiences for children. At the conclusion of this course, you will be well on your way to completing the CDA credential and will be more highly qualified for immediate employment in child care related jobs. Lab fee required.

FOOD & CULINARY ARTS

Culinary Arts/Chef Prep (10 - 12) YEAR #67215300
Location: Taught daily at Horizonte
Graduation Credit: 2.0 CTE
Pre-req: Foods 1 or 2 Preferred

It's not quite Hell's Kitchen, but you will have a great time learning how to prepare delicious gourmet food. Students will learn trend-setting professional practices used in up-scale restaurants. Students will also participate in catering events in and outside of the district. Transportation provided via CTC bus to/from home high school.

Food & Nutrition I (9 -12) SEMESTER #67193000
Location: Highland High
Graduation Credit: .5 CTE,

Do you like to eat good food? Sign up and develop your cooking skills as you learn the principles of good nutrition and how to use My Plate guidelines for every day eating. Learn how to improve your level of fitness and personal health and well-being. We cook about 50-60% of the time. FCCLA student leadership organization may be an integral part of the course. A lab fee required..

Food and Nutrition II (9 -12) SEMESTER #67194000
Prerequisite: Food & Nutrition I
Location: Highland High
Graduation Credit: .5 CTE

Would you like to cook and eat delicious foods? Would you like to develop awesome knife skills? Channel your inner chef as you make

salads, casseroles, mother sauces, poultry, meat, soups, yeast breads, pastries, and more. We cook about 65-70% of the time. Take control of your health by discovering why food consumption is related to diseases. Learn how nutrition helps maintain a healthy level of fitness for life. FCCLA student leadership organization may be an integral part of the course. A lab fee required.

Pro Start I (10-12) YEAR #67190000
Prerequisite: Foods and Nutrition I & II, Teacher Approval
Graduation Credit: 1.0 CTE Location: Highland High

Students will continue to be trained for employment in restaurants. We study cost control, nutrition, purchasing and inventory, marketing and sustainability. We also study and cook breakfast foods, sandwiches, salads and garnishes, meat, poultry, seafood, desserts, baked goods, and global cuisine from the Americas, Europe, Mediterranean, Middle East and Asia. ProStart 1 & 2 are taught in alternating years. **You don't need to take ProStart 1 before taking ProStart 2.** If you've had Food and Nutrition 1 & 2 you may take ProStart 2 Hands on cooking is an integral part of this course. We cook about 90-95% of the time. A lab fee required.

FASHION DESIGN, INTERIORS, & SEWING

Fashion Strategies (9 -12) SEMESTER #67209000
Location: Highland High
Graduation Credit: .5 CTE

Students will learn to apply the principles and elements of design to their clothing as they evaluate and learn how to choose styles that will flatter their figure type. Past, present, and future fashions and the parts of a garment and basic textiles information will be taught. Students will use writing skills to discuss these basic fashion elements in a design portfolio over the semester. FCCLA student leadership organization may be an integral part of the course. Lab fee required.

Interior Design I (9 -12) SEMESTER #67901000
Location: Highland High
Graduation Credit: .5 CTE

Interior design is about spaces and the needs of the people that occupy them. The designer works on the aesthetics, as well as the functional, social, safety and cultural aspects of the space. In this class you will explore your creativity through the elements and principles of design. Learn to consider space allocation, traffic flow and furniture arrangement. Investigate careers. FCCLA may be an integral part of this course. Lab fee required.

Interior Design II (10 -12) SEMESTER #67905000
Prerequisite: Interior Design I
Location: Highland High
Graduation Credit: .5 CTE,

This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the students study: architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. Design skills may be developed through computer projects. Residential, commercial and school interior design applications may also be explored as well as careers. FCCLA may be an integral part of this course. A lab fee required.

Sports Sewing I (9 -12) SEMESTER #67195000
Location: Highland High
Graduation Credit: .5 CTE

This course teaches students basic construction skills, but is specialized to concentrate on specific fabrics or projects such as outdoor or sports clothing. Students will learn clothing care techniques and basic repair skills. Focus will be on sewing beginning projects and may include banded pillowcase, hat, boxers, book bag and sweatshirt. FCCLA student leadership organization may be an integral part of the course. A lab fee required.

Clothing II (9-12) SEMESTER #67191000
Location: Highland High
Graduation Credit: .5 CTE

Once students get an introduction to sewing, they see a whole new world of sewing possibilities they can create. In this class students will choose a commercial pattern in his/her own skill range and construct articles of clothing such as pajamas and a skirt or dress. Fabric selection, pattern alteration, fitting, and creative designing will be explored. Students will develop intermediate sewing skills as they create clothing articles with sleeves, facings, and zippers as well as decorative skills such as ruffles, piping, and embroidery. FCCLA student leadership organization may be an integral part of the course. Lab fee required.

HEALTH SCIENCE EDUCATION PATHWAY

Advanced Health Science HL (11-12) YEAR #67950500
Prerequisite: MAP, Teacher Approval
Location: Highland High
Graduation Credit: 1.0 CTE or Science Elective

Advanced Health Science HL is a course designed to study the health sciences and health professions through medical case studies. The course focuses on patient case histories, the disease processes, and the health professionals who work as a team to diagnose and treat disease. Each case study focuses on a different disease and different body system. The case studies have an on-line component. Students are assigned an Anatomy in Clay model which allows the student to build the human body using clay, expanding the student's understanding of the human body. Lab fee required.

Biotechnology w/Concurrent Option (11-12) YEAR #67928200
Prerequisite: Biology & Chemistry
Location: Highland High
Graduation Credit: 1.0 CTE or Science Elective & 3 College Science

Biotechnology is a fun-filled, exciting, hands-on class that explores the labs and technology of biology. It is designed as an introduction to the basics of lab work and also to create an awareness of career possibilities in the field of biotechnology. This course provides basic laboratory skills and a solid foundation for success in future high school or university lab experiences. The curriculum covers a range of material from performing basic measuring labs to accomplishing complex genetics labs to evaluating students' fitness; there is something here for everyone. Biotechnology counts as a science elective and can be taken as concurrent enrollment through SLCC. Juniors and seniors may register in this course for SLCC college credit. FEES: \$5 per credit hour; one-time college application fee \$40. Also, a lab fee is required.

Certified Nurse Assisting (11 - 12) YEAR #67933000
Prerequisite: MAP
Location: CTC
Graduation Credit: 1.0 CTE

Students will learn routine nursing skills to service patients in a hospital or long-term care facility. Students completing the CNA course will be prepared to take the state CNA Certification exam. This license will facilitate employment in a hospital and future educational opportunities in health science. State testing fee.

Exercise Science/Sports Medicine (11-12) YEAR #68801000
Recommended Medical Anatomy & Physiology-Not Required
Location: Highland High School
Graduation Credit: 1.0 CTE

Do you want to get a jump start on an exciting career in sports medicine? This is a course where you get hands-on experience working with high school athletes on and off the field (in all venues of the sports arena). Students in this class have the opportunity to work on the sidelines during games, experience some of the different modalities used to treat athletes, help prep and tape athletes for games and interact with different professionals from various fields. Initial training in class includes learning athletic taping jobs, proper techniques for icing, blood management, static stretching all in preparation to working with athletes in game and practice situations. Additional classroom learning involves basic anatomy and physiology and other learning units, which include things such as: performance enhancement, sports nutrition, basic knowledge on injuries and therapeutic exercise and modalities. This class is a great addition to the schedule of any athlete or anyone interested in a career in medicine! A lab fee required.

EMT Basic Certification (12 only) SEMESTER #67942200
Pre-req: Med Anatomy & Phys & Medical Terminology
Location: CTC
Graduation Credit: 1.0 CTE (double period)

Must turn 18 within 90 days of completing course. This course prepares students to perform initial medical diagnosis, treatment, and comprehensive care in medical crises; under the general supervision of a coordinating physician. Includes instruction in all aspects of basic health care; disease, disorder, and injury symptomology and diagnosis; emergency medical treatment procedures for various injuries and disease outbreaks; basic pharmacology; anesthetics; intravenous and other drug administration procedures; obstetrics procedures; basic surgical techniques; emergency medical equipment operation and maintenance; special care of patients exposed to heat, cold, radiation, or contagious disease; and administrative aspects of emergency medicine. Programs may include emergency vehicle operation and patient transportation procedures, depending on level of training. State testing fee.

Intro to Emergency Med Service (10 -12) SEMESTER #67942000
Location: Highland High
Graduation Credit: .5 CTE

This course serves as an introduction into Emergency Medicine. It will provide the participant with the knowledge and skills necessary to work as a first responder in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until more advanced medical help can arrive. The course is designed to teach both pertinent information as well as teaching skills needed in different emergency situations. Upon completion of the course the student will be a certified in advanced first aid and CPR. State Test Fee.

Intro to Health Science (9 -12) SEMESTER #67929000
Location: Highland High
Graduation Credit: .5 CTE

This semester course is designed to prepare students with an interest in a health care career for further study. Students will explore career possibilities in health care and the education--they will need to compete in the job market. This course covers basic anatomy and physiology, medical terms, medical ethics, and diseases and disorders, and preparing students for more advanced information in Medical Anatomy & Physiology. Note: Some schools offer the Introduction to Health Science integrated with general Health, in an entire year course. A lab fee required.

Medical Anatomy & Physiology-(MAP) (10 -12) YEAR #67939000
Pre-req: Highly suggested Med Terminology be taken before/with course
Location: Highland High
Graduation Credit: 1.0 CTE, Health, or 3rd year science credit

This course is designed for students pursuing medical and health related careers or for those who wish to gain a better understanding of the human body that can be applied to everyday life. The course focuses on human biology and incorporates dissections, labs, and other hands-on activities. Areas of study include basic body chemistry, tissues, anatomy and physiology of all body systems, diseases and medical terminology. Instruction includes intermediate anatomy and physiology, diseases and disorders, and medical ethics. The class is designed to prepare students for a variety of health care programs and future employment in a health care field. A lab fee is required.

Medical Assisting (12) YEAR #67936000
Prerequisite: MAP & Med Terminology
Location: CTC Taught Daily 1-4:00
Graduation Credit: 4.0 CTE
Fee: \$75.00

CTE (Continued).

Would you like to work in a doctor's office or in a clinic? This class covers skills needed to work in a physician's office, medical records management, phlebotomy, telephone triage, minor surgical procedures, injections, billing and coding, IV placement, and many more medical skills are covered in this engaging class. This course prepares students to take the State Board of Education test for Utah Endorsed Medical Assistant Certification. Students meet daily Monday-Friday from 1:15-4:00, students need to provide transportation home from the CTC.

Medical Terminology (9-12) SEMESTER #67630000
Location: Highland High Graduation Credit: .5 CTE

This course provides students with an in-depth study of medical terminology. It utilizes the Dean Vaughn Program which has been highly effective in teaching students medical terms in a way that can be easily remembered. The course will focus on learning prefixes and suffixes and building words associated with the human body, medicine and healthcare industries. It is designed to prepare students for college medical classes and for employment in the healthcare professions. Lab fee required.

INFORMATION TECHNOLOGY EDUCATION PATHWAY

3D Animation (10-12) SEMESTER #67419200
Prerequisite: 3D Graphics, Digital Media I and Drawing
Location: CTC
Graduation Credit: .5 CTE

3D animation students continue the processes of computer generated imaging. These skills are used in video game design and special effects in films. 3D Animation put the characters and objects produced in to motion. A history of animation is also included. Career opportunities in 3D graphics and animation include entertainment (gaming/movies) health sciences, and architecture, aerospace, advertising

3D Animation Advanced (10-12) SEMESTER #67419220
Prerequisite: Adv 3D Graphics Location: CTC
Graduation Credit: .5 CTE

A continuation of Advanced 3D Graphics (should be taken sequentially) where students will put advanced graphic and animation techniques into practical application.

3D Graphics (10-12) SEMESTER #67419300
Pre-req: Computer Tech and Digital Media I
Location: CTC Graduation Credit: .5 CTE

3D graphics students will learn the techniques of computer generated imaging. These skills are used in video game design and special effects in films. A history of animation is also included. Career opportunities in 3D graphics and animation include entertainment (gaming/movies) health sciences, and architecture, aerospace, advertising, and law enforcement. Students must take 3D Animation to complete this yearlong program.

3D Graphics Advanced (10-12) SEMESTER #67419320
Prerequisite: 3D Graphics & Animation Location: CTC
Graduation Credit: .5 CTE

Students enrolled in Advanced 3-D classes will continue to develop skills related to the gaming and animation industries. Character development, bi-pedal work and background art are stressed.

Computer Programming I (9 - 12) YEAR #65274000
Prereq: Algebra I, Word Proc Basics or type 35 WPR, CompTech
Location: CTC
Graduation Credit: 1.0 CTE

Skill Test: #820 Computer Programming 1A (January)
Introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills to beginning students through a programming language such as Delphi, C++, C#, Java, Python, or VB.

Computer Programming II (10-12) YEAR #65278000
Prerequisites: Computer Programming IA, Algebra I
Skill Test: #824 Computer Programming IB (May)

This is an intermediate class in computer programming/software engineering and applications. It reviews and builds on the concepts introduced in Computer Programming IA. Introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs. The skills test covers skills learned in Computer Programming IA & IB (Java)

Computer Maintenance Technician A+ (9-12) YEAR #67291000
Location: CTC
Graduation Credit: 1.0 CTE

A+ Certification is a testing program sponsored by CompTIA that certifies the competency of entry-level (6 months experience) service technicians in the computer industry. Anyone who wants an internationally-recognized credential as a competent entry-level (6 months experience) computer service professional can take the A+ examination. The program is supported by major computer hardware and software vendors, distributors, resellers and publications. Earning A+ certification means that the individual possesses the knowledge, skills, and customer relations skills essential for a successful entry-level (6 months experience) computer service technician, as defined by experts from companies across the industry.

Gaming Development (9-12) SEMESTER #65264000
Location: CTC
Graduation Credit: .5 CTE

This course will provide core gaming development skills. Students will gain a solid foundational knowledge of game design, hardware, graphics and animation.

Mobile Development (9-12) SEMESTER #65265000
Location: CTC
Graduation Credit: .5 CTE

This course will provide core mobile development skills. Students will gain a solid foundation knowledge of topics relating to mobile device development, including HTML5, and other mobile operating system tools. It is recommended that students be familiar with the concepts of and have hands-on experience with the mobile development technologies.

Network + (10-12) YEAR #67292000
Prerequisite: Comp Maintenance Tech A+
Location: CTC
Graduation Credit: 1.0 CTE

Network+ is a testing program by the Computing Technology Industry Association (CompTIA) that certifies the knowledge of networking technicians with 18-24 months experience in the IT industry. Earning the Network+ certification means that the candidate possesses the knowledge needed to configure and install the TCP/IP client. This exam covers a wide range of vendor and product neutral networking technologies

Exploring Computer Science(ECS) (9-12) SEMESTER #65261800
Fulfills the Computer Technology graduation requirement, CTE, or elective credit.
Graduation Credit: .5 CTE
Location: Highland High

Exploring Computer Science introduces students to the breadth of the field of computer science. Rather than focusing the entire course on learning particular software tools or programming languages, the course focuses on conceptual ideas of computing and helps students understand why certain tools or languages might be utilized to solve particular problems. Students will also be introduced to a variety of applications that can be used for activities at school, home, business and careers. Since computing-related job openings continue to increase at a higher rate than for all other jobs, this course orients students to high-paying future opportunities in computer science--such as healthcare, art, gaming, environmental protection and humanitarian relief. All students are invited to enroll--even if they have previously completed the Computer Technology graduation requirement.

MARKETING EDUCATION PATHWAY

Entrepreneurship Marketing (10-12) SEMESTER #67228000
Location: Highland High
Graduation Credit: .5 CTE

This course helps students gain an understanding of the business/marketing principles necessary to start and operate a business. Students will learn basic economic principles related to business ownership. They will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, determining feasibility of an idea utilizing research, developing a plan to organize and promote the business and its products/services, and finally, to understand the capital required, the return on investment desired, and the potential for profit.

Marketing I (10-12) SEMESTER #65221300
Location: Highland High
Graduation Credit: .5 CTE

This course helps students gain an understanding of the business/marketing principles necessary to start and operate a business. Students will learn basic economic principles related to business ownership. They will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, determining feasibility of an idea utilizing research, developing a plan to organize and promote the business and its products/services, and finally, to understand the capital required, the return on investment desired, and the potential for profit.

TECHNOLOGY & ENGINEERING EDUCATION PATHWAY

Physics with Technology (10 -12) YEAR #67947000
Location: Highland High
Graduation Credit: 1.0 Science or CTE

This course covers the topics of matter, motion, and energy through hands-on, practical applications of the main concepts to mechanical, fluid, thermal, and electrical systems. The curriculum is built around a specific set of laboratory materials. It is for students who desire a background course for future science or technology-related careers. A lab fee required.

SKILLED & TECHNICAL SCIENCES PATHWAYS

1. AUTOMOTIVE TRADES

Auto Collision NS Repair (Beg)(10-12) YEAR #67234700
Location: East High
Graduation Credit: 1.0 CTE

This is a course that prepares individuals to repair automotive, uni-bodies, fenders, and frames of automobiles. Instruction includes training in non-structural and structural repairs. Work ethics and productivity are an integral part of the classroom and laboratory activities of this program. Transportation provided.

Auto Collision Repair RT(Adv) (11-12) YEAR #67235300
Prereq: Auto Collision Repair NS Beg.
Location: East High
Graduation Credit: 1.0 CTE

This is a course that prepares individuals to repair automotive, uni-bodies, fenders, and frames of automobiles. Instruction includes training in refinishing and painting. Work ethics and productivity are an integral part of the classroom and laboratory activities of this program. Transportation provided.

ASE Brakes/Steering & Susp. (10-12) YEAR #67792000/67798000
Location: Highland High
Brakes 1st sem/Steering & Susp. 2nd sem
Prerequisite: Intro to Auto, Approval: Teacher
Graduation Credit: .5 & .5 CTE

This course prepares students to maintain and service the steering and suspension systems on all types of automobiles. Analyze, diagnose, maintain, and repair basic steering and suspension malfunctions and components. Lab work is based on the NATEF task list. Employability and work habits are emphasized. Students will prepare for ASE certification, entry-level employment, and further education. This is a semester course in combination with ASE Brakes (Auto 2). Lab fee required.

Describe, Reinforce and Review the areas covered in Intro to Automotive
Introduce Basic Diagnosis and Problem Solving skills
Utilization of the automotive task lists
Individual work
Introduce Project Based Learning model

ASE Engine Performance (11 -12) YEAR #67796000
Prerequisite: ASE Brakes/ASE St. & Sus.Approval: Teacher
Location: Highland High
Graduation Credit: 1.0 CTE

This course prepares students to analyze, diagnose, maintain, and repair engine performance systems on modern automobiles using advanced diagnostic and repair equipment. Employability and work habits are emphasized as students are introduced to industry practices through field studies, internships, and SkillsUSA. Students will prepare for ASE certification, entry-level employment, and post-secondary education. Classroom and lab activities are based on the NATEF task list. This is a full year course in combination with ASE Electrical/Electronics. Learn the importance of deadlines and how to meet them. Lab fee required.

Project Based Learning- Vehicle Projects (Group Model), Reinforce Task lists, Develop Leadership and Communication Skills, Demonstrate valuable Employment Skills/Work Ethic
Learn Goal Setting

Intro to Automotive (10 -12) YEAR #67230400
Location: Highland High
Graduation Credit: 1.0 CTE

This course prepares students to maintain and service all types of automobiles in a rapidly changing industry. Instruction focuses on shop safety, basic technical skills, and a full systems approach to maintaining modern automobiles and preparation for higher-level auto classes, entry-level employment, and further educational goals.
Learn and navigate through the basic systems of the automobile. Emphasis in the following areas:
safety and MDS, tools and equipment, tires, suspension, steering, brakes and hydraulic systems, electrical systems, and engine and drive train. Lab fee required.

Small Engine Technician (9 -12) SEMESTER #67246000
Location: Highland High
Graduation Credit: .5 CTE

T Meets Graduation Requirement: Career & Technical Education
A hands-on experience that demonstrates mechanical concepts and procedures, preparing students to diagnose, troubleshoot, tune-up, repair, disassemble and reassemble small internal combustion engines used on motorcycles, scooters, ATV's, go-carts, mo-peds, lawnmowers, leaf blowers, weed trimmers, chainsaws and more. Lab fee required.

2. BUILDING TRADES Woods

Cabinetmaking & MillWork (10-12) YEAR #67285000
Prereq: Furniture Design & Manufacturing
Location: Highland
Graduation Credit: 1.0 CTE

This is the third instructional course in a sequence that prepares individuals to apply technical knowledge and skills to set up and operate industrial woodworking machinery and to use such machinery to design and fabricate custom cabinets and architectural millwork. It stresses the safe use of trade hand and power tools and machinery used in the production of millwork items. Cabinets, such as kitchen and vanities are constructed, finished, and installed as part of this program. Lab fee required.

Furniture Design & Manufacturing (10-12) YEAR #6728900
Prereq; Woodworking I
Location: Highland
Graduation Credit: 1.0 CTE

This instructional course prepares students to utilize the technical knowledge and skills developed in woodworking II to design, construct and finish furniture projects. Students will be using more elaborate woodworking techniques and wood components in the assembly and repair of cabinets and furniture. This course also stresses the safe use of hand tools, power tools and machinery used by the professionals in the woodworking industry. Lab fee required.

Woodworking I (9-12) YEAR #67281000
Location: Highland

CTE (Continued).

Graduation Credit: 1.0 CTE

The first semester of this course in a sequence prepares students to develop the technical knowledge and skills necessary to create and design, measure and layout a wood project from a scale drawing using a bill of materials/plan of procedure, mill and assemble projects, sand and apply finish, and install hardware to complete a wood project. This course also stresses the safe operation of a variety of hand tools, power tools and machinery used by the professionals in the woodworking industry. This course continues for the entire year, with students finishing/completing more complex wood projects. Students must have completed woodworking I to continue into second semester of woodworking II. Lab fee required.

Welding

Welding Entry Level (9-12) YEAR #67249200
Location: Highland
Graduation Credit: 1.0 CTE

Students will learn basic welding skills in gas metal arc welding, shielded metal arc welding and oxy-fuel cutting that will prepare them to apply technical knowledge and skill in the workplace. Students will learn and practice knowledge, attitude, skills and habits required for performing job tasks safely and efficiently.

Welding Intermediate Level (10-12) YEAR #67249300
Location: Highland
Prerequisite: Weld. Entry Level
Graduation Credit: 1.0 CTE

Students will learn intermediate welding skills in flux cored arc welding, gas tungsten arc welding, air carbon arc welding and plasma cutting that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Students will learn and practice knowledge, attitude, skills and habits required for performing tasks, including the selection and use of appropriate techniques and equipment with minimum supervision.

Welding Advanced Level (11-12) YEAR #67249400
Location: Highland
Prerequisite: Weld. Intermediate
Graduation Credit: 1.0 CTE

Students will learn more advanced skills in, GMAW, SMAW, FCAW, GTAW, CAC-A, oxy-fuel cutting and robotic plasma cutting processes that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Students will learn and practice knowledge, attitude, skills and habits required to perform tasks, including the selection and use of appropriate techniques and equipment with minimum supervision.

3. COMMUNICATION

Television Broadcasting I (9-12) SEMESTER #67272200
Location Highland High
Graduation Credit: .5 CTE

Experience a wide range of creativity utilizing skills in Technical areas of camera operation, audio recording, lighting systems, production, studio operations, control room operations, visual effects, graphic design, and copyright laws. Lab fee required.

Television Broadcasting II - HTVS (10-12) YEAR #67272400
Location: Highland High
Prerequisite: Television Broadcasting I & Teacher Approval
Graduation Credit: 1.0 CTE
4 hrs College Credit available #67274200- see teacher

Express your creativity as you develop and produce live television news shows. Building on skills gained from Television Broadcasting I, you will be involved in a workplace-like environment as you bring the news to the school through Highland TV. Additional instruction in news production coupled with classroom experience makes this the gateway class to the industry. Lab fee required.

Video/Film Production I (9-12) SEMESTER #67270300
Prereq:TV Broadcasting I
Location: Highland High
Graduation Credit: .5 CTE or Fine Arts

Take this class and learn all aspects of project development, pre-production, production, and post-production with hands-on assignments including the use of cameras and professional editing software to create your very own video projects. Lab fee required

Video/Film Production II (10-12) YEAR #67270700
Prerequisite: Television Production I
Location: Highland High
Graduation Credit: 1.0 CTE

Further express your creativity as you build upon skills gained from Video/Film Production I. Delve more deeply into the areas of camera operation, audio, lighting systems, project development, pre-production, production, post-production, visual effects, graphics, and copyright laws. Students will be studying the work of accomplished filmmakers as well as producing several original projects. Lab fee required.

4. PERSONAL SERVICES

Barbering I (11-12)-DBL PER SEMESTER #67140000
Location: CTC
Graduation Credit: 1.0 CTE

Barbering is a key component in the Cosmetology pathway. There are many jobs currently available in this field. Students will learn basic cuts, styling, shaving as well as small business practices. This course will give a student as many as 200 hours of classroom work towards a Barbering License. The balance of the hours can be completed in a lab situation at The Barber School.

Barbering II (11-12) DBL PER SEMESTER #67142000
Prerequisite: Barbering I
Location: CTC
Graduation Credit: 1.0 CTE

Advanced techniques of the Barbering skill set will be covered in this course. Client haircuts will be emphasized as students approach a professional level of Barbering.

Nail Tech SM (10-12) DBL PER SEMESTER #67180200
Location: CTC
Graduation Credit: 1.0 CTE

An introductory look at the art, science, hygiene and personal service required in the manicure and pedicure business. Students learn to design and apply white tips, extensions and acrylics. Also covered is information on starting and running a personal small business. This course satisfies 100 hours of the 300 hours required for a state license in Nail Technology.

Nail Tech SMB (11-12) DBL PER SEMESTER #67178260
Location: CTC
Graduation Credit: 1.0 CTE

An extensive look at the art, science, hygiene and personal service required in the manicure and pedicure business. Students learn to design and apply white tips, extensions and acrylics. Also covered is information on starting and running a personal small business. This course, along with Nail Tech A satisfies another 100 hours of the 300 hours required for a state license in Nail Technology.

5. PROTECTIVE SERVICES

Fire Science A (9-12) SEMESTER #67944800
Location: CTC
Graduation Credit: .5 CTE

This is an introductory, exploratory course that prepares individuals to perform the duties of a firefighter. Instruction includes training in safety, firefighting, equipment operation, maintenance, and the principles of fire science. Seniors who want to certify should sign up for the double period Fire Science I-Certification course 2nd semester.

Fire Science I-Certification (double block) SEMESTER #67945020
Location: CTC (Grade 12 only)
Must turn 18 within 90 days of completing course
Pre-requisite: Fire Science A or permission from Instructor
Graduation Credit: .1.0 CTE
Fire Science Certification Training

This is a program with a sequence of courses that prepares individuals to perform the duties of a firefighter. Instruction includes training in safety, firefighting, equipment operation, maintenance, and the principles of fire science. State test fee.

Intro to Forensic Science (10 - 12) SEMESTER #67914000
Prereq: Law Enforcement or Concurrent Law Enforcement
Location: CTC
Graduation Credit: .5 CTE,

This one semester course covers the importance of locating, collection, and preservation of physical evidence at crime scenes. Included are crime laboratory techniques and services in examination of evidence.

Law Enforcement (9-12) SEMESTER #63232000
Location:CTC
Graduation Credit: .5 CTE

This course prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection and management, court procedures, and the law in general. Basic crime prevention methods, weapon and equipment operation, equipment maintenance, and other routine law enforcement responsibilities are also included.

Law Enforcement Concurrent (11-12) SEMESTER #63624000
Location: CTC
Graduation Credit: .1 CTE, 3 hours college credit

This concurrent course offers both high school and college credit. Students will learn to identify the police role in society, the causes of crime, the laws of arrest and search and seizure, correct procedures for handling evidence, and career opportunities in the law enforcement fields. This course follows the SLCC curriculum. A one-time \$40 application fee will apply for students taking this course for SLCC for college credit.

6. VISUAL ARTS - Commercial Photography

Basic Digital Photography (level 1)(9-12)
Graduation Credit: 0.50 SEMESTER #66223700
CTE or Fine Arts

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of digital photography. Instruction includes training in specialized camera and equipment operation, software usage, maintenance, applications to commercial and industrial needs, and photography business operations. Lab fee is required.

Basic Digital Photography (level 1)(9-12)
Graduation Credit: 0.50 CTE SEMESTER #66223720
Location: CTC

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of digital photography. Instruction includes training in specialized camera and equipment operation, software usage, maintenance, applications to commercial and industrial needs, and photography business operations.

Advanced Commercial Photo (10-12)
(level 2 Digital Photo) SEMESTER #66224500
Graduation Credit: 0.50
CTE or Fine Arts

Digital photography is designed to develop in students a lifelong love of photography through learning the technical expertise to enable them to produce art-quality work. Students will learn about cameras, printers, and Adobe Photoshop editing and presentation software. They will be given opportunities to present their photographs in gallery settings and on the web. Career opportunities in photography will also be explored. Lab fee required.

Advanced Commercial Photo (11 -12) YEAR #662246000
(level 3 Digital Photo)
Prerequisite:Basic Digital Photography
Graduation Credit: 1.0 CTE or Fine Arts

Advanced photography is designed to offer students a rigorous environment in which to learn skills leading to post-graduate education or careers. Students are required to make gallery-quality prints for exhibition, enter competitions and other photographic exhibitions and prepare photographic materials for use on the Internet. Training includes, but is not limited to, art history, photographic history, use of professional equipment, studio experience and field practice. Students may be offered opportunities to participate in commercial assignments. Successful students will finish the year with a portfolio of prints that can be shown to college and university admissions departments or prospective employers.

Lab fee required

Visual Design & Commercial Art

Design & Visual Comm Art I (9 -12) YEAR #67421000
Location: Highland High
Graduation Credit: 1.0 CTE or Fine Arts.

Create unique artwork using the principles and elements of design. Learn traditional, digital and cutting-edge art techniques. Discover various careers from professional artists. Students will explore painting, drawing, airbrush illustration, cartooning, Photoshop, and other computer software. Develop a personal portfolio for immediate employment or higher education. A lab fee required.

Vis. Comm: Commercial & Advertising -Art II (10 -12)
Location: Highland High YEAR #67423000
Prerequisite: Design/Visual Comm, Teacher Approval
Graduation Credit: 1.0 CTE or Fine Arts

Create unique artwork using the principles and elements of design. Learn traditional, digital and cutting-edge art techniques. Discover various careers from professional artists. Students will explore painting, drawing, airbrush illustration, cartooning, Photoshop, and other computer software. Develop a personal portfolio for immediate employment or higher education. A lab fee required.

Visual Comm: Indust Design-Art III (11 -12)YEAR #67422000
Location Highland
Prerequisite: Design /Visual Comm. Approval: Teacher
Graduation Credit: 1.0 CTE or Fine Arts

Create art using artistic techniques reflecting professional standards. Communicate your personal vision and develop exciting projects that prepare you for the world of Industrial Design. Explore the various careers in coordination with working professionals. Complete a series of designs and products that demonstrate your mastery of techniques, strategies and concepts. Assemble a portfolio for immediate employment or higher education opportunities. A lab fee required.

Internships & Work Release

WORK-BASED LEARNING EDUCATION

CTE Internship (11-12) SEMESTER #67342000
Location: Highland and internship site
Graduation Credit: .5-1.0 Elective

This course is an excellent alternative to Home Release and is available for eligible juniors and seniors. Each semester you will spend approximately 54 hours off-campus at an internship site, and approximately 24 hours in-class working on the job application process, goal setting, teamwork, positive habits, etc. In the internship you will work with professionals in an industry to get a good idea of the career and the requirements to enter that career. You should have a specific interest in a career path and be involved in classes that support the internship. This course gives you a competitive edge when you graduate from high school. The experience gained in this class can be added to job, college, and scholarship applications. The class will also give you a better idea of what careers you want to pursue after graduation. Talk to your counselor about registering for Career Internship (Critical Workplace Skills) today.

Work Credit/Release (11-12) SEMESTER #67331200
Prerequisite: must have a job, CTE Coordinator Approval
Graduation Credit: up to 2 cred max. Elective
Location: at your job site

This program offers on the job experience related to a career goal and course of study. It is designed to bridge the gap between school and work. Students must have a career goal identified and a CTE Skill class related to their WBL experience in order to participate. Must fill out application papers with CTE Coordinator.

TEACHER EDUCATION

Orientation to Education (11-12) SEMESTER #67348000
Concurrent Enrollment
Location: CTC
Graduation Credit: 1.0 Elective + college credit

Teaching Academy (11-12) SEMESTER #67342700
Prerequisite: Orientation to Education Location: CTC
Graduation Credit: 5.0 Elective

Have you thought about becoming a teacher? This course will cover teaching as a career; challenges and rewards; history; philosophies; social issues; legal issues; job availability; and governance. This course is a preparation for acceptance into a teacher education program. Students should sign up for Orientation to Education first semester and Teaching Academy second semester, for an education internship where students are placed in schools and can practice the skills they learned.

Required Courses for Graduation

COURSES REQUIRED FOR GRADUATION

The following three courses are required by the State of Utah for graduation. Optional combined classes are included below:

1. Computer Technology (9 -12) SEMESTER #65209000
Prerequisite: Word Proc 25 wpm Location: Highland High
Graduation Credit: .5 Computer Tech Grad Requirement
No CTE credit given

This graduation required course provides students with competency in computer basics, the Internet and WWW, productivity programs, security and privacy, digital lifestyles, file management, email and ethics skills needed for high school, post-secondary education, and career success. Computer Technology aligns with industry standards for Microsoft Word and Excel. Students will demonstrate software skills by creating a cross-curricular project. Lab fee required.

OPTION:

Word Processing Basic w/Computer Tech (9-12) YEAR #67303010/65209010
Location: Highland High
Graduation Credit: .5 Elective, .5 Computer Tech

This year-long class provides a foundation in keyboarding and computer usage during Semester 1 and flows directly into Computer Technology in Semester 2. See full descriptions above. A lab fee required.

2. Financial Literacy (11 -12) SEMESTER #65612000
Graduation Credit: .5, Financial Lit Graduation Requirement

The course provides students with understanding of basic financial concept skills to use to conduct their personal finances. Students develop individual plans – budgeting, short-term and long-term financial planning, and career preparation

OPTION:

Adult Roles & Financial Literacy(11 -12) YEAR #67238200
Location: Highland High
Graduation Credit: .5 CTE &.5 Financial Literacy

This course prepares students for life after high school. It helps students understand and cope with personal, family, and social challenges integrated with financial literacy. Emphasis is placed on decision making, students learn to set and implement financial goals, develop communication skills and self-awareness, and understand sources of family income and the relationship between income and career preparation, crisis management, marriage preparation, savings, investing, parenting, and retirement planning. FCCLA student leadership organization may be an integral part of the course. Students who complete the course fulfill the general financial literacy graduation requirement.

3. Health Health (10 -12) SEMESTER #68901000
Graduation Credit: Health Graduation Requirement .5

This course assists students in the continual development of skills needed to improve the quality of life. The course emphasizes the physical, social, and mental dimensions of people so that the students become better consumers of health information. It offers students an opportunity to evaluate health practices, products and services.

OPTION:

Medical Anatomy & Physiology (10 -12) YEAR #67939000
Graduation Credit: .5/1.0 CTE, .5 Health, or 3rd year Science credit

A full year competency based course that explores medical and health related occupations as well as the study of human structure and function. Course includes field trips, hands-on activities, and guest demonstrations. Areas of study include medical terminology, human biology, disease processes, and career exploration. Recommended for anyone going into medical or associated fields. Students who complete the entire course fulfill the Health Graduation Requirement. Lab fee required.

IB Program Courses

The following courses are for students who have been accepted into the IB program at Highland. Please see your counselor for more information.

IBMath Studies SL(11-12) YEAR #61590000

Graduation Credit: 1.0, IB Math
-This course is available at SL only. It caters to students with varied backgrounds and abilities. More specifically, it is designed to build confidence and encourage an appreciation for mathematics.

IB English HL (11-12) YEAR #60593000

Graduation Credit: 1.0, IB Lang Arts 11/12
-IB English is designed for students who are interested in pursuing a rigorous and rewarding study of world and contemporary literature, oral communication, and analytical writing. Students will study several authors in depth and will read literary works from a variety of cultures, countries, genres, and time periods. The emphasis is on world authors read in a historical context, and the writing component.

IB Biology HL (11-12) YEAR #62514400

Graduation Credit: 1.0, IB Science
-This is a higher level course which provides in-depth coverage of the biological concepts taught in first year university biology courses, preparing students for the IB exam.

IB Chemistry SL (11-12) YEAR #62522000

Graduation Credit: 1.0, IB Science 1.0
-This course provides an in-depth, mathematics-intensive coverage of the chemistry concepts that are taught in first year university chemistry courses. It prepares students for the national IB chemistry exam. The University of Utah laboratory course is strongly recommended.

IB History of the Americas HL (11-12) YEAR #63063800

Graduation Credit: 1.0, IB US Hist
This course will seek to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding. This course focuses on History of the Americas (11th Grade) and 20th Century World History Topics (12th grade).

IB Theory of Knowledge (11-12) SEMESTER #63900000

Graduation Credit: 0.5 IB Diploma
-Theory of Knowledge (TOK) is central to the IB curriculum. Concepts developed in TOK are meant to aide students in their education, both in school and beyond. Students are challenged to reflect critically on diverse ways of knowing, and to consider the role that knowledge and knowledge acquisition play in their various classes, as well as in a global society. Questions are the essence of TOK, both ageless questions on which thinkers have been reflecting for centuries, as well as questions derived from modern challenges and ideals. Students will begin the course the second semester (beginning of third quarter) junior year and finish at the end of first semester (end of second quarter) of senior year.

IB French SL (11-12) YEAR #64217200

Graduation Credit: 1.0, Elective
-This is an advanced and highly demanding course. Emphasis is placed on the students' degree of proficiency in comprehension, fluency, grammatical structure, syntactical and production patterns, as well as oral and written discourse.

IB Spanish SL (11-12) YEAR #64513200

Graduation Credit: 1.0, Elective
-This is an advanced and highly demanding course. Emphasis is placed on the students' degree of proficiency in comprehension, fluency, grammatical structure, syntactical and production patterns, as well as oral and written discourse.

IB Music Theory SL/HL (11-12) YEAR #66547000/66547200

Graduation Credit: 1.0, IB Fine Arts
-This IB Music class is for advanced instrumental and vocal music students. This class will prepare students to take the International Baccalaureate exam. The class will focus on the following areas: 1. Study of two prescribed works; 2. Investigating musical links; 3. Performance; and 4. Theory and composition.

IB Visual Art SL/HL (11-12) YEAR #665388000

Graduation Credit: IB Fine Arts 1.0
-This is a professional and college level prep class. Students will work on exploration, skill development, and a high level completion of the Research Workbook. The emphasis is on the individual workbook and final exhibition. This class will take a lot of time, passion and energy. Lab fees required



-Peer Tutor SMH (9 -12) YEAR #69264000

Elective Graduation Credit 1.0
This course allows students to gain teaching experience in working with students that have disabilities. Peer tutors provide individualized instruction in self contained classroom as well as general education classes.

-Released Time (9 -12) YEAR #69901000

No Graduation Credit
Prerequisite: Parent permission
Upon the written request of the parent, students are released from school for up to one period per day to receive religious instruction off campus.

-Teacher Aide (10 -12) #69190000

-Office Aide (10 -12) YEAR #69201000
Prerequisite: Approval: Office
Students assist the office staff by performing routine office procedures such as distributing mail, answering phones, assisting with the attendance procedure, etc. A student will be assigned to only one period per day as the following: Counselor Aide, Graphic Aide, Library Aide, Office Aide, Teacher Aide, etc.

-Attendance Office Aide (10-12) YEAR #69202000

Students assist the Attendance staff by performing routine office procedures such as answering phones, assisting with the attendance procedure, etc. A student will be assigned to only one period per day.

-Registrar Office Aide (10-12) YEAR #692020001

Students assist the Registrar by performing routine office procedures such as filing, running slips, and assisting the registrar with other needs, etc. A student will be assigned to only one period per day.

-Library Aide (10 -12) YEAR #69204000

Approval: Librarian
Learn library research and finding skills in order to be of help to other students. Help with book circulation, materials retrieval, clerical tasks, and routine housekeeping chores. A student will be assigned to only one period per day

-Counselor Aide (10 -12) YEAR #69205000

Students assist the Counseling staff by performing routine office procedures such as distributing pink slips, answering phones. A student will be assigned to only one period per day

Graphics Aide (10 -12) YEAR #69206000

-Approval: Teacher
Designed for students who wish to spend one period each day assisting with work in the media center. A student will be allowed to enroll in one and only one period per day.

-Drivers Education (9-10) SEMESTER #69238000

(First Semester 15 years old before February 1, 2012)

Drivers Education (9-10) SEMESTER #69240000

-(Second Semester 15 years old before July 1, 2012)

At the conclusion of this class students will be prepared to meet State requirements for their drivers license.

-Stage Crew (10 -12) YEAR #67941000

Approval: Teacher
Graduation Credit: Elective Credit
This course is designed to provide students the opportunity to work with staging, lighting and sound in the auditorium. Students must be willing to meet rehearsal schedules before and after school. It is recommended that students registering for Stage Crew have a basic knowledge of electricity and sound.

AVID (9-10) YEAR #69230000

(11-12) YEAR #69230010

Prerequisite: Avid teacher signature

At the secondary grade levels (9th-12th grades), AVID is an approved elective course taken during the school day. Students are usually selected to enroll in an AVID class after an application process. For one class period, they learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college seem attainable. Students enrolled in AVID are typically required to enroll in at least one of their school's toughest classes, such as honors or advanced placement, in addition to the AVID elective. As students progress in AVID, their self-images improve, and they become academically successful leaders and role models for other students.

--Pep Club (11) YEAR #68264000

Prerequisite: Auditions
Service club organized to build school spirit and support school teams. In class and out of class time are spent learning marches and planning activities. Pep club does not fulfill the Participation Skills and Fitness or the Lifetime Activities graduation requirement.

-Cheerleading II (10 -12) YEAR #68262000

Prerequisite: Auditions
Graduation Credit: .5 Satisfies PE-Lifetime Activities
Approval: Teacher
Students in this course will develop muscular strength and endurance, dance and tumbling skills, and proper spotting techniques necessary to perform cheerleading routines. Emphasis will be placed on developing individual leadership skills. This course is open only to 10th through 12th grade students who are members of the cheerleading squad.

Yearbook/Desktop Publishing I & II (11-12) YEAR #65218000/#65218200

Location: Highland High
Prerequisite: Spring tryout, Teacher Approval
Graduation Credit: 1.0 CTE
This full-year course provides skill development in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. Proofreading, document composition, and communication competencies are also included. The end product is the publication of the Highlander, the Highland High School Yearbook. Students will be expected to attend, photograph, and document various activities during the school year

The Following courses are available to Highland students, and are offered through the School for the Performing Arts.

Elements and Survey of Music (9-12) YEAR #66230000/662300005

Graduation Credit: 1.0, Fine Arts Credit
-Students will study the principals of melody, harmony, notation, and form to strengthen music skills. Students will learn about different genres and styles. This class prepares the student for further study in theory and musicianship

Classical Guitar (9-12) YEAR #66902000/669020005

Graduation Credit: 1.0, Fine Arts
-Students will learn the basics of reading music in the first position, right and left hand technique, basic chords, strumming techniques, and finger style performance. Note: Guitar rental program available.

Ballet Dance IA/IB (9-12) YEAR #66105000/661060000

Graduation Credit: 1.0 Fine Arts Credit
-Discover kinesthetic awareness as relating to ballet technique and movement principles. Learn a substantial body of vocabulary in classical ballet technique. Increase technical ability through strength, flexibility and balance. Develop an appreciation for dance as an art form.

Jazz Dance IA/IB (9-12) YEAR #661050007/661060007

Graduation Credit: 1.0, Fine Arts or Lifetime Activities
-Jazz- Course covers the basic steps, vocabulary, and variations of jazz dance styles. Students learn basic technique through daily warm-ups. They also gain strength, flexibility, endurance, and coordination. Musicality and performance skills are taught through a series of dance combinations.

Acting I/II--Intro (9-12) YEAR #66111000/66112000

Graduation Credit: 1.0 Fine Arts
-An introduction to the basic methods of creating and developing realistic characters through truthful explorations of the "self" and the "text." A variety of acting methodologies are studied and practiced through interpretive and physical exercises, monologues, and scenes. Attendance at a number of performances is required with analytic response papers on productions attended

History of the Performing Arts--Intro (9-12) YEAR #661110005/661120005

Graduation Credit: Fine Arts
-An overview of the history of music, dance and theatre and where they overlap.T



