



Heritage Academy  
Course Catalog

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## GENERAL INFORMATION

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The *Heritage Academy* Course Catalog has been designed to provide course selection information for the 2017-2018 school year. Scholars are encouraged to consult with parents, advisors, and teachers to carefully consider the information within this catalog to aid in selecting courses that will satisfy their graduation requirements, as well as post-graduation plans.

The information presented in this Course Catalog describes the academic and elective offerings available to scholars for the 2017-2018 school year. It is important to review graduation requirements and ensure that course selections are made with serious consideration. Some courses may have prerequisite requirements that must be satisfied to enroll in the course.

It should be noted that not all of the courses offered will be made available due limited student requests and teacher availability. For this reason it is important during the pre-registration period to make thoughtful selections to equalize course enrollments and minimize scheduling changes.

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## REGISTRATION PROCESS

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Scholars will use an online course registration program beginning on **April 10, 2017** and ending on **April 30, 2017**.

You will be requesting for the whole year at this time; it is therefore important that scholars make course selections carefully as classes are formed based on student requests. Some courses listed in the catalog may not be available if the registration is not sufficient to hold the class. Each student must register for the equivalent of 8 classes each semester; 4 of the 8 classes will meet Monday/Wednesday and the other 4 will meet on Tuesday/Thursday. All registration matters will be handled via email. Schedules will be available for review through Parent Portal access one week prior to the start of school. Final schedules will be handed out on the first day of school.

To register for courses go to [grades.hamesa.com](http://grades.hamesa.com) and input your ID and password. Once you are in PowerSchool, select the "Register for Classes" tab and follow the directions on the enrollment screen. If unable to access account or need to retrieve user ID and password please email [info@heritageacademyaz.com](mailto:info@heritageacademyaz.com) or contact the front office.

### Course Fees:

For courses with an associated course fee, payment for both semesters is **due in full** no later than July 30, 2017. Any scholar with an outstanding balance to the school will not be enrolled into any fee-bearing course until the balance is paid in full or a payment arrangement has been with the front office. Payment arrangements that are not kept will result in the scholar being withdrawn from the fee bearing course and placed into a non-fee bearing course that is available during that same class period effective **July 30, 2017**.

**Junior High Team Sport fees** will be capped at \$300 per scholar per academic year.

**High School Team Sport fees** will be capped a \$550 per scholar playing Tackle Football and \$300 for all other scholars per academic year.

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## DUAL ENROLLMENT

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Heritage Academy offers ambitious scholars the opportunity to concurrently enroll in college-level course while fulfilling high school academic requirements. Seniors, juniors, sophomores, and freshmen are eligible for these courses, which are conveniently offered at the Heritage Academy campus by current Heritage teachers that are certified dual enrollment college instructors. Dual enrollment courses are transferable to Arizona public colleges and universities easing the transition from high school to college.

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## COURSE SCHEDULING

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Heritage Academy will make every effort to schedule course requests from the scholar; however, since the schedule is completed on a full-year basis the following circumstances may affect scheduling:

- If a sufficient number of scholars do not request a course, the course will not be made available. In the event that a course is not offered, every effort will be made to schedule an alternate selection from the course request form.
- If a selected course request conflicts with another request, every effort will be made to schedule an alternate selection from the course request form to replace the unscheduled course.
- If a scholar chooses a course and does not meet the prerequisite or did not complete the course, the scholar's schedule will be adjusted accordingly.
- If a scholar has an outstanding balance owing to the school, he/she will not be permitted to enroll in a fee bearing class until balance is paid in full.

For these reasons, it is critical that the scholar completes the "alternate selections" section of the course request form. Please note that if the "alternate selections" section is not completed, the student will be scheduled for any non-fee bearing elective(s) available.

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## SCHEDULE CHANGE PROCESS

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Scholar-initiated schedule changes will begin on the second day of class. The scholar will be required to submit a signed and completed [Course Schedule Change Request](#) form no later than eight days following the beginning of the semester. Changes will be processed based on course availability and in the order they are received. No schedule change requests or changes will occur after the **second week** of the semester with the exception of teacher requests.

A scholar's schedule may only be changed under the following conditions:

- Scholar has already received credit for a scheduled course
- An additional course is needed for graduation completion
- Scholar failed to meet prerequisite for course
- Successful completion of accredited course during summer
- Administrative discretion (imbalance of class loads, loss of course due to availability, etc.)

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## LATE REGISTRATION AND ADD/DROP POLICIES

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- Scholars registering late or wishing to change classes must do so in the first two weeks of the semester
- No classes may be added after the first two weeks of the semester with the exception of teacher requests
- All scholars who are on campus must be enrolled in a class; no scholar will be allowed to loiter at the school
- Scholars wishing to drop a class must do so within the first four weeks of the semester without penalty

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## EDUCATION AND CAREER ACTION PLAN

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In accordance with Arizona Administrative Code R7-2-302-.05, effective for the 2013 graduation class each scholar in grades 9-12 will participate in the development of an individual Education and Career Action Plan (ECAP). The ECAP will encompass each scholar's high school graduation plan, post-secondary education opportunities (admissions requirements, applications, and financial assistance), and career aspirations in an effort to help each scholar reach their fullest potential. To ensure that each student is developing and progressing with his/her plan a *College Coach* is available and working with the scholars semi-annually.

## ADMISSION TO COLLEGES AND UNIVERSITIES

Scholars planning to attend four-year colleges or universities should determine the entrance requirements of the particular school they wish to attend. Scholars applying to Arizona universities must meet the following general requirements:

- For unconditional admission, a student must rank in the top 25 percent of his/her graduating class, have an overall grade point average of 3.0 or higher, and have a minimum score of 22 on the ACT or 1040 on the SAT test, and complete the course requirements
- For conditional admission, a student must rank in the upper 50 percent his/her graduating class, have an overall minimum grade point average of 2.5 with an ACT score of 22 or an SAT score 1040.

## GRADUATION REQUIRMENTS AND UNIVERSITY ADMISSION STANDARDS

The following table illustrates the course requirements for completion of a high school diploma at Heritage Academy, as well as recommendations for satisfying in-state university and college competencies. University and college competencies may vary by institution; therefore, scholars should carefully examine admission requirements in college catalogs and specific college websites. Scholars should consult with parents and school advisors in regards to course selections and credits.

In addition to meeting the general graduation requirements, scholars are also required to pass the core competencies of Arizona's Instrument to Measure Standards (AIMS) test.

Heritage Academy Curriculum	General Graduation Requirements	Honors Classes Available	Dual Enrollment Courses	In-State University / College Competencies
ENGLISH	<b>4 credits</b>	4	4	<b>4 credits</b> (composition and literature based)
MATH	<b>4 credits</b>	2	4	<b>4 credits</b> 1 year each of: Algebra I, Geometry, Algebra II, and an advanced class where Algebra II is prerequisite
SCIENCE	<b>4 credits</b> Must complete 1 credit each of 3 different sciences. (Bio, Chemistry, Physics, Anatomy & Physiology)	4	3	<b>3 credits</b> 1 credit each of 3 different lab sciences selected from the following: Chemistry, Physics, or Biology, Earth Science
HISTORY	<b>3 credits</b> World His, Am His, Economics & Gov.	5	3	<b>2 credits</b> Am. Hist. and 1 other
FOREIGN LANG.	<b>2 credits</b>	2	4	<b>2 credits</b> 2 years of same language
FINE ARTS	<b>1 credits</b>			<b>1 credit</b>
PE	<b>1 credits</b>			
REQUIRED CORE COURSES	<b>19 credits</b>			<b>16</b>
ELECTIVE COURSES	<b>7 credits</b>	3	3	<b>4</b>
<b>TOTAL REQUIRED</b>	<b>26 credits</b>	<b>20</b>	<b>23</b>	<b>20</b>

## STATE OF ARIZONA HIGH HONORS TUITION WAIVER SCHOLARSHIP

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Graduates from an Arizona high school may be eligible for a 25 % in-state university tuition waiver. Additional information, qualifications, and scholarship criteria can be found at <http://www.azed.gov/endorsement-tuition-scholarship/> or by contacting the Arizona Department of Education.

### QUALIFICATIONS (CLASS OF 2013 & BEYOND)

**Students must have Arizona residency with lawful immigration status AND meet the following academic criteria:**

#### **Part 1 (Core Competency)**

Complete all [16 Core Competency Courses](#) by graduation with a B\* or better or receive an acceptable score (**\*See Table I**) on the Advance Placement (AP) or a 4 on the International Baccalaureate (IB) exam for that subject matter.

The **16 Core Competency Courses** as defined by [the Arizona Board of Regents Tri-University Admission](#) requirements are: 4 units English; 4 units Math; 3 units Lab Science; 2 units Social Science; 2 units Foreign Language; and 1 unit Fine Arts.

\* A "C" in a weighted course (Honors or Advance Placement course) does not convert to a "B". The grade is as reflected on the student's transcript.

If a student receives a "C" in any unit of credit of a core course (weighted or unweighted), he/she must complete one of the following options to remain eligible: 1) Retake the unit of credit and receive a "B" or better; 2) Take an additional unit of credit in that subject matter and receive a "B" or better; 3) Receive an acceptable score (**\*See Table 1**) on the Advance Placement (AP) exam or a 4 on the International Baccalaureate (IB) exam for that subject area.

AND

#### **Part 2 (GPA/Class Rank)**

**Students must meet at least one of the following academic requirements:**

**Option 1: GPA:** A minimum **core** GPA of 3.50 in the [16 competency courses](#) on an un-weighted 4.00 scale **OR** for those districts which use a 5.00 scale for IB/AP/Honors courses, an equivalent **core** GPA on a weighted scale that meets or exceeds the value in [\\*Table 2](#).

**Option 2: Class Rank:** Student is in the top 5% of their high school graduating class.

AND

#### **Part 3 (ACT/SAT1)**

**Students must meet at least one of the following admissions test options and submit scores to the universities they apply to:**

- **Option 1: At least 28 on the ACT test.**
- **Option 2: At least 1300 on the SAT1 test** (critical reading & math, excluding essay).



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## POLICIES AND PROCEDURES

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### CREDITS

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Course credits will be awarded on a semester basis. Scholars will be awarded one-half credit for demonstration of course mastery of 70% (grade of “C” or better) based on course performance standards. Junior High scholars are required to take four credit hours per semester. Freshman, sophomores, and juniors are required to take a minimum of three credit hours per semester. Seniors should review credits to ensure that all graduation requirements are fulfilled prior to registration and course selection.

All courses taught for credit will receive a letter grade or a pass/fail option. Grade point and the percentage used are listed below. **Please note, credit is awarded for a letter grade “C” or higher; scholars earning a letter grade of a “D” will receive zero credits for the class and may be required to repeat the course.**

Grade Percent	Letter Grade	Quality Points	Grade Percent	Letter Grade	Quality Points
97 & above	A+	4.33	77-79	C+	2.33
93-96	A	4.00	73-76	C	2.00
90-92	A-	3.67	70-72	C-	1.67
87-89	B+	3.33	67-69	D+	0.00
83-86	B	3.00	63-66	D	0.00
80-82	B-	2.67	60-62	D-	0.00

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### REPEATING A COURSE

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High School scholars failing a core class will be required to retake the course prior to advancing to the next course. A student who fails a required class must make up the class at a time and place other than during the regular school year. This will involve a summer school commitment, either at Heritage, if offered, or at another acceptable school. A student will not be allowed to register for the same class at Heritage during the regular school year again. If a student wishes to take the class from an acceptable on-line school, it must be done also during the summer months and not during the regular school time.

If the course is taken as a correspondence course, the scholar will need to complete the [Permission to Substitute a Class](#) form and seek approval from the appropriate teacher, department chair, and Heritage Administrator prior to enrolling in correspondence course.

Junior High scholars failing one or more core courses in an academic year will be required to repeat the entire grade. Summer school make-up classes will not apply to seventh and eighth grade students.

In nearly every case, a student fails a class because of not doing the required work. Students will want to seriously consider the consequences of not doing the required work during the regular school semester/year. It is much easier to do the work when assigned than to choose not to do the work and then have to make it up during the summer. Summer school classes cost money and take time from family and vacation time.

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## TRANSFERABILITY OF CREDITS

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Transferability of credits from other educational institutions is not automatic. Transfer credits will be evaluated in based on official transcripts to determine whether a course will be accepted as a core or elective course.

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## EXTRACURRICULAR ELIGIBILITY

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Scholars are encouraged to participate in one or more extracurricular activities. Participation in extracurricular activities and athletics is considered a privilege. Therefore, all scholars will be held to the following academic eligibility policy in order to participate in athletics, musicals/plays, concerts, dance performances, school trips, and clubs:

- Scholars must maintain a minimum grade of C- (70%) the week of event to participate
- All associated fees and balances must be paid in full
- Scholars participating in athletics must have completed and have on file with athletic director:
  - [Parent Consent and Emergency Contact Information Form](#)
  - [Athletic Participation and Fee Form](#)
  - [Transportation Permission Form](#)
  - Current physical examination form completed by an MD or DO

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## 7<sup>TH</sup> AND 8<sup>TH</sup> GRADE EDUCATION PROGRAM

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Junior High courses at Heritage Academy are designed to assist the scholars in meeting and exceeding the basic requirements in English, History, Math and Science before progressing on to the high school curriculum. We encourage all of our scholars to strive for excellence, so that the foundation that is laid in junior high becomes a stepping stone to further success. In order to assist our scholars in this pursuit, we offer classes in Latin, reading, and writing to supplement the basic course work.

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### LATIN

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**Latin I:** All junior high scholars will be enrolled in a Latin course in which they will be introduced to the great classical language of Latin. Scholars will learn why so much emphasis was placed on this language by the Founding Fathers. They will learn how Latin can improve their knowledge of English, improve SAT scores, and act as a springboard into the learning of other Foreign Languages (especially French and Spanish), Math, Science, Medicine, Literature and many other subjects. Scholars will learn the alphabet, vocabulary, roots and other components of this language. This course will prepare scholars to read, write and understand this great language.

**Latin II:** A brief review of Latin I and then second year skills such as translating stories, poems and passages will be added

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### MATHEMATICS

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Each student is placed in a math class based on the score of their entrance placement exam. On the first day of class, another assessment is given to help determine if the placement is the right place for the student. If a change is recommended, scholars and parents are contacted and schedules are changed. We do our best to place the scholars in the math class that is most appropriate to their individual skill level. If parents or scholars feel the placement is not a good fit, feel free to contact the teacher. Jr. High level math courses are as follows:

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#### GENERAL MATH

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This is the 7<sup>th</sup> grade math class. The curriculum is based on the AZ state **7<sup>th</sup> grade** math standards found at <http://www.azed.gov/azccrs/mathstandards/>. The course includes a study of various graphic displays including stem and leaf plots and scatterplots, linear functions, solving multi-step equations, geometry and integers. For sample questions and tutorials, please visit McDougal Littell's website at [www.classzone.com](http://www.classzone.com).

**Requirements:** Scientific calculator  
**Textbook:** McDougal Littell, *Math Course 2*

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#### PRE-ALGEBRA

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This course is for 7<sup>th</sup> and 8<sup>th</sup> grade scholars. The curriculum is based on the AZ state math standards for **both 7<sup>th</sup> and 8<sup>th</sup> grade**. These can be found at <http://www.azed.gov/azccrs/mathstandards/>. The course includes a study of various graphic displays including box and whisker plots and scatterplots, linear functions, solving multi-step equations, geometry and integers. For sample questions and tutorials, please visit McDougal Littell's website at [www.classzone.com](http://www.classzone.com).

**Requirements:** Scientific calculator  
**Textbook:** McDougal Littell, *Pre-Algebra*

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## READING AND WRITING

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All 7th grade scholars who do not pass the reading/writing Heritage Academy placement test will be enrolled in a Reading/Writing Skills Class, unless they have demonstrated proficiency in a Heritage Academy reading/writing summer school class. All 7th and 8th graders will be enrolled in yearly English classes, and all 8th graders will be enrolled in a one semester class, Library Science, in addition to the regular English class. Scholars will focus on improving skills in research and writing in Library Science.

7th and 8th grade English classes offer challenging curriculums focused on literature, grammar, speaking, and writing skills. The studies of classic literature from a variety of genres include critical thinking and follow up writing experiences. The composition program emphasizes writing as a process: prewriting, rough drafts, revising, editing, and publishing of final copies.

Scholars will write friendly and business letters, five-paragraph expository essays, literary analysis essays, personal narrative essays, creative narrative essays, and persuasive essays. Writing is scored according to a rubric based on traits of good writing, and scholars will learn how to critique their own writing. Scholars will also write responses to literature, nonfiction and poetry, and will write their own poetry. The focus in grammar is on parts of speech, spelling, punctuation, capitalization, and sentence structure.

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## ELECTIVE COURSES

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All scholars are encouraged to expand and improve their talents. We encourage scholars to take an interest in and involve themselves in music, art and sports. **All 7<sup>th</sup> grade scholars** need to be enrolled in full year of either choir or instrumentals class; **all 8<sup>th</sup> grade scholars** need to be enrolled in a minimum of one semester of art, choir, or instrumentals class. All scholars wishing to join the orchestra will audition with Mr. John Taylor and will be placed according to skill level. Classes are available from beginning to advanced levels.

Scholars are also encouraged to develop their physical abilities. All junior high scholars are required to take at least one P.E. class each year. Heritage Academy offers P.E. classes and competitive team sports which include after school programs.

Girls' P.E. classes include: dance (fee required), Kenpo, tennis (fee required) and golf (fee required).

Girls' team sports include: volleyball (fee required), basketball (fee required), soccer (fee required), softball (fee required), cross country, track and field, tennis (fee required) and golf (fee required – non-refundable once semester starts). The team sports will involve league competition in the Charter Athletic Association (CAA).

Boys' P.E. classes include: Kenpo, fitness, golf (fee required) and tennis (fee required). Boys' team sports include: flag football (fee required), cross country, basketball\*\* (fee required), baseball (fee required), soccer (fee required), track and field, tennis (fee required) and golf (fee required). Team sports will compete in the Charter Athletic Association. (CAA) For course descriptions please see the Course Curriculum guide below.

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## JUNIOR HIGH COURSE ELECTIVES

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Elective	Fee	Boys	Girls
Basketball	\$150	✓	✓
Baseball	\$150	✓	
Flag Football	\$150	✓	
Soccer	\$150	✓	✓
Volleyball	\$150		✓
Band/Orchestra	\$10	✓	✓

Elective	Fee	Boys	Girls
Golf**	\$100	✓	✓
Dance	\$25		✓
Kenpo I-II	N/A	✓	✓
Fitness	N/A	✓	
Tennis	\$75	✓	✓

## RECOMMENDED 7<sup>TH</sup> AND 8<sup>TH</sup> GRADE COURSE SCHEDULE

The Junior High School student schedule is structured to provide an opportunity for scholars to be exposed to as many different subject areas as possible. Scholars may experiment with their talents and interests while in junior high and then pursue more advanced classes in those areas where they have developed special talents and interests during their High School years. The following is a typical schedule for junior high classes.

7th Grade	
1st Semester	2nd Semester
English / Honors English	English / Honors English
Math	Math
History	History
Science	Science
Latin I	Latin I
Reading or Elective	Reading or Elective
Choir, Band or Orchestra	Choir, Band or Orchestra
Kenpo, Dance, Fitness or Team Sports	Computers, Drama, Art or Team Sports

8th Grade	
1st Semester	2nd Semester
English / Honors English	English / Honors English
Math	Math
History	History
Science	Science
Latin II	Latin II
Elective	Elective
Art, Choir, Band or Orchestra	Art, Choir, Band, Orchestra or Elective
Computers, Drama or Team Sports	Kenpo, Dance, Fitness or Team Sports

## JR. HIGH REQUIRED CLASSICAL READING LIST

Grade	School Year Reading
7	<b>Math:</b> <i>Math Magic</i> <b>English:</b> <i>Lion, Witch, and the Wardrobe, A Christmas Carol, Tom Sawyer, Miracle Worker, Shakespeare</i>
8	<b>Math:</b> <i>Math Magic</i> <b>Science:</b> <i>Environmental Overkill</i> <b>English:</b> <i>The Hobbit, Animal Farm, Shakespeare, Miracle Worker</i>

## JR. HIGH CLASS SCHEDULE – MESA CAMPUS

### Jr. High (7 & 8 Grades)

Day	Period 1	Period 2	Jr. High Lunch	Citizenship	Period 3	Period 4
A (Mon & Wed)	8:00 - 9:33	9:41 - 11:18	11:18 - 11:47	11:47 - 12:12	12:12-1:45	1:53 - 3:30
B (Tues & Thu)	8:00 - 9:33	9:41 - 11:18	11:18 - 11:47	11:47 - 12:12	12:12-1:45	1:53 - 3:30



## HIGH SCHOOL CURRICULUM GUIDE

Heritage Academy offers one scholastic diploma; all scholars are required to earn 26 credits and meet the requirements listed below for graduation. Additionally, scholars are encouraged to achieve excellence beyond the requirements for graduation. Those who go beyond the requirements for graduation may enroll in one or more honors classes. Scholars who plan on attending a 4-year college or university should pay particular attention to the requirements below. Those attending a junior college will also need to satisfy all the entrance requirements of the Arizona universities, either in high school or at the junior college level before advancing.

Heritage Academy Curriculum	General Graduation Requirements	Honors Classes Available	Dual Enrollment Courses	In-State University / College Competencies
ENGLISH	<b>4 credits</b>	4	4	<b>4 credits</b> (composition and literature based)
MATH	<b>4 credits</b>	2	4	<b>4 credits</b> 1 year each of: Algebra I, Geometry, Algebra II, and an advanced class where Algebra II is prerequisite
SCIENCE	<b>4 credits</b> Must complete 1 credit each of 3 different sciences. (Bio, Chemistry, Physics, Anatomy & Physiology)	4	3	<b>3 credits</b> 1 credit each of 3 different lab sciences selected from the following: Chemistry, Physics, or Biology, Earth Science
HISTORY	<b>3 credits</b> World His, Am His, Economics & Gov.	5	3	<b>2 credits</b> Am. Hist. and 1 other
FOREIGN LANG.	<b>2 credits</b>	2	4	<b>2 credits</b> 2 years of same language
FINE ARTS	<b>1 credits</b>	Teacher Approval		<b>1 credit</b>
PE	<b>1 credits</b>	Teacher Approval		
REQUIRED CORE COURSES	<b>19 credits</b>			<b>16</b>
ELECTIVE COURSES	<b>7 credits</b>	3	3	<b>4</b>
<b>TOTAL REQUIRED</b>	<b>26 credits</b>	<b>20</b>	<b>21</b>	<b>20</b>

All high school scholars are encouraged to expand and improve their talents. We encourage scholars to take an interest in and involve themselves in music, art, and sports. All scholars wishing to join the orchestra or choir will audition and be placed according to skill level. Classes are available from beginning to advanced levels.

Scholars are also encouraged to develop their physical abilities. Team sports will compete in the Charter Athletic Association. (CAA) For course descriptions please see descriptions as listed in the High School Curriculum guide below.

### HIGH SCHOOL COURSE ELECTIVES

Elective	Fee	Boys	Girls
Basketball	\$300	✓	✓
Baseball	\$150	✓	
Tackle Football	\$400	✓	
Soccer	\$150	✓	✓
Volleyball	\$150		✓
Softball	\$150		✓
Bowling	\$110	✓	✓
Band	\$10	✓	✓

Elective	Fee	Boys	Girls
Golf**	\$100	✓	✓
Club Fitness	\$30		✓
Dance or Ballet	\$25		✓
Tennis	\$75	✓	✓
Sr. Art	\$15	✓	✓
Digital Imaging	\$15	✓	✓
Adv Dig Imaging	\$15	✓	✓
Orchestra	\$10	✓	✓

Elective	Fee	Boys	Girls
Kenpo I-V	N/A	✓	✓
Fitness	N/A	✓	
Ballroom Dance I-III	N/A	✓	✓
Pilates	N/A	✓	✓
Weight Training	N/A	✓	✓
Physical Education	N/A	✓	✓
Swimming	\$175	✓	✓

## REQUIRED COURSES FOR GRADUATION

Listed below are the courses required of all scholars graduating from Heritage Academy. In addition to these required courses, scholars may take additional courses described in each department to achieve greater mastery and earn a certificate of distinction.

<u>Subject</u>	<u>Grade course is taken</u>	<u>Credits</u>
<b>History – (3 credits required)</b>		
World History	9 <sup>th</sup>	1
Hon American History (Dual Enrollment option)	10 <sup>th</sup> or 11 <sup>th</sup>	1
Hon Economics (Dual Enrollment option)	11 <sup>th</sup> or 12 <sup>th</sup>	.50
Hon Gov / US Constitution	12 <sup>th</sup>	.50
<b>English – (4 credits required)</b>		
9 <sup>th</sup> Grade English	9 <sup>th</sup>	1
10 <sup>th</sup> Grade English	10 <sup>th</sup>	1
British Literature / World Literature	11 <sup>th</sup> and/or 12 <sup>th</sup>	1
ENG 101 / ENG 102 (Dual Enrollment option)	11 <sup>th</sup> and/or 12 <sup>th</sup>	1
<b>Mathematics – (4 credits required)</b>		
Algebra I	9 <sup>th</sup>	1
Geometry	10 <sup>th</sup>	1
Algebra II	11 <sup>th</sup>	1
Pre-Calculus (Dual Enrollment option)	12 <sup>th</sup>	1
<b>Science – (4 credits required)</b>		
Conceptual Science	9 <sup>th</sup>	1
Biology (required)	10 <sup>th</sup>	1
Recommended Science Courses		
Chemistry (Dual Enrollment Option)	11 <sup>th</sup>	1
Physics (Dual Enrollment option)	11 <sup>th</sup> -12 <sup>th</sup>	1
Anatomy	11 <sup>th</sup> -12 <sup>th</sup>	1
<b>Foreign Language – 2 credits required</b>	9 <sup>th</sup> -12 <sup>th</sup>	2
**Must have 2 credits in the same language**		
<b>Fine Arts – 1 credits required</b>	9 <sup>th</sup> -12 <sup>th</sup>	1
<b>P.E./Health – 1 credits required</b>	9 <sup>th</sup> -12 <sup>th</sup>	1
<b>General Electives</b>	9 <sup>th</sup> -12 <sup>th</sup>	7

## RECOMMENDED HIGH SCHOOL COURSE SEQUENCE

9th Grade	10th Grade	11th Grade	12th Grade
9 <sup>th</sup> Grade Composition	American Literature I	British or World Lit	World or British Lit
Geometry	Algebra II	Pre-Calculus	Calculus
Conceptual Science	Biology	Chemistry	Physics
World History	Hon American History	American History	Government
1st Year Foreign Language	2nd Year Foreign Language		

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## HIGH SCHOOL REQUIRED CLASSICAL READING

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Grade	School Year Reading
9	<p><b>Math:</b> <i>Mathematicians are People 2, Vol. 1</i>, (Algebra I, Selections)</p> <p><b>American Literature I:</b> <i>The Crucible</i> by Arthur Miller, <i>Huckleberry Finn</i> by Mark Twain, <i>Shane</i> by Jack Schaefer, <i>Out of the Dust</i> by Karen Hesse, and <i>The Wave</i> by Todd Strasser</p> <p><b>History:</b> <i>The Law</i></p>
10	<p><b>Math:</b> Euclid, <i>Geometry</i> (Selections)</p> <p><b>American Literature II</b> - <i>The Scarlet Letter</i> by Nathaniel Hawthorne, <i>To Kill a Mockingbird</i> by Harper Lee, <i>Julius Caesar</i> by William Shakespeare, and <i>Tuesdays with Morrie</i> by Mitch Albom.</p>
11	<p><b>Math:</b> Nichomachus, <i>Arithmetic</i> (Algebra II, Selections)</p> <p><b>French:</b> <i>Le Petit Prince</i></p> <p><b>Brit Lit (Eng 11-12)</b> <i>The Time Machine</i>, <i>Pride and Prejudice</i>, <i>Dr. Jekyll and Mr. Hyde</i>, <i>Shakespeare</i>, <i>Ivanhoe</i>, <i>Pygmalion</i>, <i>The Screwtape Letters</i></p> <p><b>World Lit (Eng 11-12):</b> <i>The Odyssey</i>, <i>Les Miserables</i>, <i>The Count of Monte Cristo</i>, <i>Shakespeare</i>, <i>Hiroshima</i>, <i>A Doll's House</i>, <i>Cry the Beloved Country</i></p>
12	<p><b>Math:</b> Einstein, <i>Relativity</i>, <i>The Tao of Physics</i> (Pre-Cal/Calculus, Selections)</p> <p><b>History:</b> <i>Selections from Blackstone</i>, <i>Locke</i>, <i>Montesquieu</i>, <i>Federalist papers Nos. 10, 45, 80</i></p> <p><b>Brit Lit (Eng 11-12)</b> <i>The Time Machine</i>, <i>Pride and Prejudice</i>, <i>Dr. Jekyll and Mr. Hyde</i>, <i>Shakespeare</i>, <i>Ivanhoe</i>, <i>Pygmalion</i>, <i>The Screwtape Letters</i></p> <p><b>World Lit (Eng 11-12):</b> <i>The Odyssey</i>, <i>Les Miserables</i>, <i>The Count of Monte Cristo</i>, <i>Shakespeare</i>, <i>Hiroshima</i>, <i>A Doll's House</i>, <i>Cry the Beloved Country</i></p>

Many of these selections can be read during the summer, in preparation for school. We encourage parents to involve their children in summer reading of some of these books to increase their reading skills, to better prepare for school studies, and to lighten the load during the school year.

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## HIGH SCHOOL CLASS SCHEDULE - MESA CAMPUS

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### High School (9 - 12 Grades)

Day	Period 1	Period 2	Citizenship	HS Lunch	Period 3	Period 4
<b>A</b> (Mon & Wed)	8:00 - 9:33	9:41 - 11:18	11:18 - 11:43	11:43 - 12:12	12:12 - 1:45	1:53 - 3:30
<b>B</b> (Tues & Thu)	8:00 - 9:33	9:41 - 11:18	11:18 - 11:43	11:43 - 12:12	12:12 - 1:45	1:53 - 3:30

# COURSE OFFERINGS

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## ENGLISH

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### Subject area goals:

- To introduce scholars to a variety of literary works and instill in them a critical appreciation for great literature.
- To develop in scholars an ever-increasing proficiency in reading, analyzing, understanding and interpreting written works.
- To provide scholars with the skills necessary to express themselves in both written and oral communications.
- Scholars must complete 4 years of English.

### HONORS DISTINCTION

Scholars seeking honors Distinction in English must register for the honors class sections and meet the following requirements:

- Complete all English classes with a cumulative GPA of at least 3.5.
- Read at least TEN (10) classics from the Heritage Academy Classics List. Books assigned for class work do not count towards the 10. The books on the list marked with an (\*) will count towards this award. At least seven (7) out of the ten (10) need to be from the Literature category on the list.
- Meet with an English teacher for a discussion after each book is completed.
- Schedule a meeting with the English department in April of your senior year to discuss books and finalize distinction.

Note: The curriculum for Junior and Senior will alternate between British and World Literature. British Literature will be offered in the 2017-2018 calendar school year, with World Literature offered the following school year.

### 130 9TH GRADE ENGLISH

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This course will emphasize rhetoric and composition with a focus on understanding writing as a process. Writing projects will require scholars to engage in all parts of the writing process: planning, drafting, revising, and editing. Scholars will learn narrative, persuasive, and research-based writing and will strengthen their writing skills by completing several in-depth writing projects.

### 137 HON 9<sup>TH</sup> GRADE ENGLISH

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Accelerated 130 course scholars will be challenged to be more independent and be prepared to discuss the classics on a deeper level. Higher expectations and extra projects required.

**Prerequisite: Teacher approval**

### 131 10<sup>TH</sup> GRADE ENGLISH

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An integrated course focusing on authors/ poets in American Literature – from early American to twentieth century. Students will develop organizational and group skills through projects and presentations. Evaluating literary elements and developing reading strategies will be accomplished through an in-depth study of classic literature, such as Mark Twain, Nathaniel Hawthorne, and Harper Lee.

**Prerequisite: None**

### 167 HON 10<sup>TH</sup> GRADE ENGLISH

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Accelerated 131 course scholars will be challenged to be more independent and be prepared to discuss the classics on a deeper level. Higher expectations and extra projects required.

**Prerequisite: Teacher approval**

### 133 BRITISH LITERATURE

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An integrated language arts course focusing on a survey of British Literature studied in the context of the religious, social and political influences on the authors. Evaluation of literary elements and critical analysis through writing will be stressed as scholars study the following classics: *Ivanhoe* by Sir Walter Scott, *Pride and Prejudice* by Jane Austen, *Macbeth* by William Shakespeare, *The Time Machine* by H.G. Wells, *Dr. Jekyll and Mr. Hyde* by Robert Louis Stevenson, and *The Screwtape Letters* by C.S. Lewis.

**\*Offered every other year. (2017-2018)**

**Prerequisite: American and Heroes in Literature**

### 157 HONORS BRITISH LITERATURE

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Accelerated 133 course students will be challenged to be more independent and be prepared to discuss the classics on a deeper level.

**Offered every other year. (Current 2017-2018 year)**

**Prerequisite: Teacher approval**

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### **148 YEARBOOK/JOURNALISM**

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The course is designed to teach scholars the basic techniques of publication with computers, photography, layout, editing, graphic arts, writing and interviewing. The class will create and produce the yearbook.

**Prerequisite: Teacher Recommendation**

**This is a full year class where scholars have responsibilities to meet specific deadlines.**

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### **132 WORLD LITERATURE**

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This course integrates writing for a variety of audiences with a study of literature. Universal themes in literature are explored in the fiction, non-fiction, poetry, drama and short stories of many cultures and many eras. Composition emphasizes research skills, multi-paragraph exposition, critical analysis and thesis development and defense.

**\*Offered every other year. (2017-2018)**

**Prerequisite: American Literature**

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### **147 HONORS WORLD LITERATURE\***

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Accelerated 132 course scholars will be challenged to be more independent and be prepared to discuss the classics on a deeper level.

**\*Offered every other year. (2017-2018)**

**Prerequisite: Teacher recommendation**

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### **161 SCIENCE FICTION / FANTASY\*\***

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A study of Science fiction and fantasy designed to examine the social and political implications of the literature and the authors. Evaluation of literary elements, critical analysis, and creative writing will be included. Arizona State Standards will be met for 11th and 12th grades, including a research paper. The following books will be read: *Ender's Game* by Orson Scott Card, *I, Robot* by Isaac Asimov, *Steelheart* by Brandon Sanderson, and *A Wizard of Earth and Sea* by Ursula Le Guin. Short stories and poetry will be incorporated into the curriculum.

**\*\*The "Science Fiction/Fantasy" course is available to Juniors and Seniors, who may take this course to replace one semester of World Literature or British Literature. Sophomores can take this class IN ADDITION to their regular English class.**

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### **ENG101 FIRST-YEAR COMPOSITION**

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Emphasis is placed on rhetoric and composition with a focus on expository writing and understanding writing as a process. This course focuses on establishing effective college-level writing strategies through four or more writing projects comprising at least 3,000 words in total.

**Rio Salado College: 3 credits**

**Prerequisites: Junior or Senior with appropriate writing placement test score, or a grade of C or better in ENG091 or ESL097.**

**May be substituted for either World or British Literature**

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### **ENG102 SECOND-YEAR COMPOSITION**

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Emphasis is placed on rhetoric and composition with a focus on persuasive, research-based writing and understanding writing as a process. Scholars will develop advanced college-level writing strategies through three or more writing projects comprising at least 4,000 words in total.

**Rio Salado College: 3 credits**

**Prerequisites: Grade of C or better in ENG101**

**May be substituted for either World or British Literature**

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### **ENG 111 TECH & PROFESSIONAL WRITING**

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This course covers analyzing, planning, organizing, researching, and writing correspondence, reports, and presentations for specific work-related audiences, and includes integrating data and graphics into work-related documents and presentations.

**Rio Salado College: 3 credits**

**Prerequisites: ENG101 with a grade of C, or better.**

**May be substituted for either World or British Literature**

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### **ENH 110 INTRODUCTION TO LITERATURE**

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This course is an introduction to international literature through various forms of literary expression; e.g., poetry, drama, essay, biography, autobiography, short story, and novel. It provides a global overview of literature with special emphasis on diverse cultural contributions of women, African Americans, Asian Americans, Hispanic Americans, and Native Americans.

**Rio Salado College: 3 credits**

**Prerequisite: Junior or Senior with appropriate English Placement Test**

**May be substituted for either World or British Literature**



## FOREIGN LANGUAGES

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### Subject Area Goal:

- The scholar will competently use a foreign language for written and oral communication and demonstrate knowledge of appropriate cultural behaviors.
- Scholars must complete 2 years of studies in the same foreign language.

### HONORS DISTINCTION

Scholars must complete three years of the same foreign language with a minimum GPA of a 3.5.

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### 410 SPANISH I

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Introduces scholars to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares scholars to begin to read, write, speak and understand.

**Prerequisites: None**

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### 411 SPANISH II

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This course provides further refinement of the skills acquired in the first year. Level 1 skills are reviewed and new skills are added in the areas of reading, writing and speaking. Appropriate cultural components are studied.

**Prerequisites: Spanish I**

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### 411H HONORS SPANISH II

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This course provides further refinement of the skills acquired in the first year. Level 1 skills are reviewed and new skills are added in the areas of reading, writing and speaking at the college level. Appropriate cultural components are studied.

**Prerequisites: Spanish I**

**Dual Enrollment option with Rio Salado College**

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### 412 SPANISH III

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This elective is recommended for college bound scholars. It is required for distinction in Foreign Language. This course is taught mostly in Spanish and scholars will be required to speak, read, listen, and write in Spanish using correct grammar. Field trips and additional cultural activities will be a part of the curriculum. This course will include the reading and study of a classic in Spanish.

**Prerequisites: Spanish 1 & 2 or teacher approval**

**\*\*Course will be offered based off of student demand**

**Dual Enrollment option with Rio Salado College**

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### 420 FRENCH I

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Introduces scholars to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares scholars to begin to read, write, speak and understand.

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### 421 FRENCH II

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This course provides further refinement of the skills acquired in the first year. Level 1 skills are reviewed and new skills are added in the areas of reading, writing and speaking. Appropriate cultural components are studied.

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### 450 CHINESE I

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Introduces students to Chinese language and culture, Chinese I courses emphasize basic syntax, simple vocabulary, written characters, and spoken tones so that students can read, write, speak, and understand the language at a basic level.

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### 451 CHINESE II

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This course provides further refinement of the skills acquired in the first year. Level 1 skills are reviewed and new skills are added in the areas of reading, writing and speaking. Appropriate cultural components are studied.

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## HISTORY

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### Subject Area Goals:

- To instill into the minds and hearts of the scholars knowledge and respect for the ideals and values of the great men and women of history, including those who founded the American nation.
- Scholars will also prepare to be ready to provide selfless service to their country to assist in restoring America's greatness.
- Scholars must complete 3 years of history. Scholars must complete American History, World History, American Government/U.S. Constitution & Economics.

### HONORS DISTINCTION

Honors history courses will be taught inclusive of the regular history classes. Scholars will be challenged to apply the principles learned in class. In addition scholars will complete the study of a classic in the area of study chosen.

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### 043 WORLD HISTORY/GEOGRAPHY

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This course will begin with the Fertile Crescent down to the beginning of written history. Scholars will then study migrations, geography, cultures and peoples from ancient, medieval, and modern history. Scholars will learn to compare, contrast and analyze civilizations and cultures with their own and draw lessons from the past which will aid them in knowing what Americans must do to enjoy lasting peace, prosperity and freedom. This course will provide the opportunity for discussion, debate and argument among and between the scholars themselves concerning the great ideas and principles of history. Discussion will be guided by reading from great Classics such as The Law by Bastiat

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### 044 HON AMERICAN HISTORY I

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Having previously studied American History, including Arizona History and Economics in a sequential format, the high school scholars will now study it through the "eyes" of people who made significant contributions to the development of the nation. Ideas and concepts of government and human relations will be discussed and debated among and between the scholars. These discussions will be guided by reading selections from great classics such as Washington's Farewell, and A Tale of Two Cities, by Dickens.

**Dual Enrollment option with Rio Salado College**

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### 044B HON AMERICAN HISTORY II

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This one-semester course provides an overview of the major political, economic, and cultural themes shaping the United States from the Colonial period into the 21st century. Instead of tracking history chronologically through time, scholars will study history thematically, developing a more thorough understanding of *why* things happened in the United States, not just *when*. This approach will give scholars a deeper understanding of U.S. History while improving their skills in critical thinking, listening, group discussion, and historical writing. Limiting time in textbooks, scholars will spend most of their time researching original documents, participating in group discussions, and writing journal responses that evaluate the themes of the course.

**Prerequisite: 044 Hon American History**

**Teacher Approval Required**

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### 042 HON GOV / U.S. CONSTITUTION

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Scholars will experience their own freedom trail by studying the lessons learned from Jamestown in 1607 through the Constitution in 1787. They will become familiar with the people we call the Founding Fathers and the principles which helped change the direction of the world. Scholars will learn how the trials, efforts, failures and eventual triumphs of the Founders make them true American heroes.

This course also includes the study of the substance and meaning of the U.S. Constitution in its original form together with the amendments since added. The course emphasizes original intent by familiarizing scholars with the Founders' own words and explanations as to why each principle, phrase or sentence was included in the document. Departures from original intent and meaning will also be reviewed.

In conjunction with American Government this course will integrate the study of economics. Focus will be on the choices that individuals and societies make in the production, distribution and consumption of goods and services. Scholars will learn when these choices are made in an atmosphere of freedom, with a minimum of government involvement in the marketplace, prosperity results. **Dual Enrollment option with Rio Salado College.**

**Prerequisite: Hon American History & World History**

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## 045 CONSTITUTIONAL STUDIES

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This course is an elective class, which is open only to scholars by permission of the instructor. To be considered for this course, scholars must have scored well in prerequisite classes. Specific political issues will be researched and solutions developed based on correct principles. Scholars will come to know how returning to the Founders' original success formula may solve nearly every problem in America today. This class involves research into the variety of national & state constitutions.

Parliamentary procedure will be studied & practiced. Scholars will participate in a very intense simulated constitutional convention experience.

**Prerequisite: Hon Gov/US Constitution I**

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## 050 HON ECONOMICS

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This course will give the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics.

**Prerequisites: Junior or Seniors only**

**Dual Enrollment option with Grand Canyon University**

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## MATHEMATICS

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### Subject Area Goals:

- Scholars will learn to recognize, analyze and describe patterns and relationships in real numbers, algebraic functions, and geometric figures.
- Scholars will strengthen and deepen their number sense and their ability to organize their thoughts and use logic, both inductive and deductive to solve real world problems.
- Scholars must complete at least 4 years of math. Beginning with the class of 2013, all scholars must complete Algebra I, Geometry, Algebra II and either Pre-Calculus or Trigonometry.

### HONORS DISTINCTION

Math honor scholars may choose to take pre-calculus and calculus, with a cumulative GPA of 3.5. These classes will include a greater study of theory and practical application, in addition to the study of classics in mathematics and completion of a project based on that classic.

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## 630 ALGEBRA I

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Scholars enrolled in this course will learn problem solving approaches, thinking and algebraic skills necessary for future mathematics courses and other disciplines. It includes a study of real number systems, linear equations, linear inequalities, exponential functions, quadratic equations, and statistics. Scholars must show mastery of Algebra 1 before advancing to Geometry.

**Prerequisites: Pre-Algebra.**

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## 645 GEOMETRY

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This course will review and extend the skills and topics mastered in Algebra 1. It places emphasis on plane geometry and also includes some solid and coordinate geometry. The course provides scholars with the opportunity to improve their understanding of spatial relationships, develop inductive and deductive thinking skills, improve problem solving skills in geometric settings, relate algebra to geometry, and develop a deep understanding of ratio and proportion concepts. A protractor, compass, ruler, and scientific calculator are required. Scholars must show mastery of Geometry before advancing to Algebra II.

**Prerequisites: Algebra I. Requirements: Protractor, Ruler, Compass and Scientific Calculator.**

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## 650 ALGEBRA II

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This course will cover topics in advanced Algebra and Geometry. Scholars will further their understanding of linear functions, quadratic equations, matrices, logarithms, rational and radical equations, statistics, and series and sequences. Scholars will discuss and solve real-life applications of the studied topics. Algebra II will help prepare scholars for college math courses and for Pre-Calculus.

**Prerequisites: Algebra I. Requirements: Graphing Calculator**

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## 651 PRE-CALCULUS

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An in-depth review and cross-course integration of all the topics covered in high school mathematics occupy the beginning of this course. Scholars will study polynomial and rational functions, logarithms, matrices, sequences and series, and analytic geometry. This course includes an in-depth study of trigonometric functions, identities, and vectors. The difficulty of Pre-Calculus is similar to that of a college freshman or sophomore math course. Scholars who excel in mathematics or are preparing to pursue an

engineering or scientific degree in college are strongly encouraged to take this course. Successful completion of this course qualifies a student for a Math Distinction on his or her diploma. Graphing calculator required.

**Prerequisites:** Algebra II. **Requirements:** Graphing Calculator

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### 657 HON PRE-CALCULUS

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This pre-calculus course combines topics from college algebra and trigonometry in preparation for analytic geometry and calculus.

**Dual Enrollment option with Rio Salado College**

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### 670 CALCULUS

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In this course topics that were introduced in Pre-Calculus will be further defined. A definition of derivatives, integrals, three-dimensional coordinates, multi-variate systems, and alternate coordinate systems will be introduced and explored.

**Prerequisites:** Pre-Calculus.

**Requirements:** Graphing Calculator

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### 677 AP / HON CALCULUS

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Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral).

**Dual Enrollment option with Rio Salado College MAT221**

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### 619 MATH LAB

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Study lab for math; tutors are available to provide assistance.

## SCIENCE

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### Subject area goals:

- Scholars will discover the processes of the world around them and begin lifelong experiences in science.
- Scholars are required to take Conceptual Science, Biology plus two other science courses.
- College track scholars should have Biology, Chemistry and Physics.

### HONORS DISTINCTION

- Overall, scholars must have a 3.0 GPA or better
- Scholars must complete four science classes including four laboratory sciences (Biology, Chemistry, Physics, Anatomy, or AP Biology) with a B or better in each class for a distinction.
- One of these courses needs to be an Honors, AP, or a Dual Enrollment offering.
- Students wanting a distinction are required to take either the class Brief History of Time
- In addition, scholars must read a science classic and write a 1000 word paper. See the list of science classics or talk to a science teacher

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### 212 CONCEPTUAL SCIENCE

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This conglomerate course which was specially designed by teachers at Heritage to prepare Heritage scholars for high school and college-level science classes. A strand of scientific inquiry through the OHEC model weaves throughout the course.

Universal critical thinking and problem-solving strategies are also introduced and strengthened throughout the course. The Pre-Physics and Pre-Chemistry topics covered in this course are combined with Thermodynamics and Meteorology to form a foundation for better understanding of topics in Biology and Anatomy.

**Prerequisite:** None

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### 211 PHYSICAL SCIENCE

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This course is designed to emphasize physics and chemistry principles that will help the students in future science classes or vocational programs. These principles will be taught through the context of astronomy, meteorology, geology and oceanography. This course is intended to enhance the students' science foundation before taking on more intense lab courses such as Physics, Chemistry or Anatomy or vocational programs.

**Prerequisite:** Teacher invitation only.

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## 220 BIOLOGY

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Scholars explore movement of energy through biological systems, population dynamics, cell structure and how nutrients are used by the cell for life, bimolecular structures including lipids, proteins, sugars and DNA/RNA, genetics and heredity, evolution, classification, plants and comparative anatomy (dissections). Daily activities reinforce learning including frequent group presentations to assess learning (modeling in biology) to report findings and reflect learning. This course includes topics of human reproduction and evolution.

**Prerequisite: None**

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## 227 HON BIOLOGY

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Accelerated 220 course requirements taught through inquiry methods that expect scholars to take more control of their personal learning.

**Prerequisite: Teacher Recommendation**

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## 228 BIOTECHNOLOGY

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Introduction to biotechnology and its global impact on society. Covers application, laboratory techniques, limitations and internal economics benefits, risks, and legal and moral issues associated with biotechnology

**Prerequisite: Teacher Recommendation**

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## 222 AP BIOLOGY

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This course will qualify a student to sit for the College Board Advanced Placement test or Dual enroll through Grand Canyon University for Biology 181/181Lab credit. It is a vigorous course in introductory biology for majors. This course is a study of biological concepts emphasizing the interplay of structure and function, particularly at the molecular and cellular levels of organization. Cell components and their duties are investigated, as well as the locations of cellular functions within the cell. The importance of the cell membrane is studied, particularly its roles in controlling movement of ions and molecules and in energy production. The effect of genetic information on the cell is followed through the pathway from DNA to RNA to protein. Course content will also cover topic of evolution.

**Prerequisite: Students must have complete a year of biology and a year of chemistry.**

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## 230 CHEMISTRY

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Energy changes affect matter through both physical (thermal and interaction energies) and chemical (breaking and reforming bonds). Scholars learn nomenclature, balancing chemical equations, mathematical processes including conversions, density, heat capacity, mole equations, stoichiometry, and gas equations. The process of scientific discovery is explored through the history of the atomic theory development and the men and women important to this process. Topics in acids, bases, reaction rates, nuclear chemistry, and basic organic chemistry are explored. Daily activities, labs and lab reports, as well as modeling techniques of drawing what the particles and energy are doing are used to obtain not only hands-on but minds-on understanding.

**Prerequisite: Biology, Algebra 1**

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## 237 HON CHEMISTRY

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Course includes accelerated 230 Chemistry course requirements while going deeper into the history and scope of science in today's world.

**Prerequisite: Biology, Algebra 1 & teacher recommendation**

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## 215 HON ANATOMY & PHYSIOLOGY

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Scholars explore the form and function of the systems of the human body. This course begins with a review of the atom and biochemistry, the course progresses from biomolecules, to cells, tissues, organs, and organ systems. Emphasis is placed on learning the bones, muscles, and all of the major organs. Systems reviewed include the skeletal, muscular, nervous, digestive, circulatory, respiratory, endocrine, and reproductive. Scholars will also learn study techniques for success in college courses related to allied health and science. This course includes a unit on human reproduction and utilizes both artistic and real images of the human body. Dissection is a significant part of the learning process and several dissections are performed during the course.

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## 231 HON PHYSICS

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This course is algebra-based Physics with a study of Kinematics, the reasons for, laws of and patterns in the motion of things. Common misconceptions are unraveled as scholars learn how to articulate a new and improved perspective of the physical world. New vocabulary as well as old vocabulary used in



new ways helps scholars to communicate their findings in scientific inquiry activities. Forming and testing hypotheses by experimentation and analysis of the results are important parts of this process. Other components of Newton's mechanical universe are studied, including Momentum, Energy, Vectors, and Optics. Once scholars master the concepts of rectilinear motion, they are introduced to curves, satellites and orbits. A capstone unit on harmonic motion, waves, sound and light finishes this course of study.

**Prerequisite: Biology & Algebra II**

**Recommended for Seniors (12<sup>th</sup> grade)**

**Dual Enrollment option with Rio Salado College**

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### 235 A BRIEF HISTORY OF TIME

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In this cross curricula class scholars read, ponder and discuss the science classic A Brief History of Time by Stephen Hawking. This class generates more questions than answers. Prepares scholars to think deeply, ask great questions and make connections between the different aspects of their lives.

Grades are based off of participation in discussion, reflective journals and projects as assigned by the teacher.

**Prerequisite: Completion of 3 science classes.**

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### 236 INTRO TO ROBOTICS/S.T.E.A.M.

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Scholars will examine and discuss the influence of science-oriented classical thoughts (Nichomachus, Pascal, Descartes, Bacon, Newton, Franklin, Jefferson) on the experimentation and scientific discovery process. A series of hands-on experiments will be conducted with increasing amounts of scholar autonomy. Through these experiments, scholars will (1) follow another scientist's steps in logical order and analyze/improve/evaluate those steps and the results they produce; (2) create their own steps towards a given goal and analyze/improve/evaluate their own steps to see why the desired/predicted results were not achieved; (3) decide whether or not the actual results are more desirable than the desired/predicted ones; (4) design their own experiment and carry it out to produce a formal report of their discovery. During the experiments, scholars will use classic and contemporary technology for data collection and analysis. After the experiments, scholars will learn how to create a professional report of their experiments and findings.

**Prerequisite: Seniors only with teacher approval. Completion of at least 2 of the 3 required science classes.** A scholar that has not completed the third credit by the beginning of this class must be concurrently enrolled in their third science class.

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## COMPUTERS

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### 811 KEYBOARDING & COMPUTERS 1

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This class is an introduction to using computers for productivity in the academic environment. Keyboarding on the QWERTY keyboard requires practice time to become proficient at touch typing. Therefore, there are three components in the keyboarding class. First, typing practice is provided through a software as a service (Saas) environment. Typing lessons include teaching the layout of the modern qwerty keyboard, technique, and speed. Time is allocated so that each scholar is able to gain sufficient practice to know the keyboard well. Second, since typing happens in the context of a computer system, basic computer use is covered in lessons and practice. Students use the MS Windows operating system and become acquainted with basic file management, window operation, using network file systems, and launching and using application software. Focus is on MS Word. Third since understanding the principles of word processing in general is important, students are introduced to these concepts by using additional software such as LibreOffice. As students understand principles, they are more able to use available software whether it is Microsoft Word, Google Docs, or other. Pagination, margins, academic formats such as MLA, source citations, graphical image inclusion and placement, lists, bibliographies, and charting features are covered in order to prepare students to be able to create and modify further academic work required in English, History, and other classes. **Prerequisite: None**

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### 825 HON COMPUTER

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The computer 1 class is offered to student using an approved curriculum from the Rio Salado course number CIS 105. This is a survey class and covers a broad range of current information technologies. The goals of this course are to provide a broad set of technology introduction to scholars in order to pique their interest in pursuing something more specific in terms of technology as science, or technology as practice. Technology as science would include such disciplines as computer science, informatics, cybernetics Technology as practice includes work as

a computer systems administrator, building data networks, applying information systems to business systems. The Computer I class prepares students to follow either track as it is a survey course covering hardware, data networks, operating systems, and application programs. The focus is on the Microsoft Office Suite including MS-Word, PowerPoint, and Excel. Students are also exposed to cloud based applications including the Google Apps for Education. Scholars are also introduced to other operating systems (Linux) and virtualization. Scholars make use of the command line in Windows as well as BASH on Linux. Scholars are also introduced to web technologies write HTML, CSS and will be introduced to Javascript. The course also includes a brief introduction to relational data bases and how to use Microsoft Access.

**Prerequisite: 811 Computers Class or teacher recommendation**

**Dual Enrollment option with Rio Salado College CIS 105**

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### 830 COMPUTER PROGRAMMING I

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This is an introduction to programming. Work will include conceptual programming in addition to writing a LOT of code in the python programming language. The Python language allows one to focus on the work of breaking down problems and designing solutions. Python is used both as an interpreted language as well as a compiled system. Modern programming is done within the context of having access to documentation, tutorials, and access to social networks of computer programmers around the world so the Internet is heavily used. BASH programming will also be touched upon in order to see the basic concepts of flow control, logic, data types, etc. The JAVA programming language will also be considered, and compared with pyHonors JAVA will force a stronger object orientation of program design and will allow an expanded view of our conceptual problem solving. It is expected the scholars will learn problem solving skills and be able to adapt a solution to utilize whatever language is available, thus making a good starting point for further study and practice of computer programming.

**Prerequisite: 825 computer class**

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### 832 COMPUTER PROGRAMMING II

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This course would have a prerequisite of Introduction to programming (830) and computer I (811). The course work would focus on building real world applications. Student would be required to build a completely working system as a project for

the entire semester. The teacher/instructor would be available to guide the student, help select the scope of the student project, keep students on track and accountable, provide mentoring as needed. Applications would be development in current open source software stacks as approved by the teacher.

**Prerequisite: 825 & 830 computer classes or teacher recommendation**

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## FINE ARTS

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### 565 ART

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Senior Art has required art projects that give the student a foundation in the elements and principles of art. It also allows for projects of choice in which the student can explore different art media and art forms. Medias used are pencil, charcoal, pen and ink, scratch art, soft pastels, acrylic, watercolor, and block printing. Art history and culture are incorporated extensively.

**Prerequisite: None**

**Supplies Fee: \$20**

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## DRAMA / PERFORMANCE

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### DRAMA/PERFORMANCE DISTINCTION

“Drama Distinction” will be awarded to those graduating seniors who have completed the following requirements:

- 3 semesters of Drama classes, with at least one of those being Honors Drama
- No grade lower than A- in any drama class
- Participation in at least one school play; must audition for minimum of one musical
- Completion of at least one semester of Stage Craft class with no grade lower than A-.
- Reading of the book “Respect For Acting” by Uta Hagen, and a discussion with Mr. Helmbold about the book. Scholars may be asked to write an essay on various aspects of the book.

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### 534 DRAMA FUNDAMENTALS

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Included is a brief study of the history of theatre from the ancient Greeks through the Renaissance and contemporary theatre. One play by William Shakespeare may be read and studied each semester. Drama scholars will perform scenes and monologues, improvisation and pantomime. Focus will be given to the “actor’s instrument”, developing stage technique and basic performance skills.

**Prerequisite: None**

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### 537 HON DRAMA

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Honors Drama scholars will be challenged to excel in all facets of theater. Scholars will perform scenes and monologues from classic plays, and scholars might rehearse and perform in a full-length play. The craft of acting will be studied in depth. A classic film will be viewed and analyzed. A classic play may be studied during the semester.

**Prerequisite: Must be in 11<sup>th</sup> or 12<sup>th</sup> grade, with at least one semester of Drama Fundamentals with a grade of A- or better. Graduating seniors will have priority.**

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### 538 STAGE CRAFT

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This class will cover most aspects of the technical side of a stage production, including set design and construction, lighting, sound, backstage crew, curtain operation, stage management, etc.

**Prerequisite: High School students only**

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## ORCHESTRA/ BAND

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### 312 SYMPHONIA ORCHESTRA

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Symphony orchestra is a string ensemble. Students participating in this group are required to master their Symphony orchestra music to the best of their ability. Students in grade 9-12 may choose to audition for Regionals (auditions are held in January). There is a \$20 registration fee for this event. Members will perform four concerts throughout the school year. Festivals may be a part of this groups performance opportunities. Uniform required.

**Prerequisite: Audition required**

**Required Fee: \$10**

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### 315 CHAMBER ORCHESTRA

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Chamber orchestra is the top performing string ensemble. All participants are expected to master their Chamber orchestra music to the best of their ability. Students participating in this group are required to prepare and audition for Regionals (auditions are held in January). There is a \$20 registration fee for this event. Members will perform four concerts throughout the school year, as well as attend and perform at local festivals. Uniform required.

**Prerequisite: Audition required**

**Required Fee: \$10**

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### 320 CONCERT ORCHESTRA

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Concert orchestra is a string ensemble. Students participating in this group are required to master their Concert orchestra music to the best of their ability. Members will perform four concerts throughout the school year. Festivals may be a part of this groups performance opportunities. Uniform suggested.

**Prerequisite: Audition required**

**Required Fee: \$10**

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### 330 CONCERT BAND

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This is a band method course and is typically for 7-8th grade playing level. Students will continue to reinforce their fundamentals of playing a band instrument and perform 2 concerts each semester. Students should be prepared to meet the requirement to practice 30-45 minutes every day. It is highly recommended that every member of the band enroll in private lessons from a qualified music teacher.

**Prerequisite: Audition Required.**

**Required Fee: \$10**

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### 332 SYMPHOIC BAND

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This is a band method course and is typically for intermediate playing level. Students will continue to master the fundamentals of playing a band instrument, rehearse chosen performance pieces, and perform 2 concerts each semester. Students should be prepared to meet the requirement of practicing 30 – 45 minutes each day. It is recommended that every band member take private lessons from a qualified Instructor.

**Prerequisite: Audition Required.**

**Required Fee: \$10**

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### 333 ADVANCED JAZZ ENSEMBLE

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This ensemble will cover different jazz styles and jazz composers. Students will be presented opportunities for improvisation, solos and small group performances. This course is for the advanced playing level. Students should be prepared to meet the requirement of practicing 30 – 45 minutes each day. It is recommended that every member of the ensemble take private lessons from a qualified Instructor. This course will last the entire year.

**Prerequisite: Audition required**

**Required Fee: \$10**

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### 338 PIANO

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This course is designed for level 2+ piano students who wish to expand & further develop their piano skills. Time in class will be spent on keyboards, as well as musical notation and theory. Students will work individually and in small groups to master various piano techniques.

**Prerequisite: Audition Required.**

**Required Fee: \$25**

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### 334 ADVANCED PERFORMANCE ENSEMBLE

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This ensemble will cover different musical styles and genre. Top students will be presented unique performance opportunities including; solo, small group and orchestral performances. This course is for the advanced playing level. Students should be prepared to meet the requirement of practicing 30 – 45 minutes each day. It is recommended that every member of the ensemble take private lessons from a qualified Instructor. This course will last the entire year.

**Prerequisite: Audition Required.**

**Required Fee: \$10**

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## CHOIR

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### 343 JR HIGH WOMEN'S CHOIR

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Welcome to the choir program here at Heritage, we're thrilled to have you! This class will be a great introduction to the choir program here. Students will learn the basics of music theory and ear training, as well as the basics of singing, developing their instrument and learning to sing together. These choirs will sing in two part (SA) and three part (SSA) harmonies, part songs and rounds. With this choir we hope to build a love of music and develop the future singers of the choir program here at Heritage.

**Prerequisite: None**

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### 346 JR HIGH MEN'S CHOIR

---

Welcome to the choir program here at Heritage, we're thrilled to have you! This class will be a great introduction to the choir program here. Students will learn the basics of music theory and ear training, as well as the basics of singing, developing their instrument and learning to sing together. These choirs will sing in two part (TB) and three part (TTB) harmonies, part songs and rounds. With this choir we hope to build a love of music and develop the future singers of the choir program here at Heritage

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**Prerequisite: None**

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### 347 MENS'S CHORALE

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This introductory men's ensemble will be comprised of students from 8th grade and up who are mastering their skills as they move through the program. These groups will focus on musicianship and vocal technique skills. Ensembles will sing primarily 3 part (TTB) repertoire and will attend regional and state festivals. These students may also attend our Heritage Arts Retreat at the beginning of second semester to experience singing in mixed ensembles.

**Prerequisite: None**

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### 344 CONCERT CHOIR

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Is the backbone of the choir program at Heritage, the Concert Choir is the largest ensemble of mixed voices at the school. Exclusively for high school students, members must have at least a year of prior choral singing experience in order to participate. The choir performs SATB music of varied repertoire and tours annually in and out of the state. This ensemble consistently earns superior ratings at regional and state festivals and performs annually at the Mesa Temple Concert Series.

**Prerequisite: Audition Required**

**Regionals Fee Required.**

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### 349 ADVANCED WOMEN'S CHOIR

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Features 24 high school girls with at least a year of prior choral experience. This ensemble will continue to develop musical and vocal skills and will explore the varied tone colors at their disposal. The group will perform varied repertoire (SSA). This choir has attended local festivals and received superior ratings. They will accompany Concert Choir on tour.

**Prerequisite: Audition Required**

**Regionals Fee Required.**

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### 342 WOMEN'S CHORALE

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This introductory women's ensemble will be comprised of students from 8th grade and up who are mastering their skills as they move through the program. Women's Chorale will focus on musicianship and vocal technique skills. Ensembles will sing primarily 3 part (SSA) repertoire and will attend regional and state festivals. These students may also attend our Heritage Arts Retreat at the beginning of second semester to experience singing in mixed ensembles

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**Prerequisite: None**

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### **350 CHAMBER SINGERS**

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Is a select ensemble of 24 advanced high school singers at Heritage. This group performs a capella music from the Renaissance to today. Students are very independent, performing in caroling groups throughout the valley and attending additional concerts throughout the year. Chamber Singers tours with Concert Choir each year, as well as participates in the annual Northern Arizona University Jazz/Madrigal Festival in February. This class meets Monday-Thursday before school. Students must be in either Concert Choir or Advanced Women's in order to participate.  
**Prerequisite: Also Enrolled Concert or Adv. Women's**

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## **DANCE**

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### **501 BEGINNING DANCE**

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This is an introductory dance class. Students will explore technical foundations in a variety of approaches to dance. The comprehensive curriculum will encourage dance literacy as the students create, perform, respond and connect in the context of dance. Students will learn appropriate dance class etiquette. Specific dance attire required.  
**Enrollment open to both male and female students**  
**Prerequisite: None**  
**Performance Fee Required**

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### **502 INTERMEDIATE DANCE**

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The intermediate dance class builds on the fundamentals learned in beginning dance. Technique is advanced by challenging the student toward a greater level of clarity, detail and specificity. The comprehensive curriculum will encourage dance literacy. To achieve this students will create, perform, respond and connect in the context of dance and personal application. Appropriate dance class etiquette is expected and reinforced. Specific dance attire required.  
**Enrollment open to both male and female students**  
**Prerequisite: Two semesters of Beginning Dance and/or teacher approval**  
**Performance Fee Required**

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### **503 PRE ADVANCED DANCE**

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The advanced dance class emphasizes the development of artistic choice. Students will be introduced to advanced technique from a variety of approaches to dance. The comprehensive curriculum will encourage dance literacy. Students will create, perform, respond and connect in dance through personal application and working with other dancers. Students are expected to support and encourage appropriate dance class etiquette. Specific dance attire required.  
**Enrollment open to both male and female students**  
**Prerequisite: At least four semesters of Intermediate Dance and/or Teacher approval**  
**Performance Fee Required**

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### **504 ADVANCED DANCE (DANCE COMPANY)**

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The dance company class is by audition only. Students who are selected demonstrate advanced technical skills, a strong work ethic, a contributing and positive attitude and a passion for dance. Students will be challenged creatively and technically through a rigorous learning pace. Dance literacy is achieved through creating, performing, responding and connecting personally and globally. Dance Company provides the opportunity for service, leadership, performance and travel. Seniors in Dance Company have the option to apply for the "Distinction in Dance" award. Students are expected to be the highest example of dance class etiquette. Specific dance attire required.  
**Enrollment open to both male and female students**  
**Prerequisite: Teacher approval only**  
**Performance Fee Required**

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### **506 LE PREMIER BALLET (LEVEL I & II)**

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Le Premier Ballet (Level I) is for dancers who want to strengthen their foundational technique in ballet. This class will help dancers succeed in any form of dance they choose to pursue, including modern, jazz, hip hop, ballroom and theatrical dance. For students competing in sports or martial arts, ballet will create a strong base of flexibility, strength and control. Students will work on posture, turnout, extension and balance. The structure of the class will strictly follow the basic layout of classical ballet, starting with exercises at the ballet barre and leading into center work. Some class time will also be devoted to rehearsing for the end-of-semester dance concert.  
**Enrollment open to both male and female students**  
**Prerequisite: Teacher approval only**



## Performance Fee Required

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### DISTINCTION IN BALLROOM DANCE

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Attend five outside of Class Ballroom Dance Activities in one semester (instead of what is required in class). Write a four-page research paper on a Ballroom Dance related subject approved by teacher (instead of the one required in class). Teach three step patterns in one semester to the class under the observation of the teacher. Take four semesters of Ballroom with at least one of them being Ballroom II. Choreograph and perform a “solo” at the Ballroom Dance Showcase.

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### 525 BALLROOM DANCE

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This class is designed to introduce the student to the basics of several popular social dances: Waltz, Foxtrot, Tango, Swing, Cha-Cha, Salsa, and Merengue. The student will learn to both lead and follow the basics in each dance and will be tested on both. There is one written assignment, one outside class activity and one required performance. To enhance the social skills they are learning through dance, basic etiquette for social interaction will be covered.

**Prerequisite: None.**

**Performance fee may be required**

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### 526 BALLROOM DANCE II

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This class introduces the student to the basics of several popular social dances: New York Hustle, West Coast Swing, Night Club Two Step, Samba, Lindy Hop, Viennese Waltz, and Argentine Tango. The student will learn to both lead and follow the basics in each dance and will be tested on both. There is one written assignment, two outside class activities and one required performance. The pace and skill level will be higher than that of Ballroom I.

**Prerequisite: Teacher approval.**

**Performance Fee Required**

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### 727 BALLROOM DANCE III

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This class is an advanced ballroom class with a focus on technique and higher level dance patterns. It is for scholars with a serious interest in Ballroom Dance. Enrollment will be limited.

**Prerequisite: Audition Required.**

**Performance Fee Required**

## Subject Area Goals:

- Scholars will learn to enjoy and understand the importance of maintaining a physically active lifestyle.
- Scholars will improve physical skills, learn the associated rules and etiquette, and learn the importance of cooperation and teamwork.

**\* Some PE classes have fees that accompany them. ECA Tax credit money may be used to pay for PE class fees**

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### 701 KENPO I

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This course is the first step in the Duke Kenpo System. This system is structured from Mr. Duke's years of training in the martial arts of: Kenpo, Hakutsuru, Kobudo and Kali. The scholar is introduced to the protocol and discipline to foster respect and insure safety. The physical portion consists of learning basic skills including blocks, strikes and stances. These are then incorporated into eleven basic situational self- defense techniques designed to thwart common everyday attacks. The successful completion of a written and physical examination will earn the scholar a yellow belt.

**Prerequisite: None.**

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### 702 KENPO II

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This course is a continuation of the Kenpo 1 course with more emphasis placed on practical application of previous learned basic skills. Self-defense techniques are moved to a more physical level. Twenty-eight additional self- defense techniques are introduced, bringing the responsible number to thirty-nine. Scholars will be introduced to self- defense against grabs, hugs, locks, chokes, tackles, and basics of ground defense. The scholar must take two semesters to complete the course. Upon completion of this beginning course the scholar can earn orange and purple belts.

**Prerequisite: Successful completion of Kenpo 1.**

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### 703 KENPO III

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The scholar will be introduced to an additional twenty-three self- defense techniques against punches, kicks and combinations; bringing the responsible number to sixty-two. Additionally the concept of the “Technique line under stress” is introduced. The scholar must take two semesters to complete this intermediate course. The completed course can earn the scholar blue and green belts.

**Prerequisite: Successful completion of Kenpo I & II, Purple Belt; 9th grade & above with teacher approval.**



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#### 704 KENPO IV

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The scholar will be introduced to an additional eighteen self-defense techniques. The scholar will learn to defend against: club, knife, gun, and more intense ground defense techniques. This brings the responsible number to eighty. Scholars will begin to help assist in the instruction. Teaching ensures that the scholars are assimilating the information and brings forth leadership capabilities. To complete this course the scholar will need to take two semesters, be 16 years of age and pass a written, oral and physical exam. Upon completion of the course the scholar can earn the brown and black belts.

**Prerequisite: Successful completion of Kenpo 1-3, Green Belt; 10th grade and above with teacher approval.**

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#### 705 KENPO V

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The scholar will be introduced to the equation formula and eleven black belt extensions. He/she will learn additional techniques against the club, knife and ground defense. To complete this course the scholar will need to take two semesters, be 17 years of age and pass a written, oral and physical exam. Upon completion of the expert course the scholar can earn the rank of 1<sup>st</sup> Degree Black Belt.

**Prerequisite: Successful completion of Kenpo 1-4, Black Belt; 11th grade and above with teacher approval. No Fee.**

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#### 709 CLUB FITNESS

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This class offers an introduction to a variety of classes such as, Cardio Sculpt, Boot Camp, Hip Hop, Tae Box, Circuit, Step, Hi-Low, Ball, Yoga and Pilates. Classes will be held at the YMCA as well as at Heritage Academy.

**Required Fee: \$30**

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#### 711 PILATES

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Mat Pilates is a total body fitness program with a focus on developing strength through the core of the body. Results will include improved posture, increased lung capacity, and strong muscles. Emphasis on all around, complete fitness supports a variety of fitness goals, from building strength to increasing flexibility and coordination. Work will be performed on a mat with minimal simple resistance training equipment.

**Required Fee: None**

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#### 750 P.E.

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This class emphasizes physical fitness through a program involving individual or team exercises. This class is for those who have an interest in playing various sports. The class will focus primarily on volleyball, softball, soccer, and flag football.

**Prerequisite: None. No Fee.**

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#### 755 WEIGHT TRAINING

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This class offers scholars an opportunity to improve their strength and basic athletic conditioning. Scholars and teacher will work together to fit the individual's needs.

**Prerequisite: None. No Fee.**

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#### 760 SWIMMING

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This class offers scholars an opportunity to improve proficiency in the four competitive strokes: Butterfly, Backstroke, Breaststroke and Freestyle. During the **fall semester** the scholars will focus on athletic conditioning and the refinement of skills needed for competition. The scholars can compete for the Heritage Academy Team in the **CAA Swim Series Meets**. Sportsmanship and safety will be emphasized in the team environment. Try outs may be scheduled. The scholar must be able to swim the four competitive strokes and 300 yards nonstop. Flip turns at the wall and a block start are preferred skills. In the **spring semester** we continue conditioning and skill development with **optional** competitive opportunities. Instruction and practice will be focused on stroke correction, specialized drills, speed and endurance training. .

**Prerequisite: None. \$175 (non-refundable)**

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### INDIVIDUAL SPORTS

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The following are individual sports and may be taken for fun or to compete against other schools

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#### 751 BOWLING

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This class is designed to help scholars develop proper technique and form. Scholars may have opportunity to compete against other schools.

**Prerequisite: None**

**Required Fee: \$110 (non-refundable once the semester begins)**

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#### 753 TENNIS

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This class is for scholars interested in learning and improving their tennis skills. They will have an

opportunity to test their skills in competition. The top six scholars may compete against other schools and clubs.

**Prerequisite: None**  
**Required Fee: \$75.00**

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### 754 GOLF

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This class is for those with an interest in learning and improving their golf skills. Scholars will receive instruction and have an opportunity to test their skills. Lessons will be at the driving range and players will play every Friday on the golf course. The top five players may compete against other teams and schools.

**Prerequisite: None**  
**Required Fee: \$100 (non-refundable once the semester begins)**

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## TEAM SPORTS

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The following sports are team sports and participants will compete in the CAA against other charter schools. Those scholars enrolling in any of the following will be enrolled in the last hour team sports class. All participants in the –both recreation team and regular team sports classes will be charged the fee listed for each team sport to cover the cost of the facilities and referees.

*ECA Tax Credits* may be used to help cover sport class fee.

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### GIRL'S SCHEDULE

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The fall sports classes include volleyball and basketball. The spring classes include basketball, softball and soccer.

**Required Fee: Fees required (see course descriptions)**

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### BOY'S SCHEDULE

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The fall team sports classes include tackle football & basketball, and the spring classes include basketball, baseball and soccer.

**Required Fee: Fees required (see course descriptions)**

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### 752 BOYS BASKETBALL

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This class is planned for those scholars with a high level of interest and skill. The class provides training in fundamentals of basketball in addition to concepts of team play. Athletes will compete in the Charter Athletic Association (CAA) against other schools.

**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$300(Two-semester sport)**

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### 756 SOCCER

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This class is planned for those scholars with a high level of interest. This is a co-ed class; both boys and girls may participate. The class provides training in fundamentals of soccer, and prepares athletes for competition in the Charter Athletic Association

**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$150**

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### 757 BASEBALL

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This class is planned for those scholars with a high level of interest and skill. The class provides training in fundamentals of baseball in addition to concepts of team play. Athletes will compete in the Charter Athletic Association (CAA) against other schools.

**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$150**

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### 758 TACKLE FOOTBALL

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This class is planned for those scholars with a high level of interest and skill. Training will begin prior to the beginning of school; all interested scholars should contact a coach for full details. Athletes will compete in the Charter Athletic Association (CAA) and have an opportunity to compete against other teams and schools.

**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$400**

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### 761 GIRLS VOLLEYBALL

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This class is planned for those scholars with a high level of interest. The class provides training in fundamentals of volleyball, and prepares athletes for competition in the Charter Athletic Association.

**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$150**

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### 762 GIRLS BASKETBALL

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This class is planned for those scholars with a high level of interest. The class provides training in fundamentals of basketball, and prepares athletes for competition in the Charter Athletic Association  
**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$300 (Two-semester sport)**

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### **763 GIRLS SOFTBALL**

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This class is planned for those scholars with a high level of interest. The class provides training in fundamentals of softball, and prepares athletes for competition in the Charter Athletic Association  
**Prerequisite: Tryouts and Teacher approval**  
**Required Fee: \$150**

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## **GENERAL ELECTIVE COURSES**

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### **715 DRIVERS EDUCATION**

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This class covers the classroom portion of the driver's education and does not provide any behind the wheel training. This course is aimed at the development of knowledge, skills and attitude necessary for performing as a competent vehicle operator.  
**Prerequisite: Must be 15 years and seven months old by the completion of the course.**

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### **740 RELEASE TIME**

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This class is for those scholars who are leaving campus to attend a program of religious instruction.

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### **778 DIGITAL IMAGING**

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In this class scholars learn the basics of how to use a consumer digital camera, adjusting settings, importing digital images to a computer, manipulation of the image using Adobe Photoshop, preparing images for print, and email and web usage. The scholars learn how to share images through the creation and use of a weblog using Dreamweaver to create simple webpages.

Except for a very few days all photos must be taken outside of class time. Class time is used for preparing images for print and online viewing.  
**Requirements: \$25 and minimum of 3 megapixel camera**

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### **779 ADV. DIGITAL IMAGING**

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Accelerated 778 Digital Imaging  
**Prerequisite: Digital Imaging or teacher approval**  
**Requirements: \$25 Fee and minimum of 3 megapixel camera**

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### **719 GUN SAFETY**

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Gun safety course that teaches the core fundamentals of gun safety. Including how to properly handle, transport, store, and effectively use a gun in various situations and the laws associated with gun ownership.  
**Prerequisite: None**  
**Requirements: Student will be required to attend shooting range, at their own cost, throughout semester and for final exam.**

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### **HON COMMUNICATIONS**

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Theory and practice of communication skills in public, small group, and interpersonal settings. Includes study of the speech communication process.  
**Dual Enrollment option with Rio Salado College**  
**Prerequisite: None**

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### **GBS132 PERSONAL & FAMILY FINANCE**

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Principles and practices of personal and family financial planning, includes savings, budgeting, credit, buying versus renting and general principles of consumerism.  
**Dual Enrollment option through Rio Salado College**

## COLLEGE FAST TRACK PROGRAM – DUAL ENROLLMENT

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This program will enable Heritage scholars to earn college credits while attending Heritage Academy. Scholars and families will see the following benefits:

1. Save time
  2. Save money
  3. Eliminate duplicate classes
  4. Progress at the right speed
  5. Better prepared for college
  6. Credits transfer to college/university\*
- \*verify with college/university accepting credits

### What is Dual Enrollment?

Dual Enrollment is a program which enables scholars to earn college credit while attending high school. A Dual Enrollment course is a class currently taught at Heritage, which is now approved for college credit. Courses will be offered through partnerships with Rio Salado Community College and Grand Canyon University.

### Who can participate?

- Scholars enrolled at Heritage grades 9-12
- Must pass Reading Placement Test by Rio Salado Community College or score with a PSAT > 92, SAT > 929, or ACT > 21, or have meet or exceeds on AIMS testing
- 3.25 Cumulative High School GPA for Grand Canyon University Courses
- May need to take additional college placement exams depending on course(s)

### Is there financial assistance?

Yes, some tuition assistance is available based on need through Rio Salado Community College and Grand Canyon University.

Contact the Rio Salado Financial Aid Office at 480-517-8310 for additional information.

Contact Grand Canyon University at 602-639-6808 for additional information.

### How many credits can I earn?

That's up to you! An Associate's Degree typically requires 60 credits. If a scholar earns 15 credits per year for the four years in high school, an Associate Degree is achievable. This is a very aggressive goal, but more achievable by highly motivated scholars. Even taking a few college classes will give you a *fast start* into college.

### How Do I Get Started?

Assess your college interests and the subjects you would like to study. Also study the graduation requirements for Heritage Academy. With this information, make a plan for each year of high school. Once you have identified your courses, work with your advisor or teacher to register for either Rio Salado Community College or Grand Canyon University depending on the course. Make arrangements with Rio Salado Community College to take placement exams.

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## DUAL ENROLLMENT COURSE OFFERINGS

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### ENGLISH

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#### ENG101 FIRST-YEAR COMPOSITION

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Emphasis is placed on rhetoric and composition with a focus on expository writing and understanding writing as a process. This course focuses on establishing effective college-level writing strategies through four or more writing projects comprising at least 3,000 words in total.

**Rio Salado College: 3 credits**

**Prerequisites:** Junior or Senior with appropriate writing placement test score, or a grade of C or better in ENG091 or ESL097.

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#### ENG102 SECOND-YEAR COMPOSITION

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Emphasis is placed on rhetoric and composition with a focus on persuasive, research-based writing and understanding writing as a process. Scholars will develop advanced college-level writing strategies through three or more writing projects comprising at least 4,000 words in total.

**Rio Salado College: 3 credits**

**Prerequisites:** Grade of C or better in ENG101

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#### ENG 111 TECH & PROFESSIONAL WRITING

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This course covers analyzing, planning, organizing, researching, and writing correspondence, reports, and presentations for specific work-related audiences, and includes integrating data and graphics into work-related documents and presentations.

**Rio Salado College: 3 credits**

**Prerequisites:** ENG101 with a grade of C, or better.

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#### ENH 110 INTRODUCTION TO LITERATURE

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This course is an introduction to international literature through various forms of literary expression. It provides a global overview of literature with special emphasis on diverse cultural contributions of women, African Americans, Asian Americans, Hispanic Americans, and Native Americans.

**Rio Salado College: 3 credits**

**Prerequisite:** Junior or Senior with appropriate English Placement Test

### FOREIGN LANGUAGES

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#### SPA 101 – ELEMENTARY SPANISH I

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Basic grammar, pronunciation and vocabulary of the Spanish language. Includes the study of the Spanish-speaking cultures. Practice of listening, speaking, reading, and writing skills

**Rio Salado: 4 credits**

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#### SPA 102 ELEMENTARY SPANISH II

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Continued study of grammar and vocabulary of the Spanish language and study of the Spanish-speaking cultures. Emphasis on speaking, reading, and writing skills.

**Rio Salado: 4 credits**

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#### SPA 201 INTERMEDIATE SPANISH I

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Continued study of essential Spanish grammar and Spanish-speaking cultures. Continued practice and development of reading, writing, and speaking skills in Spanish. Emphasis on fluency and accuracy in spoken Spanish.

**Rio Salado: 4 credits**

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#### SPA 202 INTERMEDIATE SPANISH II

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Review of grammar, continued development of Spanish language skills with continued study of the Spanish-speaking cultures.

**Rio Salado: 4 credits**

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## MATHEMATICS

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### MAT152 COLLEGE ALGEBRA / FUNCTIONS

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Analysis and interpretation of the behavior and nature of functions including polynomial, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions; systems of equations, modeling and solving real world problems. Additional topics may include matrices, combinatorics, sequences and series, and conics.

**Rio Salado College: 4 credits**

**Prerequisites:** Grade of "B" or better in MAT120, or MAT121, or MAT122, or equivalent, or satisfactory score on District placement exam.

**Course Notes:** Scholars may receive credit for only one of the following: MAT150, MAT151, MAT152, or MAT187.

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### MAT182 PLANE TRIGONOMETRY

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A study of measures of angles, properties of graphs of trigonometric functions, fundamental identities, addition and half-angle formulas, inverse trigonometric functions, solutions of trigonometric equations, complex numbers and properties of triangle solution.

**Rio Salado College: 4 credits**

**Prerequisites:** Grade of "C" or better in MAT150, or MAT151, or MAT152, or equivalent, or concurrent registration in MAT150, or MAT151, MAT152, or satisfactory score on District placement exam.

**Requirements:** Graphing Calculator May receive credit for only one of the following: MAT182 or MAT187.

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### MAT 221 CALCULUS WITH ANALYTIC GEOMETRY I

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Course topics include: limits, continuity, differential and integral calculus of functions of one variable.

**Rio Salado College: 5 credits**

**Prerequisites:** Grade of "C" or better in [MAT182 and (MAT150, MAT151 or MAT152)], or MAT187, or appropriate Math placement test score. **Course Notes:** Scholars may receive credit for only one of the following: MAT220 or MAT221.

**Requirements:** Graphing Calculator

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### MAT 231 CALCULUS WITH ANALYTIC GEOMETRY II

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Techniques of integration for both proper and improper integrals with applications to the physical

and social sciences, elements of analytic geometry, and the analysis of sequences and series.

**Rio Salado College: 4 credits**

**Prerequisites:** Grade of "C" or better in MAT220, or MAT221, or equivalent. **Course Notes:** Student may receive credit for only one of the following: MAT230 or MAT231

**Requirements:** Graphing Calculator

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## SCIENCE

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### PHY 111 – GENERAL PHYSICS

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This is a rigorous course, and the content is similar to a general Physics class at the college level. The year starts with a fast-paced section on kinematics, vectors, Newton's laws of motion, momentum, work, energy, rotational motion, gravity, electricity, harmonic motion, waves, sound and light. If time permits, a brief introduction to special and general relativity may be added at the end of the course. A graphing calculator will be needed for graphical analysis and to aid in calculations. Course includes study of motion, energy, and properties of matter.

**Rio Salado College: 4 credits**

**Prerequisites:** MAT182, or MAT 187, or one year high school Trigonometry with a grade of C or better, or permission of Department or Division.

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### PHY 112 – GENERAL PHYSICS II

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Continuation of PHY 111. Study includes electricity, electromagnetism, and modern physics.

A graphing calculator will be needed for graphical analysis and to aid in calculations. Course includes study of motion, energy, and properties of matter.

**Rio Salado College: 4 credits**

**Prerequisites:** PHY with a C or better

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## HISTORY

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### HIS103 US HISTORY TO 1865

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Covers the political, economic, and social development of United States from the Pre-Columbian period through the end of the Civil War (1865).

**Rio Salado College: 3 credits**

**Prerequisites:** None

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### HIS104 US HISTORY TO PRESENT

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Course studies the political, economic, and social development of United States from 1865 to the present time.

**Rio Salado College: 3 credits**

**Prerequisites: None**

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### **ECN 220 INTRODUCAION TO ECONOMICS**

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The course covers microeconomic topics, macroeconomic topics, and international economics topics. Microeconomic topics include the nature and method of economics, supply and demand, utility, and supply and demand elasticities. Macroeconomic topics include the measurement of national output, factors that impact output, other means of measuring national wealth and economic well-being, unemployment, inflation, GDP accounting, and business cycles. While the focus of this course is primarily on the U.S. economy, some comparative economic analysis will be covered. In addition, select topics related to international trade and finance are introduced.

**University of Arizona**

**Prerequisites: Junior or Seniors only**

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## **COMPUTERS**

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### **CIS105 SURVEY OF COMPUTER INFORMATION SYSTEMS**

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This course is an overview of computer technology, concepts, terminology, and the role of computers in business and society. Discussion of social and ethical issues related to computers. Use of word processing, spreadsheet, database, and presentation software, uses of application software and the Internet for efficient and effective problem solving as well as exploration of relevant emerging technologies.

**Rio Salado College: 3 credits**

**Prerequisites: None.**

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## **GENERAL ELECTIVES**

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### **GBS132 PERSONAL & FAMILY FINANCE**

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Principles and practices of personal and family financial planning, includes savings, budgeting, credit, buying versus renting and general principles of consumerism.

**Rio Salado: 3 credits**

**Prerequisites: Completion of Algebra I with "C" or better**

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### **COM100 INTRO TO HUMAN COMMUNICATION**

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Theory and practice of communication skills in public, small group, and interpersonal settings. Includes study of the speech communication process.

**Rio Salado College: 3 credits**

**Prerequisite: None**