

2022-2023

Course Catalog



Career & Technical Education
Cambridge Academy

STUDENT PLANNING GUIDE - Table of Contents

Cambridge Academy	3
Introduction to CTE	4
Career Pathways	5
CTE PROGRAMS/WAVE CTED INFO	6-15
Automotive	6
Business Management.....	7
Fire Science	8
Graphic Arts	8
Nursing Services.....	9
Stage Craft	9
Sports Medicine & Rehabilitation Services.....	10
Law & Public Safety.....	10
Cord Requirements for WAVE/KUSD CTE	11
Student Planning Guide	12
WAVE CTED	13-14
Academic Equivalents	15
CORE CLASSES	16-24
English	16-17
Math.....	18-19
Science	20-22
Social Studies	22-24
OTHER ELECTIVE OFFERINGS	25-31
World Language	25-26
Other Electives.....	27
Fine and Performing Arts	27-29
Physical Education	30
Guidance/Course Fees	31
AICE and Grand Canyon Diploma	32
Annual Public Notification	33
Contact Information	34
Honors Diploma	35

Lee Williams High School

Cambridge Academy



Cambridge Assessment International Education

Cambridge International School

Cambridge education strives to develop learners who are:

- **Confident** in working with information and ideas - their own and those of others.
- **Responsible** for themselves, responsive to and respectful of others.
- **Reflective** as learners, developing their ability to learn
- **Innovative** and equipped for new and future challenges.
- **Engaged** intellectually and socially, ready to make a difference.

Lee Williams High School is excited to offer the Cambridge Academy. In the new, constantly changing, global economy students will need the knowledge and skills that are necessary to navigate the complexities of college and career in today's global society. These include: an appreciation for cultural differences, an ability to understand multiple perspectives, comfort with change, and the capacity for highly critical and analytical thinking. KUSD Cambridge classrooms support students in their journey of achieving the skills necessary to be competitive in the global workforce. Innovative approaches to teaching and learning are hallmarks of the Cambridge Academies at KUSD. For more information on Cambridge visit: kUSD.org/programs/cambridge/ or cambridgeinternational.org

Send all inquiries to cambridge@kUSD.org

WHY CAREER AND TECHNICAL EDUCATION?

A Career & Technical Education program can:

Expand Student Options

- Show how reading, math, and science are used in careers by relating academic subjects to the real world.
- Start college studies while in high school through dual enrollment with a community college .
- Add a new dimension to learning with “hands-on,” in addition to “eyes-on” activities—a more effective way of learning.

Enhance Success in School

- Career and Technical programs teach the Arizona Academic Standards needed to be successful on the state graduation exam while enhancing students’ enjoyment of school.
- Academic Standards may come easier when taught in a Career and Technical program.

Provide College Prep and Career Prep

- Career and Technical education blends rigorous academic content with technical skills in a hands-on setting so students find greater meaning and greater success in their studies.
- Career and Technical programs meet the entrance requirements of four-year colleges and universities while including the skills employers are looking for.

Challenge Students to Think

- Career and Technical students are challenged to apply theoretical knowledge—learned in academic and technical classrooms—to practical problems in laboratories or at worksites.
- This is a basic lifetime skill.

Test Career Interests Before College

- Career and Technical Education provides a career focus as insurance for success in post secondary education . Before students invest in college, they can test their interest in areas such as health care, culinary arts, information technology, technical drawing, hospitality, teaching, child care, agriculture, or business—just to mention a few.

Help Pay for College

- Technical skills that focus on a specific career area help students get better, higher-paying jobs to meet the cost of college education.

Broaden Lifelong Work and Education Options

- Career and Technical programs prepare students for well-paying satisfying careers even in non-traditional fields.

Acquire Life Skills That Apply to Any Career

- Personal skills—such as self-confidence, self-awareness, good work habits, practical problem solving, punctuality, reliability, and teamwork—are essential in any career.
- Career and Technical programs instill the desire to learn because every student feels a sense of accomplishment.

Arizona secondary vocational programs were developed by the Arizona Department of Education (ADE), Career and Technical Education (CTE) for secondary schools. Lee Williams High School offers the following Career and Technical Education Programs through WAVE CTED and our on site CTE class offerings:

- | | |
|---|---|
| • Automotive Services | • Health Information Technician |
| • Business Management and Administrative Services | • Nursing Services |
| • Certified Production Technician (CPT) | • Law and Public Safety |
| • CIS (Computer Information Systems) | • Sports Medicine and Rehabilitation Services |
| • Graphic/Web Design | • Stagecraft |
| • Fire Science | • Visual Communications (Design) |

CAREER PATHWAYS

WHAT ARE CAREER PATHWAYS?

Career paths are clusters of occupations that are combined together because many of the people in them share similar interests, abilities, and talents.

Selecting a career path provides you with an area of
FOCUS

along with **FLEXIBILITY**

and a **VARIETY** of careers to pursue.

**Although people change jobs many times,
they seldom change from one pathway to another.**

EXPLORE THE SIX CAREER PATHWAYS

ARTS / COMMUNICATIONS / HUMANITIES

Occupations in this career pathway are related to the creative, visual, craft and performing arts. These include architecture, graphic, interior and fashion design, writing, film, fine arts, journalism, languages, media, advertising, public relations, and music.

ENGINEERING / INDUSTRIAL SYSTEMS

Occupations in this career pathway are related to the technology necessary to design, develop, install and maintain electrical, mechanical and structural systems. These include engineering, manufacturing, construction, and related technologies.

SOCIAL / HUMAN SERVICES

Occupations in this career pathway are related to hospitality, personal and customer services, social services, legal services, and protective services. These include education, government, law and law enforcement, leisure and recreation, military, religion, childcare, social services and personal (beauty) services.

BUSINESS SYSTEMS

Occupations in this career pathway are related to business occupations, administration, management, marketing and sales. These include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.

HEALTH SERVICES

Occupations in this career pathway are related to the diagnosis and treatment of diseases, disorders and injuries, laboratory technology and therapy. These include medical practice, research, laboratory technology, physical, occupational and speech therapies, disease prevention, alternative medicine, and veterinary science.

NATURAL RESOURCES

Occupations in this career pathway are related to the natural sciences, agriculture and the environment. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

AUTOMOTIVE SERVICES

Reinforced Academics: English, Math & Science

Student Organizations:: Skills USA

Certification Opportunity: ASE Student certifications



<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credit</u>
ASE 0100	Automotive I	10-12	1 Credit *Block class

Introduction to the basic industry skills necessary for certified professionals in the automotive industry. The course includes developing career plans and preparing for employment. It also includes an introduction to: shop safety, common hand tools, basic shop equipment, measuring systems and tools, academic skills needed in the field, and automotive industry terminology.

ASE 0202	Automotive Technologies II	10-12	1 Credit *Block class
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This course prepares the individual to apply technical knowledge and skills in safety, adjustment, maintenance, and parts replacement to repair automobiles and light trucks. Students are introduced to: a) brake systems; b) electric/electronic systems; c) steering and suspension systems; and d) engine performance diagnosis and repair. Prerequisite: Automotive I and Instructor Approval.

ASE 0300	Automotive Technologies III	10-12	1 Credit *Block class
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This course prepares the individual to apply higher levels of technical knowledge and skills to maintain, diagnose and repair automobiles and light trucks. Students will gain in-depth knowledge needed to troubleshoot and identify malfunctioning components and sensors; and correct these problems in four areas: brake systems, electrical/electronic systems, steering and suspension systems and engine performance analysis. Students will be guided by the ASE curriculum and student certification tests will be offered to prepare for employment or further training in the field. Prerequisite: Automotive Technologies II and Instructor Approval.

Continuing education credits and certifications available through WAVE CTED programs, see pages 12 & 13.



BUSINESS MANAGEMENT

Reinforced Academics: English, Math and History

Student Organizations: Future Business Leaders of America (FBLA)

Certification Opportunity: MOS, OSHA



<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credit</u>
MKT 0100	Business	9-12	1/2 Credit/Semester

Introduces students to the role of business in the lives of individuals, consumers, workers, and citizens. Career planning, small-business operations, management, marketing, business fundamentals/economics, ethics, finance, and decision-making.

MKT 0230	Business Management & Leadership	9-12	1/2 credit/Semester
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Explore the exciting challenges of management! Students will be introduced to the skills necessary to be an effective manager and leader. Students will explore fundamental business concepts and career opportunities. Virtual business on the computer, field trips, guest speakers, projects, and internet research are all part of this exciting class! Mkt 0100 and this class meet prerequisite for taking Mkt 0241/Bus0261.

MKT 0241/BUS 0261	Marketing/Accounting	10-12	1/2 credit/Semester
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Learn about customer buying habits and the sales world. Determine how to purchase, display, promote and finance products. Students will also complete an accounting cycle, analyze financial statements, and make educated business decisions by learning basic accounting principles and practices. Each class is a semester long. These courses can count as two of the four BMAS classes needed to waive the 4th year math credit.

BUS 0120	Microsoft Office A	9-12	1/2 credit/Semester
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Improve your future in academics and work! Understand and use the latest Microsoft Office Suite to solve problems in real world situations.

BUS 0130	Web Design	9-12	1/2 Credit/Semester
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Discover how your favorite websites are made. Learn HTML and basic CSS to create basic web pages and learn a basic understanding of design.

BUS 0330	Advanced Web Design	9-12	1/2 Credit/Semester
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Learn to create advanced web pages using Adobe Dreamweaver. Combine your previous knowledge of HTML with CSS and Javascript to create advanced designs and layouts Prerequisite: BUS 0130 and Teacher Approval

BUS 342	Business Law	9-12	1/2 Credit/Semester
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The worlds of law and business collide in Business Law. Foundations of law, the court system, trial procedures, criminal law, tort law, contract law, consumer law and more will be investigated. Business topics covered include human resources, marketing, IT, regulatory agencies and laws managers must know and much more.

FIRE SCIENCE

Reinforced Academics: Math, Science, and History

Student Organizations: SkillsUSA

Scholarship Opportunities: Available

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credit</u>
FSC0201/0202	Fire Service A/B	9-12	1/2 Credit/Semester

This course introduces students to careers in Fire Service and prepares them to apply academic, employability and technical knowledge and skills related to common industry standards and practices of the Fire Service. The program utilizes current principles and practices, identified and established by national and state consortiums, to provide technical knowledge and skills that are associated with careers in the fire service. An integrated approach to teaching and learning utilizes classroom instruction of knowledge and practical application of skills. Students will also be introduced to the theme of "Being an 11" and how it relates to LWHS and service to the community.

FSC0301/0302	Fire Service Advanced Applications	10-12	1/2 Credit/Semester
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This course is a continuation of FSC0201/0202 and prepares students to apply advanced academic and technical knowledge and skills in a variety of settings within Fire Service. Students completing the program will be prepared to participate in teams, solve problems, think critically and implement effective solutions and they gain knowledge and skills associated with the fire service. Prerequisite: FSC 0201/0202.

GRAPHIC ARTS

Reinforced Academics: English, Math & Science

Student Organizations:: FBLA

Certification Opportunity: Adobe Photo; Illustrator

Scholarship Opportunities: Available

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
INF 0151/0152	Art and Design A/B	9-12	1/2 Credit/Semester

Students start with this introductory course that will combine several elements of traditional and commercial art along with photography. This visual arts course will serve as the foundation to pathways in graphic arts, traditional art and photography. Recognized industry software is utilized throughout the course. Owning your own digital camera is recommended. This is the first step to becoming a program completer. ***Lab fee: \$15.00/semester**

INF 0121/0122	Graphic Art Design A/B	10-12	1/2 Credit/Semester
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Students will explore and understand the various digital media and technologies including technology's historical evolution, current applications, and future possibilities. They will develop design concepts and projects for commercial and business environments as well as explore career possibilities. Prerequisite: INF 0151/0152

***Lab fee: \$10/ semester**

INF 0123/0124	Advanced Graphic Arts A/B	10-12	1/2 Credit/Semester
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Third year students will build on and refine their understanding of various digital media and technologies including technology's historical evolution, current applications, and future possibilities. Students will develop design concepts and projects, which directly apply to commercial and business environments, such as, corporate identity packages, and sales and marketing materials. Design students will act as a business partners with the school clubs and organizations. Prerequisite: INF 0121/0122 ***Lab fee: \$10/semester**

NURSING SERVICES

Reinforced Academics: English, Math & Science
 Student Organizations: HOSA—Future Health Professionals
 Certification Opportunity : CNA; EMT
 Scholarship Opportunities: Available



<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
MED 0241/0242	Medical Foundations A/B	9-12	1/2 Credit/Semester
Students will learn basic medical root words, prefixes, and suffixes, which will be highly important in their chosen medical professions. They will also study cytology, integumentary system, skeletal system, muscular system, digestive system, and special senses. During second semester, they will study the nervous system, cardiovascular system, respiratory system, lymphatic system, urinary system, endocrine system, and reproductive system. Prerequisite: SCI 0131 or SCIC161 (May be concurrent). MED 0241 must be taken prior to 0242.			
MED 0340	Occupations	9-12	1/2 Credit/Semester
This semester long course is designed to teach students components of medical occupations. This includes exploration of career planning, job search skills, productivity and accountability, communication skills, leadership and collaboration, technological literacy, problem solving, legal and ethical issues, and wellness philosophies. Students will also do a variety of virtual job shadowing through a computer program that will be used in class.			

STAGECRAFT

Reinforced Academics: English, Math, Science, Computer Technology
 Student Organizations: Arizona Thespians
 Certification Opportunities: OSHA 10 General
 Scholarship Opportunities: Available



<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
DRA0101/0102	Stagecraft I A/B	9-12	1/2 Credit/Semester
Students will receive an introduction to drama as they focus on theatre appreciation through vocabulary, theatre history, and an understanding of backstage elements such as scenic construction, light board operation, sound board operation, costuming and makeup along with safety procedures for each and OSHA certification for construction sites. Students will also be introduced to basic acting styles to help create a well-rounded understanding of theatre arts on stage and backstage. **Fee: \$10/semester.			
DRA0201/0202	Stagecraft II A/B	10-12	1/2 Credit/Semester
This second course is designed to help students further evolve their understanding of acting, and technical production with the inclusion of design and short productions. Stagecraft units include increasingly hands on projects related to various aspects of theatre, and increased time and projects in the scenic shop. Prerequisite: DRA 0101/0102. **Fee: \$10/semester.			
DRA0301/0302	Stagecraft III A/B	11-12	1/2 Credit/Semester
This class is designed for hard working and motivated students. In this class students have the flexibility to dedicate their time and studies to particular areas of interest within theatre. Students will be provided with the guidance and resources to ultimately craft their skills in a targeted area. Prerequisite: DRA 0201/0202. **Fee: \$15/semester.			

SPORTS MEDICINE AND REHABILITATION SERVICES

Reinforced Academics: English, Math & Science

Student Organizations: HOSA—Future Health Professionals

Certification Opportunity : CNA; EMT

Scholarship Opportunities: Available

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
MED 0261/0262	Sports Medicine 1 A/B	9-12	1/2 Credit/Semester

This course is designed for students interested in learning how to prevent, assess, and manage athletic injuries. Students interested in pursuing a career such as athletic trainer, physical therapist, nurse, EMT, fireman, police officer, coach, personal trainer or any other sport or medical related field would benefit from the knowledge and skills learned. Emphasis is placed on human anatomy and physiology and the fundamentals of health related careers. Students will be instructed on theory with practical applications as allowed. Prerequisite: SCI0131 (May be concurrent)

MED 0361/0362	Sports Medicine 2 A/B	10-12	1/2 Credit/Semester
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A continuation of MED0262. This course will focus more on practical applications of the knowledge gained in MED0262 with supplemental lectures. This course requires participation after school and/or on weekends as necessary. Prerequisite: MED0262

MED 0350	Nutrition Sports	9-12	1/2 Credit/Semester
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The objective of this semester long class is to inform students of all the nutritional values that are important for our everyday life eating habits and all the nutritional myths that are presented to us either through advertising or through inaccurate labeling. Students will also have lessons on character education and how this helps promote our nutritional choices.

GUI 0320	Lab Assistant – Job Shadow	10-12	1/2 Credit/Semester
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Live job shadow with local health care professionals in various fields including: PT, AT, Personal Trainer and others as available. Students will apply knowledge gained from MED0261/0262 and MED0361/0362 in hands-on activities when working with AT on campus. When off campus with local professionals, will be asked to perform tasks on an as-needed basis and as is allowable by supervisor. Students will gain workplace knowledge and experience in real world health careers. Students will rotate with local providers each quarter, and will be with providers 2 days per week, and with AT the other two days. Students must apply during Junior year and complete application and interview process. Only 2 students per school year will be accepted. **Prerequisite: MED0261,0262/MED0362,0362**

LAW AND PUBLIC SAFETY

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
	Law and Public Safety 1 A/B	9-12	1/2 Credit/Semester

This first-year course is an overview of the history and organization of local, state and federal law enforcement, including the practice and application of law and terminology of law enforcement. This course explains the elements of crime and criminal law, the goals of corrections, constitutional law, and public security. Leadership principles will be learned through a close association with the SkillsUSA Career and Technical Skills Organization (CTSO).

	Law and Public Safety 2 A/B	9-12	1/2 Credit/Semester
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This course reviews the application of law and functions of law enforcement for preparation of a career in law enforcement. This second-year course covers practical applications of policing such as ethical responsibilities, use of force, and crime scene security. Students will conduct hands-on applications involving necessary equipment for handcuffing, crime scene preservation, vehicle searches and fingerprinting. Students will become completers in the program by passing a state technical assessment and receive a certificate from Arizona Department of Education.

Cord Requirements for all CTE options	
Honor Cord	To earn the silver honor cord, students must have a cumulative GPA of 3.0 or higher for <u>all</u> high school course work. No honor cords are awarded for college JTED programs as it is for high school GPA and JTED cords are for college course work.
AgriScience	To earn an ag program, cord the student must take 3 AgriScience classes. Silver cord is awarded with a 3.0 GPA on all high school course work.
Autos	To obtain a program cord, students must complete the Automotive program and pass the technical assessment.
	Students must complete 4 semesters with a C or better in Automotive classes to earn the blue/white JTED cord.
Administration of Justice	Students must take 6 of the available MCC courses (dual enrollment or concurrent enrollment) and earn a C or better to earn the blue/white JTED cord.
BMAS	Students must complete 6 semester courses from BMAS program list and have earned at least a 2.0 cumulative GPA in the business classes where they are earning the cord.
Cabinetmaking	Students must complete Cabinetmaking 1A/B and Cabinetmaking 2A/B for blue program cord. WAVE JTED cord is given for students that complete blue program cord requirements and Woods 3A/B.
CIS	Students must have taken the 6 courses necessary to complete their Systems Support and Security Certificate from MCC to earn the blue/white JTED cord.
Culinary	Students must have taken 2 years or 2 credits (CUL 1A, 1B, 2) to receive the black program cord. For dues paying members to FCCLA who have completed the program requirements <u>and</u> have achieved 50+ hours of event/volunteer time they will receive a red cord for FCCLA.
ECE	Student receives certificate for completing ECE 1 A/B and ECE 2 A/B with C's or better Student receives a graduation cord for completing ECE 1 A/B, 2 A/B, and 3 A/B with C's or better.
EMT	Student must complete the EMT class at MCC and pass the skills test in order to receive a blue/white JTED cord.
Fire Science	Students must take 6 of the available MCC courses (concurrent enrollment) and earn a C or better to earn the blue/white JTED cord.
Graphic Design	Students must complete 6 semesters in Graphic Design and have at least a cumulative GPA of 2.5 across all 6 semesters of the program to receive a program cord. Students with a 3.0 overall GPA will receive a silver cord.
Nursing	Students receives JTED cord if they have taken and passed with a C or better Medical Terminology A/B and MCC Certified Nursing Assistant course (6 credits)
	or Student received JTED cord if they have taken and passed with a C or better the Certified Nursing Assistant (MCC 6 credit course) and passed the Arizona Board of Nursing Exam (written/skills)
Photo	Student must complete 6 classes in the Photo program to receive cord.
Sports Med	Students must take Athletic Training A/B and Advanced Athletic Training A/B and have a cumulative GPA of 2.0 in all 4 semesters of the program.
Tech Theatre	Students must complete the 6 Drama courses (Drama 1 A/B, Drama Productions A/B and Advanced Drama Productions A/B) with a C or better to earn a program cord.
Vis Comm	Students must complete 5 - 3-hour classes in the program at MCC to receive a blue/white JTED cord.
Welding	Students must have taken all SMAW Certificate courses with a C or better to earn the blue/white JTED cord.

STUDENT PLANNING GUIDE - CTE Program Sequence

Nursing Services	Certifications
Med Term	CPR
CNA	CNA
Athletic Training	
A & P	
Occupations	College Classes –See pages12-13
Work Release	

Sports Medicine	Certifications
Athletic Training 1	CPR
Advanced AT	EMT
A &P	
Lab Assistant	
Occupations	College Classes –See pages12-13
Work Release	

Graphic Arts	Certifications
Studio Arts	Adobe Photoshop
Advanced Graphic Arts	
Occupations	College Classes –See pages12-13
Work Release	

Stage Craft	Certifications
Stage Craft I	
Stage Craft II	OSHA 10
Stage Craft III	
Occupations	College Classes –See pages12-13

Fire Science	Certifications
Fire Sci I	Wildland Firefighter
Advanced Fire Sci	CPR
	EMT
Occupations	College Classes –See pages12-13
Work Release	

Automotive	Certifications
Beginning Auto Tech	
Auto Tech I	
Auto Tech II	Student ASE
Occupations	College Classes –See pages12-13
Work Release	

Business Management	Certifications
Bus Mgt/Leadership	MOS
Marketing	Retail Mgt
Microsoft I	MOS
Microsoft II	MOS
Webpage Design	
Advanced Webpage Design	
Occupations	College Classes – See Pages 12 -13

CTE...Where Skills & Passion Collide

JUMP START YOUR CAREER TODAY!

What is WAVE?

Western Arizona Vocational Education, a career and technical education (CTE) district, that provides career preparation programs to high school students to help them be ready for life after high school, whether it be work or other post-secondary options.

Western Arizona Vocational Education
Ride the WAVE to your career choice!

WAVE offers:

- ⇒ partnerships with local high school CTE programs.
- ⇒ payment of tuition and fees for high school students to attend CTE programs at local community colleges.
- ⇒ specialized training at our own Culinary & Hospitality campus.

Prepare For Your Future Today!

**CONTACT YOUR GUIDANCE OFFICE OR CAREER
CENTER AT YOUR SCHOOL FOR MORE INFORMATION!**



Central Program Application Forms are available in the Guidance Office or Career Center for the following programs:

Nursing

Welding

Business & Entrepreneurship

Computer Information Systems (CIS)

Criminal Justice

Fire Science

Visual Communication (Design)

Certified Production Technician (Manufacturing)

Health Information Technology (HIT)

Emergency Medical Technician (EMT)

Retail Management

Early Childhood Professions (Education)

Phlebotomy

Medical Assisting

Medical Coding & Billing

www.wavejted.org

ACADEMIC EQUIVALENTS

KUSD #20 students can meet graduation requirements by taking Career and Technical Education courses. These credits can count as the vocational graduation requirement or the other credits listed below. By taking career preparation classes that meet graduation requirements, you will open up your schedule for more elective courses. Courses may be offered at one or both campuses.

<i>CTE Course</i>	<i>Meets graduation requirement of:</i>
Medical Foundations A/B	Health 1/2 Credit/Semester
Graphic Arts	Fine Art 1/2 Credit/Semester
Sports Medicine 1 A/B & Sports Medicine 2 A/B	Science 1/2 Credit/Semester
Completing any 4 Business Management classes	Math 1/2 Credit/Semester

ENGLISH

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
ENG 0101/0102	English 1	9	1/2 Credit/Semester
<p>The course meets the Arizona State Standards for freshmen English, focusing on grammar and the writing of persuasive and expository essays. Students will practice critical thinking skills while exploring a variety of short stories, non-fiction texts, poetry, and district-approved novels through which they acquire knowledge. (Cambridge IGCSE First Language English 0524 substitutes for this requirement).</p>			
ENGC 161/C162	Cambridge IGCSE First Language English 0524	9	1/2 Credit/Semester
<p>This course prepares students to demonstrate understanding of extended texts; recognize the relationship of ideas; draw inferences, evaluate effectiveness, compare, analyze and synthesize ideas; recognize and respond to linguistic devices, such as figurative language; and demonstrate understanding of how writers achieve effects. In writing, students will demonstrate adequate control of syntax, vocabulary and grammar; express thoughts, feelings and opinions in order to interest, inform or convince an audience; and will be assessed on their ability to make accurate and effective use of paragraphs, grammatical structures, sentences, punctuation and spelling. In speaking and listening, students will understand and convey simple and complex information; consciously order and present facts, ideas and opinions for a particular audience; recognize and discuss statements of opinion and attitude, while discerning underlying assumptions and point of view; and speak audibly and intelligibly with appropriate tone, intonation and pace.. <u>This course is required for Arizona's Grand Canyon High School Diploma.</u> (Check out the Cambridge website for more information: cambridgeinternational.org)</p>			
ENG 0201/0202	English 2	10	1/2 Credit/Semester
<p>As directed through the current Arizona Department of Education's state standards, students review the fundamentals of grammar, write a variety of essays and focus on improving their communicative skills using the standard conventions of written English. Additionally, students become familiar with the common elements of literature while developing a usable, mature vocabulary. In this sophomore level class, students will experience a number of district-approved novels as well as a variety of short stories, non-fiction texts, plays, and poetry selections. (Cambridge IGCSE Literature in English 0427 substitutes for this requirement).</p>			
ENGC 261/C262	Cambridge IGCSE Literature in English 0427	10	1/2 Credit/Semester
<p>This course will prepare students to enjoy the experience of reading literature; understand and respond to literary texts in different forms and from different periods and cultures; communicate an informed personal response appropriately and effectively; appreciate different ways in which writers achieve their effects; experience literature's contribution to aesthetic, imaginative and intellectual growth; and explore the contribution of literature to an understanding of areas of human concern. Students will demonstrate detailed knowledge of the content of literary texts in the three main forms (drama, poetry, and prose); understand the meanings of literary texts and their contexts, and explore texts beyond surface meanings to show deeper awareness of ideas and attitudes; recognize and appreciate ways in which writers use language, structure, and form to create and shape meanings and effects; and communicate a sensitive and informed personal response to literary texts. <u>This course is required for Arizona's Grand Canyon High School Diploma.</u> (Check out the Cambridge website for more information: cambridgeinternational.org)</p>			
ENG 0301/0302	English 3	11	1/2 Credit/Semester
<p>The current Arizona State Standards are reflected in this level 3 curriculum which provides students the opportunity to explore district-approved novels, short stories, non-fiction text, essays, and poetry. Through critical thinking, evaluation, analysis, and synthesis, students will explore the literary merits of each piece of literary text. (Cambridge AS or DC English 101/102 substitutes for this requirement).</p>			

ENGLISH

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
ENGC 361/C362	Cambridge AS English Language 9093	11-12	1/2 Credit/Semester

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. Students will create critical and informed responses to texts in a range of forms, styles, and contexts while developing the interdependent skills of reading, analysis, and research. Students will demonstrate a knowledge and understanding of English language and its use in a variety of contexts. The course also provides a variety of writing opportunities calling for the use of different styles and tones. Students will write clearly, accurately, creatively, and effectively for different purposes/audiences, using different forms. This course is recommended for students seeking the AICE diploma through Cambridge. Check out the Cambridge website for more information: cambridgeinternational.org). **May be dual credit with MCC DC ENG 101/102.**

ENG 0401/0402	English 4	12	1/2 Credit/Semester
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This course includes a curriculum directed by the current Arizona State Standards with a focus on college and career readiness writing, i.e. applications, resumes, essays. Students will also study and analyze British and contemporary literary pieces. This course is designed to explore practical applications of English skills. (Cambridge AS English Language 9093 or DC English 101/102 substitutes for this requirement).

ENGC 371/C372	Cambridge AS Literature in English 9695	12	1/2 Credit/Semester
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The purpose of this course is to provide students with close study of all required texts. Students will learn to demonstrate the ability to respond to literary texts in the three main forms (Prose, Poetry and Drama) of different types and from different cultures. Students will demonstrate an understanding of the ways in which writers' choices of form, structure and language shape meanings. Students will demonstrate the ability to produce informed, independent opinions and judgments on literary texts as well as the ability to communicate clearly the knowledge, understanding and insight appropriate for literary study through writing and other formats. Prerequisite: C or better in AS English Language. This course is recommended for the AICE diploma through Cambridge. (Check out the Cambridge website for more information: cambridgeinternational.org) **May be dual credit with MCC DC ENG 234/236.**

Cambridge AS General Paper	11-12	1/2 Credit/Semester
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In the AS General Paper Course, students will consider topics within local and international contexts that appeal to their education and career interests. Students will have the opportunity to gain knowledge and understanding of issues in three broad topic areas: 1) Economic, historical, moral, political and social; 2) Science, including its history, philosophy, ethics, general principles and applications; environmental issues; technology and mathematics; 3) Literature, language, the arts, crafts, and the media. They should be able to draw upon knowledge and understanding gained from studying other subjects. Through the study of these broad topic areas, students develop effective reading and writing skills in English. They work with information, ideas and opinions. They analyze and evaluate opinions and ideas and learn how to build an argument. These skills are all highly transferable and will help students in other subjects they are studying, and equip them for higher education or employment.

Dual enrollment opportunities may be available in Math, English, Social Studies, Science, Fine Arts and CTE. Please see your Guidance Counselor for a current listing!

MATH

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
MAT 0131 /132	Algebra Foundations	9	1/2Credit/Semester
The emphasis on this course is on the skills necessary to be successful in Algebra. Some of the concepts of Algebra are introduced. Scheduled by placement only			
MAT 0121/0122	Algebra 1	9-12	1/2 Credit/Semester
This course introduces many of the high school concepts of number sense, algebra, functions, patterns, data analysis, and probability.			
MATC 161/C162	Cambridge Math Year 1 - 0444 (IGCSE Algebra I)	9-12	1/2 Credit/Semester
This course prepares students to demonstrate mathematical knowledge as a key life skill, and as a basis for more advanced study. Students will develop a feel for numbers, patterns and relationships, with a strong emphasis on solving problems and presenting and interpreting results. Students also learn how to communicate and reason using mathematical concepts. This course will allow students to develop their mathematical knowledge and oral, written and practical skills; read mathematics, and write and talk about the subject in a variety of ways; apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around them. <u>The course is equivalent to Algebra I credit with supplemental Cambridge material to enrich and expand concepts.</u> Required for The Grand Canyon High School Diploma. (Check out the Cambridge website for more information: cambridgeinternational.org)			
MAT 0231/0232	Geometry	9-12	1/2 Credit/Semester
This course investigates many of the high school concepts of geometry, logic, and reasoning. Prerequisite: MAT0122 or MAT0222.			
MATC 261/C262	Cambridge Math Year 2 - 0444 (IGCSE Geometry)	10-12	1/2 Credit/Semester
This course investigates many of the high school concepts of geometry, logic, and reasoning and continues the theme of Cambridge Year 1. Students also learn how to communicate and reason using mathematical concepts. This course will allow students to develop their mathematical knowledge and oral, written and practical skills; read mathematics, and write and talk about the subject in a variety of ways; apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around them. <u>The course is equivalent to a Geometry credit with supplemental Cambridge material to enrich and expand concepts.</u> Required for The Grand Canyon High School Diploma. (Check out the Cambridge website for more information: cambridgeinternational.org).			
MAT 0221/0222	Algebra 2	10-12	1/2 Credit/Semester
This course continues in the study of number sense, algebra, functions, patterns, data analysis, and probability. Applications of the basic skills of algebra are made to prepare for higher levels of mathematics. Prerequisite: MAT0122.			

Successful completion of any 4 of the Business Management classes can count towards the graduation requirement in Math.

MATH

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
MATC 361/C362	IGCSE Additional Math (Algebra II)	10-12	1/2 Credit/Semester
Cambridge IGCSE Additional Mathematics (US) allows students to: • further develop their use of mathematical concepts and principles • extend their mathematical skills and their use in more advanced techniques • solve problems, present solutions logically, and interpret results • develop a solid foundation for further study. Our programs balance a thorough knowledge and understanding of a subject and help to develop the skills learners need for their next steps in education or employment. The course is <u>equivalent to an Algebra II credit</u> with supplemental Cambridge material to enrich and expand concepts. (Check out the Cambridge website for more information: Cambridgeinternational.org)			
MAT 0361/0362	Personal Finance	11-12	1/2 Credit/Semester
Personal Finance includes a variety of topics needed in today's society. Some of the areas studied will be banking, credit, automobile ownership, employment basics, income taxes, housing, retirement and budgets. This course fulfills the fourth mathematics credit needed for graduation			
MAT 0351/D352	College Algebra/Trigonometry (MAT151/MAT181 Dual Enrollment)	11-12	1/2 Credit/Semester
College Algebra is the study and analysis of elementary functions, equations and inequalities, conic sections, systems of equations and matrices, and sequences and series, with an emphasis on problem solving and multiple representations. Second semester focuses on Trigonometric functions and their graphs and inverses, identities and the applications of these functions to right and oblique triangles, vectors, complex numbers and polar and parametric equations. Appropriate college placement score applies.			
MATC 371/C372	Cambridge AS Math 9709	11-12	1/2 Credit/Semester
The purpose of this course is to enable students to develop an understanding of mathematical principles and an appreciation of mathematics as a logical and coherent subject; acquire a range of mathematical skills, particularly those which will enable them to use applications of mathematics in the context of everyday situations and of other subjects they may be studying; develop the ability to analyze problems logically, recognize when and how a situation may be represented mathematically, identify and interpret relevant factors, and, where necessary, select an appropriate mathematical method to solve the problem; use mathematics as a means of communication with emphasis on the use of clear expression; and acquire the mathematical background necessary for further study in this or related subjects. <u>Recommended for the Cambridge AICE diploma.</u> (Check out the Cambridge website for more information: cambridgeinternational.org)			

Dual enrollment opportunities may be available in Math, English, Social Studies, Science, Fine Arts and CTE. Please see your Guidance Counselor for a current listing!

SCIENCE

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
SCI 0111/0112	Integrated Science	9	1/2 Credit/Semester

Integrated Science is the entry level science course for high school science. It provides the conceptual foundation for further high school science curriculum. Students receive instruction and practice in developing and refining scientific skills and methods that are prerequisites for success. Topics included in this class are scientific processes, the nature and history of science, basic earth science, basic physics, and basic chemistry. Students will focus on fundamentals, data recording, and communication in all areas. Instruction and pacing will be differentiated to meet the needs of the students.

NOTE: This class is for 9th grade students or students who have been granted permission from the instructor.

SCI 0131/0132	Biology	9-12	1/2 Credit/Semester
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Introduction to biological principles, cellular function, biochemistry, nucleic acid functions, genetics, and genetic engineering. The kingdom and domains of life, including viruses, bio-history and evolution, and ecology and relationships among the species.

SCIC 161/162	Cambridge IGCSE Biology 0610	9-10	1/2 Credit/Semester
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This course prepares students to better understand the world in which they live, and take an informed interest in science and scientific developments. Students learn about the basic principles of biology through a mix of theoretical and practical studies while developing an understanding of the scientific skills essential for further study. Students will learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. Required for The Grand Canyon High School Diploma. (Check out the Cambridge website for more information: cambridgeinternational.org)

SCI 0221/0222	Earth Science	10-12	1/2 Credit/Semester
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Study of the relationships between the Earth's land masses, oceans, and atmosphere, interactions between the Earth's structures, atmosphere, and geologic cycles. Study of the origin and evolution of the Universe including: energy flow time scale, minerals and rocks, Earth's interior composition, and plate tectonics.

Prerequisite: SCI0131 or SCI0112.

SCI 0261/0262	General Chemistry	10-12	1/2 Credit/Semester
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This course is for college-bound students. The course covers a sequential curriculum and laboratory work is essential. Topics include atomic structure, mole concepts, periodic laws, chemical formulas and chemical compounds. Prerequisite: MAT0122 and SCI0132.

SCI 0251/0252	Astronomy	10-12	1/2 Credit/Semester
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Astronomy is an introduction to the scientific study of the Earth/Moon relationship, the terrestrial planets and moons, the gas/ice giant planets and moons, the stars (including our own star, the Sun) and beyond our solar system.

Prerequisite: Successful completion of at least 1 semester of Earth Science.

****Successful completion of 2 years Athletic Training counts as 1 Science credit.****

SCIENCE

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
SCIC 261/262	Cambridge IGCSE Chemistry 0439	10-12	1/2 Credit/Semester

As well as a subject focus, the Chemistry syllabus enables students to: better understand the technological world in which they live, take an informed interest in science and scientific developments, learn about the basic principles of Chemistry through a mix of theoretical and practical studies, develop an understanding of the scientific skills essential for further study, skills which are useful in everyday life learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

Required for The Grand Canyon High School Diploma. (Check out the Cambridge website for more information: cambridgeinternational.org)

*Fee: \$5.00 per semester.

SCI 0341/0342	Anatomy and Physiology	11-12	1/2 Credit/Semester
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This course is designed for “pre-professional” students and others who may enter health or health-related fields. It is an in-depth look into the functioning world of the human body. This course will examine physiological functions as well as identifying the anatomical structures found within the systems of the body. Topics will include organization of the body, support and movement of the body, integration and control of the body, regulation and maintenance of the body, and the continuance of the species. Successful completion of “A” is necessary for success in “B”. Prerequisite: SCI0132 and SCI0262.

SCIC 271/272	Cambridge AS Biology 9700	11-12	1/2 Credit/Semester
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This course is designed to provide a worthwhile educational experience for all students; develop relevant and useful abilities and skills; develop attitudes relevant to biological science; stimulate interest in and care for; the local and global environment, promote an awareness of issues surrounding the study and application of biological science; and stimulate students to create a sustained interest in biology. Recommended for the Cambridge AICE diploma. (Check out the Cambridge website for more information: cambridgeinternational.org) ** Dependent on course requests.

SCI 351	Environmental Science	10-12	1/2 Credit/Semester
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Environmental Science is an introduction to ecology and the use of science-based solutions to current and future environmental issues and a look at how science can help properly manage the Earth for all inhabitants.

Prerequisite: Successful completion of at least 1 semester of Earth Science.

SCIENCE

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
SCIC 371/C372	Cambridge AS Physics 9702	11-12	1/2 Credit/Semester

This course is designed to impart knowledge of everyday phenomena including, but not limited to, Newtonian mechanics, matter, oscillations and waves, electricity and magnetism, and modern physics. Students that complete this course will have been given a comprehensive introduction in the physical world, will have a greater appreciation for the scientific process (including its limitations), and will be better equipped to contribute to a technological society. This course is recommended for students seeking the AICE diploma through Cambridge. Recommended for the Cambridge AICE diploma. (Check out the Cambridge website for more information: cambridgeinternational.org)

SCIC 471/C472	Cambridge A Physics 9702	12	1/2 Credit/Semester
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This course places an emphasis on the laws governing the physical world as well as the interactions and relationships between these laws. Students will study principles of: fluids, thermodynamics, electricity, magnetism, optics, and topics in modern physics. Students that complete this course will have been given a robust introduction into the scientific process, as well as critical thinking skills and technological know-how to continue in this scientific field of study. It is a continuation of the AS level course with more in-depth instruction on similar topics. Students will also study gravitational fields, quantum physics and electromagnetism (among others). The scientific process will continued to be emphasized as well the use of technology to describe these phenomena. Recommended for the Cambridge AICE diploma. (Check out the Cambridge website for more information: cambridgeinternational.org) Perquisite: Cambridge AS Physics

SOCIAL STUDIES

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
SSCC261/C262	Cambridge IGCSE American History 0409	9	1/2 Credit/Semester

Cambridge IGCSE American History (US) offers candidates the opportunity to discover key issues, ideas, people, and events that shaped the emergence and development of the U.S.A. from the mid-18th century to the start of the 21st century. In doing so, it develops an understanding of the present as well as the past. The course enables learners to study American history through the use of original historical sources, objects, and visits to local sites. This course promotes development of lifelong skills such as research, critical analysis, and communication. Throughout this course, acquisition of historical knowledge is underpinned by an investigative approach. This course is required for students seeking Arizona's Grand Canyon High School Diploma. (Check out the Cambridge website for more information: cambridgeinternational.org)

SSCC 161/C162	Cambridge IGCSE World History 0416	10	1/2 Credit/Semester
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The IGCSE History course looks at some of the major international issues of the twentieth century, as well as covering the history of particular regions in more depth. The emphasis is on both historical knowledge and on the skills required for historical research. Students learn about the nature of cause and effect, continuity and change, similarity and difference and find out how to use and understand historical evidence as part of their studies. IGCSE History will stimulate any student already interested in the past, providing a basis for further study, and also encouraging a lifelong interest in the subject. Meets World History graduation requirement. This course is required for students seeking Arizona's Grand Canyon High School Diploma. (Check out the Cambridge website for more information: cambridgeinternational.org)

SOCIAL STUDIES

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
SSC 0201/0202 Semester	World History and Geography	10-12	1/2 Credit/

Students will analyze the human experience through time to recognize the relationships of events and people and to interpret significant patterns, themes, ideas, beliefs, and turning points in world history. The first semester covers history up to the age of exploration and colonization and focuses heavily on the development of civilizations that established the foundations for the modern historical era that begins around the 16th century. The second semester covers history from the era of Absolute monarchs in Europe to the present and focuses heavily on political, economic, and social developments that have shaped the world we live in today. There will also be a large focus on geography, especially where it is a significant factor in the shaping of historical events. The content of this course requires an emphasis on reading, writing, and critical thinking skills, which will be developed throughout the semester.

SSC0321/0322	US History	11-12	1/2 Credit/Semester
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This course is a one year course. The first semester covers early American history from pre-Columbian America through the 1920's. There will be an emphasis on the period from the Industrial Revolution forward. In addition, this course will include Arizona history and basic economic concepts. The second semester covers the period from the Great Depression through current events. This is a required course for graduation (AP US History substitutes for this requirement).

SSCD371/D372	Cambridge AS US History 9389	11-12	1/2 Credit/Semester
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This course allows students to develop a coherent understanding of the history of the U.S.A. The curriculum content provides for historical study in breadth from a variety of perspectives. This course gives students the opportunity to: understand key issues, ideas, people, and events that shaped the emergence and development of the U.S.A.; understand connections between them and understand their significance; and be able to develop a clear grasp of chronology and periodization. Teaching and learning will focus on: continuity, development, change over time, causation and consequence, the significance of key turning points, and individual's connections between different topics. This course is recommended for students seeking the AICE diploma through Cambridge. (Check out the Cambridge website for more information: cambridgeinternational.org) **May be dual credit with MCC HIS131/132.**

SSC0450	Civics	12	1/2 Credit/Semester
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The history and heritage of the government and Constitution of the United States. The roles of the three branches of federal government, and state and local governments; as well as economics. This is a required course for graduation. **May be dual credit with MCC POS 120.**

SOCIAL STUDIES

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
SSC0460	Economics	12	1/2 Credit/Semester

This course is an overview of the foundations of economics and will focus on different approaches to the study of economics: microeconomics, macroeconomics, global economics, and personal finance. Current issues and public policies will be analyzed to gain a better understanding of the complex relationships among economics, politics, and culture. Economics is available for sophomores in the Cambridge program.

SSCC0480	Cambridge AS Economics 9708	12	1/2 Credit/Semester
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Cambridge International AS Level Economics is an introductory economics course that covers the key concepts which run through the study of economics. These concepts will help students make links between the different levels and topics in economics including fundamental problems all societies face, the decision making process by individuals, firms, and governments, how market equilibrium is achieved, when government intervention and regulation is needed or desired, and how these concepts work together to create efficiency. Course is designed to prepare students for Cambridge exams at the end of the year by reinforcing critical thinking, writing skills, and critical analysis. This course is recommended for the AICE diploma through Cambridge. (Check out the Cambridge website for more information: cambridgeinternational.org)

SSCC301/C302	Cambridge AS Global Perspectives 9239 A/B	11-12	1/2 Credit/Semester
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The purpose of this course aims to prepare students for positive engagement with a rapidly changing world, broadening their outlook through the critical analysis of, and reflection on, issues of global significance. This course enables candidates to think critically, to reason in a disciplined way, and to communicate effectively. The course is firmly based on skills rather than specific content. Through the study of global issues, candidates will explore different and sometimes opposing perspectives and will acquire and develop thinking and reasoning skills as well as research and communication skills that will enable students to meet the demands of the twenty-first century and to make a successful transition to study in higher education. Prerequisite: It is recommended that students have attained communication and literacy skills at a level equivalent to IGCSE/GCSE Grade C in English. This course is required for the AICE diploma through Cambridge. (Check out the Cambridge website for more information: cambridgeinternational.org) Credit ELA or HST.

Dual enrollment opportunities may be available in Math, English, Social Studies, Science, Fine Arts and CTE. Please see your Guidance Counselor for a current listing!

WORLD LANGUAGE

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
LAN 0101/0102	Spanish I A/B	9-12	1/2 Credit/Semester

This is a beginning study of Spanish with an emphasis on vocabulary and basic grammar. (LAN0101 must be completed before LAN102).

LAN 0201/0202	Spanish II A/B	10-12	1/2 Credit/Semester
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This is a continuation of Spanish 1 with emphasis on vocabulary, more complex grammar, writing and conversation. (LAN0201 must be completed before LAN0202). Prerequisite: LAN102

LANC 101/102	IGCSE Spanish 1 A/B	9-12	1/2 Credit/Semester
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Cambridge IGCSE Spanish 1 develops a set of transferable skills for understanding and communicating in everyday situations in Spanish. Learners begin to develop cultural awareness of countries and communities where Spanish is spoken. They acquire the essential linguistic skills required for progression to further studies or employment. The syllabus gives students opportunities to develop and apply a wide range of foreign language skills. Candidates will be expected to read and understand a variety of written and spoken texts on familiar topics. Candidates will be required to demonstrate an understanding of the main ideas, opinions and attitudes. They will also have opportunities to write in Spanish on familiar, everyday topics, and to speak the language by taking part in everyday conversations.

Prerequisites include: Any student who wishes to take the IGCSE Spanish course will have to successfully complete one year of regular Spanish 1. Any student who wishes to take IGCSE Spanish who has not taken Spanish 1 first will be required to take a test in order to be accepted into the class. **Students must be highly self motivated to learn the language and culture and willing to sit for the exam.** (Check out the Cambridge website for more information: cambridgeinternational.org)

LANC 305/306	IGCSE Spanish 2 A/B	10/12	1/2 Credit/Semester
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Cambridge IGCSE Spanish 2 is a continuation of IGCSE Spanish 1. Students will develop a set of transferable skills for understanding and communicating in everyday situations in Spanish. Learners begin to develop cultural awareness of countries and communities where Spanish is spoken. They acquire the essential linguistic skills required for progression to further studies or employment. The syllabus gives students opportunities to develop and apply a wide range of foreign language skills. Candidates will be expected to read and understand a variety of written and spoken texts on familiar topics. Candidates will be required to demonstrate an understanding of the main ideas, opinions and attitudes. They will also have opportunities to write in Spanish on familiar, everyday topics, and to speak the language by taking part in everyday conversations. **Prerequisites include:** IGCSE Spanish 1A and 1B or Spanish 1. **Students must be highly self motivated to learn the language and culture and willing to sit for the exam.** (Check out the Cambridge website for more information: cambridgeinternational.org)

LANC 201/202	AS/A Spanish 3 and 4	10-12	1/2 Credit/Semester
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Cambridge AS/A Spanish offers students an opportunity to gain lifelong skills in learning Spanish, including the ability to communicate confidently and clearly; a sound understanding of the nature of language and language study, and of the skills and abilities required for further study, work and leisure; insight into the culture and contemporary society of countries where the Spanish language is spoken; better integration into the communities where Spanish is spoken, positive attitudes towards language learning, towards the speakers of other languages, and towards other cultures and societies. Skills which can be used in other areas of learning, such as analysis and memory skills. Prerequisites include: Students must be highly self-motivated to learn the language and culture and willing to sit for the exam. Completion of IGCSE Spanish 1 and 2 or instructor approval. This course is recommended for the AICE diploma through Cambridge. (Check out the Cambridge website for more information: cambridgeinternational.org)

WORLD LANGUAGE

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
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LAN 0105/0106	Russian I	9-12	1/2 Credit/Semester
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Russian I is an introduction to the Russian language and Culture. The course emphasizes conversation skills, reading and writing, vocabulary and fundamental grammar.

LAN 0205/0206	Russian 2	10-12	1/2 Credit/Semester
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Russian 2 is a continuation of Russian 1. Russian 2 will focus on developing learners' proficiency in speaking, reading, listening and writing. This course will also focus on developing learners' cultural sensitivity.

LANX 103/104	French I A/B	9-12	1/2 Credit/Semester
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French I introduces the student to French culture and the four main language skills: listening, speaking, reading, and writing. Students will achieve survival level of proficiency. **PLATO ONLY**

LANX 221/222	French II A/B	10-12	1/2 Credit/Semester
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This course is a continuation in the study of the French language and culture. Students will increase fluency in listening, speaking, reading, and writing in French. Prerequisite: LAN0104 **PLATO ONLY**

LANX 111/112	German I A/B	9-12	1/2 Credit/Semester
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German I will introduce learners to German Culture and the four main language skills: listening, speaking, reading, and writing. Students will achieve survival level of proficiency. **PLATO ONLY**

LANX 211/212	German II A/B	10-12	1/2 Credit/Semester
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This course is a continuation in the study of the German Language and culture. Students will increase fluency in listening, speaking, reading, and writing in German. Prerequisite: LAN0112 **PLATO ONLY**

LAN 0401/0402	American Sign Language I A/B	9-12	1/2 Credit/Semester
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ASL 1 is a visual-spatial language rather than a spoken one and is taught in a full immersion classroom. It is strictly taught in ASL and voice off environment. The communication emphasis is on expressive skills (signing) and receptive skills (watching and comprehending) in order to understand and communicate with others.

LAN 0403/0404	American Sign Language II A/B	10-12	1/2 Credit/Semester
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ASL 2 is a visual-spatial language rather than a spoken one and is taught in a full immersion classroom. It is strictly taught in ASL and voice off environment. The communication emphasis is on expressive skills (signing) and receptive skills (watching and comprehending) in order to understand and communicate with others. ASL 2 students learn to communicate, comprehend, and present on very familiar topics using isolated words and high frequency phrases in the context of Culture, Connections, Community, Comparisons and Communication by expanding on the vocabulary.

OTHER ELECTIVES

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
MIS 0121/0122	Student Council	9-12	1/2 Credit/Semester

Student Council is designed for motivated students who strive to improve the school environment through leadership and dedication. It is a year-long commitment that requires involvement in and out of school. This includes, but is not limited to: set-up/clean-up and attendance at ALL Student Council sponsored events, active participation in classes and school events, organizational skills and the knowledge of ALL school activities, as well as having a great attitude and ambition to take on challenges. Student Council members are held to the highest standards and should be role models to their peers. There is a GPA requirement to remain in the class as well as a Code of Conduct that every member abides by. Acceptance requires an application and interview process.

MIS 0130	Drivers Education	9-12	1/2 Credit/Semester
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This semester long course is designed to help students become safe, knowledgeable drivers. In the course students will learn about the basic traffic laws and rules of the road that apply to common everyday driving situations. They will also be aware of all the defensive driving techniques and strategies, by the completion of this course, students will be ready to take the written portion of the exam for their learners permit exam.

MIS 0130	Life and Career Skills	9-12	1/2 Credit/Semester
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This curriculum provides life changing education. Students will not only learn about personal finance, but they will also learn how to put that knowledge into action now and in the future. Students will learn the history of accepted money behaviors and how they changed over time. Students will also learn important money principles, goal setting strategies and their role in a strong financial plan.

FINE AND PERFORMING ARTS

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
DRA 0101/0102	Stagecraft I A/B	9-12	1/2 Credit/Semester

Students will receive an introduction to drama as they focus on theatre appreciation through vocabulary, theatre history, and an understanding of backstage elements such as scenic construction, light board operation, sound board operation, costuming and makeup along with safety procedures for each and OSHA certification for construction sites. Students will also be introduced to basic acting styles to help create a well-rounded understanding of theatre arts on stage and backstage. ****Fee: \$10/semester.**

DRA 0201/0202	Stagecraft II A/B	10-12	1/2 Credit/Semester
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This second course is designed to help students further evolve their understanding of acting, and technical production with the inclusion of design and short productions. Stagecraft units include increasingly hands on projects related to various aspects of theatre, and increased time and projects in the scenic shop. **Prerequisite: DRA0101/0102.**
****Fee: \$10/semester.**

DRA 0301/0302	Stagecraft III A/B	11-12	1/2 Credit/Semester
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This class is designed for hard working and motivated students. In this class students have the flexibility to dedicate their time and studies to particular areas of interest within theatre. Stagecraft 3 students also assist with technical elements for the after-school productions, although they are not required to assist outside of class time. Instructional projects vary year to year, allowing this class to be repeated for credit. **Prerequisite: DRA0201/0202. **Fee: \$15/semester.**

Stagecraft classes can be used to satisfy the Fine Arts graduation requirement

FINE AND PERFORMING ARTS

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
INF0151/0152	Art and Design A/B	9-12	1/2 Credit/Semester

Students start with this introductory course that will combine several elements of traditional and commercial art along with photography. This visual arts course will serve as the foundation to pathways in graphic arts, traditional art and photography. Recognized industry software is utilized throughout the course. Owning your own digital camera is recommended. This is the first step to becoming a program completer.

***Lab fee: \$15.00/semester.**

ART 0201/0202	Art 2 A/B	10-12	1/2 Credit/Semester
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Several new media will be introduced, with opportunities to choose subject matter for several projects.

Prerequisite: ART101/102. *Lab fee: \$15/semester.

ART 0300	Advanced Art A/B	11-12	1/2 Credit/Semester
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Concentration on development of individual techniques in one or more media.

Prerequisite: ART101/2 and 201/202.

***Lab fee: \$15/semester.**

INF 0121/0122	Graphic Art A/B	10-12	1/2 Credit/Semester
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Students will explore and understand the various digital media and technologies including technology's historical evolution, current applications, and future possibilities. They will develop design concepts and projects for commercial and business environments as well as explore career possibilities.

Prerequisite: INF0151/0152. *Lab fee: \$10/semester.

INF 0123/0124	Advanced Graphic Arts A/B	10-12	1/2 Credit/Semester
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Second year students will build on and refine their understanding of various digital media and technologies including technology's historical evolution, current applications, and future possibilities. Students will develop design concepts and projects, which directly apply to commercial and business environments, such as, corporate identity packages, and sales and marketing materials. Design students will act as a business partners with the school clubs and organizations.

Prerequisite: 0121/0122 *Lab fee: \$10/semester.

MUS 0150	Choir Concert	9-12	1/2 Credit/Semester
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This is a year-long course that explores choral music from a wide variety of cultures and time periods through study and performance. This class is open to all students, regardless of previous singing experience. The core curriculum emphasizes the basics of vocal technique, sight reading, music theory, and music history. Students in Concert Choir are expected to participate in one evening concert each quarter as a major part of their grade.

FINE AND PERFORMING ARTS

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credit</u>
MUS 0120	Concert Band	9-12	1/2 Credit/Semester

This is the wind-based, performing ensemble of Lee Williams High School. These instruments include Brass and Woodwind instruments only (flute, clarinet, saxophone, trumpet, trombone, tube and color winds). The goal of this ensemble is to provide its students with the opportunity to develop and refine musicality and technical skills that will enable them to perform a wide variety of repertoire at a Grade Difficulty of 3 or higher. Students will focus on master in all areas including tone, intonation, balance, interpretation and theory. Performances are a mandatory part of the grade. If interested in joining without previously been in band, please meet with the director before adding this course to your schedule.

MUS 0110	Band Percussion	9-12	1/2 Credit/Semester
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This is the percussive, performing ensemble of Lee Williams High School. These instruments include drums, hand percussion and mallet-based instruments. The goal of this ensemble is to provide its students with the opportunity to develop and refine musicality and technical skills that will enable them to perform a wide variety of repertoire at a Grade Difficulty of 3 or higher. Students will focus on master in all areas including tone, intonation, balance, interpretation and theory. Performances are a mandatory part of the grade. If interested in joining without previously been in band, please meet with the director before adding this course to your schedule.

MUS 0260	Music Appreciation	9-12	1/2 Credit/Semester
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Non-Performance Music Class

The purpose of this course is to engage students in discussion and application of the basic fundamentals of culture and music in Western Civilization. This class will connect History, Science, Language and Literary Arts to create a more cohesive understanding of how, Jointly with music, culture progresses through time. Eras of study include: Medieval, Renaissance, Baroque, Classical, Romantic, Modern and Post-Modern.

MUS 0360	The Study of Rock Music	9-12	1/2 Credit/Semester
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This class will be a one semester course covering the global history of rock and roll music, as well as other genres generally either influencing or influenced by rock music.

PHYSICAL EDUCATION

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
<i>PED 0110</i>	<i>PE/Health</i>	<i>9</i>	<i>1/2 Credit/Semester</i>

All students will participate in various team and individual sports. These classes address: development of a cardio-vascular fitness program, the significance of flexibility and how to attain it, and the importance of team play and sportsmanship. All sports will be addressed with a sound, developmental teaching style. These class offerings will allow the students to increase both their knowledge of the game, as well as their ability to perform proper techniques and strategies. Students will participate in a variety of sports, such as, pickle ball, badminton, archery, softball, hockey, football, basketball, volleyball, and soccer as well as pre and post physical fitness testing.

<i>PED 0220</i>	<i>Weight Training</i>	<i>10-12</i>	<i>1/2 Credit/Semester</i>
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This course introduces students to all types of resistance training. The class consists of a four-day weightlifting program with emphasis on technique and safety. One day per week is designated for fitness-related activity. Weight training is not offered to freshmen. It may be repeated for credit.

Prerequisite: PED0110.

<i>PED 0140</i>	<i>Cross Training</i>	<i>10-12</i>	<i>1/2 Credit/Semester</i>
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Cross training is an elective course designed for driven, hardworking individuals. This class will consist of some weight training, speed development, agility, and quickness training, games, competitions, and fun. Difference subject matter such as nutrition, body composition, and heart rate will also be taught.

<i>PED 0210</i>	<i>Advanced P.E.</i>	<i>10-12</i>	<i>1/2 Credit/Semester</i>
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This class will focus on lifetime fitness. It will allow students to maintain physical activity in an fun and healthy way. Students will learn activities that are low impact and can be enjoyed outside of the school day.

Prerequisite: PED0110.

*****All PE classes require a uniform shirt and \$5 class fee.*****

GUIDANCE

<u>Course #</u>	<u>Title</u>	<u>Grade Level</u>	<u>Credits</u>
GUI 0200	Teacher Aide	11-12	1/2 Credit/Semester

Student assists teacher in carrying out clerical duties. Teacher's Aide will not count for eligibility in AIA sports.

Prerequisite: Instructor approval, 2.5 cumulative GPA. Course can only be taken twice for credit.

GUI 0330	Office Assistant	11-12	1/2 Credit/Semester
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Work in an office on campus: Attendance, Discipline, Guidance, Health, Library, Reception, Student Accounts, Student Assistance Center, or Special Education.

Prerequisite: Office supervisor recommendation, 3.0 cumulative GPA. Repeatable for credit.

REL0010	Release Time 1 Hour AM	12
REL0120	Release Time 2 Hours AM	12
REL0560	Release Time 2 Hours PM	12
REL0060	Release Time 1 Hour PM	12

**Release time forms are available from your counselor and are required!*

FEE SCHEDULE

<u>Course Title</u>	<u>Fee Amount</u>
A Physics 2A	\$5
Adv. Drama Productions A	\$15
Adv. Graphic Arts A	\$5
Adv. P.E.	\$5
Anatomy & Physiology A	\$5
Art 2A	\$15
Art Advanced	\$15
AS Physics A	\$5
AS/A Level Biology A	\$5
Biology 1 A	\$5
Chemistry A	\$5
Cross Training	\$5
Dance & Aerobics	\$5
Drama 1A	\$10
Earth Science A	\$5
Graphic Arts A	\$5
IGCSE Biology A	\$5
IGCSE Chemistry A	\$5
Studio Arts and Graphic Design 1	\$15
PE/Health A	\$5
Weight Training A	\$5

****Fee list can change based on courses being offered each year.*

AICE AND GRAND CANYON DIPLOMA

The Lee Williams Cambridge students have the opportunity to earn various diplomas as described below.

AICE DIPLOMA (Advanced International Certificate of Education - Cambridge)

During the 11th and 12th grades, students may undertake AICE classes. The curriculum is designed to follow on from IGCSE, giving an integrated four-year curriculum. The AICE diploma itself is designed to be a two year program made up with AS/A level courses.

In order to achieve an AICE diploma, students must satisfy the following during 11th and 12th grades:

- Six Cambridge credits to include one exam from each of the 3 subject groups ·
- Advanced subsidiary (AS) Level exams = 1/2 credit/Semester/Semester
- Advanced (A) Level exams = 2 credits
- Students who complete 6 ACIE credits can achieve the AICE Diploma

AICE Three Areas of Student: Students must take at least one class from each of the 3 subject groups; the class choice is up to them. Global Perspectives is a requirement for the AICE diploma beginning with the class of 2017. (All other graduation requirements must still be met.)

GRAND CANYON HIGH SCHOOL DIPLOMA

A student may qualify for a Grand Canyon Diploma by meeting the following requirements within the Cambridge Academy and passing IGCSE examinations at the levels prescribed the ADE.

- Two credits of English.
- Two credits of Mathematics
- Two credits of Science
- One Credit of American History
- One Credit of World History
- One Credit of Career and Technical Education (or Cambridge Fine Arts)
- One-half credit of Economics

ANNUAL PUBLIC NOTIFICATION

Annual Public Notification of Nondiscrimination

Kingman Unified School District #20 (KUSD #20) does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. The KUSD #20 Career and Technical Education Department does not discriminate in enrollment or access to any of the programs available (Agriculture, Allied Health, Automotive, Business, Carpentry, CIS, Culinary, Engineering/Drafting, Early Childhood Education, Fire Science, Nursing, Law Enforcement, Photography, Tech Theater and Welding). The lack of English language skills shall not be a barrier to admission or participation in the district's activities and programs. KUSD #20 also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the compliance coordinators listed at bottom.

Notificación Pública Annual de No Discriminación

(Spanish Version)

Kingman Unified School District #20 (KUSD #20) no discrimina raza, color, nacionalidad, género, edad, o incapacidad de admisión a sus programas, servicios, o actividades, en acceso a ellas, en el tratamiento a individuos, o en ningún aspecto de sus operaciones. El departamento de Educación Técnica y de Carreras de Kingman Unified School District #20 (KUSD #20) no discrimina en su matriculación o en el acceso a cualquier de sus programas disponibles (Agriculture, Allied Health, Automotive, Business, Carpentry, CIS, Culinary, Engineering/Drafting, Early Childhood Education, Fire Science, Nursing, Law Enforcement, Photography, Tech Theater and Welding). La falta de habilidades inglesas para idiomas de hablar no será una barrera a la admisión ni la participación en las actividades del distrito y programas. El Kingman Unified School District #20 (KUSD #20) tampoco discrimina en sus contratos o practicas de empleados.

Esta noticia es provista y requerida por el Título VI del Acto de Derechos Civiles de 1964, Sección 504 del Acto de Rehabilitación de 1973, Título IX de la Enmienda Educativa de 1972, en el Acto de Era de Descriminación de 1975, y el Acto de los Estadounidenses con Habilidades Diferenciadas de 1990. Preguntas, quejas, o para más información con respecto a estas leyes pueden remitir por al coordinador de compliance.

Title II/IX Compliance Coordinator

Angela Moreschi Director of Human Resources
KUSD #20
3033 MacDonald Ave.
Kingman, AZ 86401
Phone: 928-753-5678, ext. 2012

Section 504 Coordinator

Mrs. Vicki Trujillo
KUSD #20
3033 MacDonald Ave.
Kingman, AZ 86401
Phone: 928-753-5678, ext. 2201

****Note:** All materials can be translated upon request. Please contact the site administration office to obtain this service.

CONTACT INFORMATION

GET INVOLVED AND STAY IN SCHOOL!

Lee Williams High School offers a variety of athletics, activities and student services. A large number of athletic opportunities are offered in the Fall, Winter and Spring seasons for male and female athletes. Stop by the Athletics Office to pick up your physical exam paperwork and AIA guidelines regarding participation.

Clubs, student organizations, and enterprises provide students with another way to get involved in their school. Students can participate in competitive, academic, service based or social clubs. You can even be involved in Student Government.

The Guidance Office offers a range of services to help students through their high school years. Career, academic and personal counseling is available. Peer mediation and support groups are also an option. After school tutoring centers are available for students needing academic support and AIMS preparation.

Take advantage of these and other opportunities to make your high school experience fun, rewarding and successful!

Look to the LWHS Website for up to date information:

www.lwhs.kusd.org

Contact Information

Lee Williams High School

400 Grandview Avenue
Kingman, AZ 86401
Phone: 928-718-6000

Scott Taylor, Principal's Office 928-718-2412
Matthew O'Neill, Discipline Office 928-718-2417
Shane Murray Athletic Director's Office 928-718-2417

Guidance Department - 928-718-2411

Wendy Hayes
Kim Richhart
Hollie Hinkle

Career and Technical Education

Cassie Vroegh, Coordinator
928-692-6463

Course catalogs will be posted online at:

www.lwhs.kusd.org
www.waveCTED.org

HONORS DIPLOMA

Requirements for Academics Honors Diploma at KUSD

1. Students must complete three credits of Advanced Placement, Cambridge A or Cambridge AS.
2. Students must have a 3.25 GPA or higher.
3. Students must have completed 10 or more credits in the core subjects that are designated as honors-level courses during their 9th-12th grade years. Courses that are designated Honors, Cambridge, Dual Credit, or Advanced Placement fulfill this requirement. Two of these credits may come from the Talent and Interest Area.
4. The following courses are eligible for the Kingman High School or Lee Williams High School Honors Diploma. Course may be offered at one or both campuses.

Approved Courses for Honors Diploma

Core Academics

English

English Honors 1A-B
English Honors 2A-B
Cambridge English I A-B
Cambridge English II A-B
DC English 101-102
AP English 3A-B
AP English 4A-B
DC English 246-234
Cambridge AS/A *English* /Literature

Math

Algebra 2 Honors
Cambridge Mathematics
Cambridge Additional Mathematics
Geometry Honors
DC College Algebra151
DC Trigonometry 181
Cambridge AS/A *Pure* Mathematics
PRE Calculus A-B
AP Calculus A-B

Science

Biology Honors
Cambridge Biology
Cambridge Chemistry
Cambridge Physics
Chemistry Honors A-B
AP Chemistry A-B
AP Biology A-B
AP Physics A-B
Cambridge AS/A Physics
Cambridge AS/A Chemistry
Cambridge AS/A Biology

Social Studies

Cambridge World History
Cambridge U. S. History
World History/Geography Honors A-B
Cambridge AS/A History
Cambridge AS/A Global Perspectives
AP World History A-B
AP United States History A-B
AP Macro Economics
DC Civics POS120

TALENT and INTEREST

Fine Arts

Advanced Choir
Wind Ensemble
Jazz Band 2
Advanced Art
Advanced Photo C-D
Advanced Drama Productions A-B

CTE Courses

DC CIS 110
DC CIS 145
DC CIS 143
Woodworking 3A-B
DC Welding 2
Advanced Athletic Training A-B
CADD A-B
Early Childhood 3A-B
DC Culinary 3
Accounting 2A-B
Certified Nursing Assistant
Adv. Store Mgt. & Marketing A-B

Foreign Language

AP III & IV A-B-if program grows
AP Spanish A-B
AP German A-B
AP French A-B

4 YEAR PLANNER

Class of 2026

Credits	COURSES
4	MATH
4	ENGLISH
3	SCIENCE
3	SOCIAL STUDIES TO INCLUDE: WORLD GEOGRAPHY/HISTORY, US HISTORY, CIVICS, ECONOMICS
1	FINE ARTS or VOCATIONAL
1.0	HEALTH/PE
7-9	ELECTIVE CREDITS
22	TOTAL GRADUATION REQUIREMENTS

Class of 2025

Credits	COURSES
4	MATH
4	ENGLISH
3	SCIENCE
3	SOCIAL STUDIES TO INCLUDE: WORLD GEOGRAPHY/HISTORY, US HISTORY, CIVICS, ECONOMICS
1	FINE ARTS OR VOCATIONAL
1.0	HEALTH/PE
7-9	ELECTIVE CREDITS
22	TOTAL GRADUATION REQUIREMENTS

Class of 2024

Credits	COURSES
4	MATH
4	ENGLISH
3	SCIENCE
3	SOCIAL STUDIES TO INCLUDE: WORLD GEOGRAPHY/HISTORY, US HISTORY, CIVICS, ECONOMICS
1	FINE ARTS OR VOCATIONAL
1.0	HEALTH/PE
7-9	ELECTIVE CREDITS
22	TOTAL GRADUATION REQUIREMENTS

Class of 2023

Credits	COURSES
4	MATH
4	ENGLISH
3	SCIENCE
3	SOCIAL STUDIES TO INCLUDE: WORLD GEOGRAPHY/HISTORY, US HISTORY, CIVICS, ECONOMICS
1	FINE ARTS OR VOCATIONAL
1.0	HEALTH/PE
7-9	ELECTIVE CREDITS
22	TOTAL GRADUATION REQUIREMENTS