COURSE CATALOG

HERITAGE ACADEMY

Building America's Heroes, Together

CONTENTS

General Information 4
Registration process 4
Dual Enrollment 4
Course Scheduling 4
Schedule Change Process 5
Policies and procedures 5
Credits 5
Repeating a Course 5
Transferablity of Credits 6
Extracurricular Eligibility 6
7th and 8th grade education program 7
Recommended 7th and 8th grade Course Schedule 7
Jr. High Required Classical Reading List 7
Latin 7
Mathematics 8
Junior High Elective Courses 10
Junior High Course Electives 10
Jr. High Class Schedule – Mesa Campus 10
High School Curriculum Guide 11
High School Course Electives 11
Required courses for graduation 12
High School Required Classical Reading 12
HIgh School Class Schedule - Mesa Campus 13
Course Offerings 14
English 14
100 High School Skills class 14
130 9th Grade English 14
137 Hon 9th Grade English 14
131 10th Grade English 14
167 Hon 10th Grade English 14
145 11th/12th English 14
ENG 101 First-Year Composition 15
ENG 102 Second-Year Composition 15
ENG 111 Tech & Professional Writing 15
ENH 110 Introduction to Literature 15
Mathematics 15
630 Algebra I 15
645 Geometry 15
645i Integrated Geometry 15
650 Algebra II 15
657 Hon PRE-calculus 16
677 AP / Hon Calculus 16
659 Hon Statistics 16
MAT 231 Calculus With Analytic Geometry II 16
Science 16
213 Integrated Sciences 16
211 Hon Physical Science 16
227 Hon Biology 17
228 Hon Biotechnology I 17
222 AP Biology 17
230 Hon Chemistry I 17
215 Hon Anatomy & Physiology 17
231 Hon Physics 17
916 Psychology 18
History 18
HIS110/111 Hon World History/Geography 18
044 Hon U.S. History 18
042 Hon Gov / U.S. Constitution 18
045 Constitutional Studies 18
050 Hon Economics 18
World Languages 19
410 Spanish I 19
411 Spanish II 19
411H Honors Spanish II 19
412 Honors Spanish III 19
417 Honors Spanish IV 19
420 French I 19
421 French II 19

422H French III **19**
Fine Arts 19
565 Art **19**
778 Digital Imaging **20**
148 Yearbook/Journalism **20**
Drama / Performance 20
534 Drama **20**
537 Hon Drama **20**
533 Musical Theater **20**
538 Stagecraft **20**
Orchestra/ Band/ Piano 20
312 Sinfonia Orchestra **21**
315 Chamber Orchestra **21**
320 Concert Orchestra **21**
330 Concert Band **21**
332 Symphonic Band **21**
333 Advanced Jazz Ensemble **21**
337 Piano I **22**
338 Piano II **22**
Choir 22
343 Jr High Women's Choir **22**
346 Jr High Men's Choir **22**
353 Advanced Mixed Choir **22**
344 Concert Choir **22**
349 Advanced Women's Choir **22**
350 Chamber Singers **22**
Dance 23
Ballroom Distinction 23
501 Dance I Beginner **23**
502 Dance II Intermediate **23**
503 Dance III Advanced **23**
504 Dance IV (Dance Company) **23**
Ballroom Distinction 23
525 Ballroom Dance I **23**
526 Ballroom Dance II **23**
727 Ballroom Dance III **24**
Physical Education 24
701 Kenpo I **24**
702 Kenpo II **24**
703 Kenpo III **24**
704 Kenpo IV **24**
705 Kenpo V **24**
711 Pilates **24**
750 P.E. **25**
755 Weight Training **25**
751 Bowling **25**
753 Tennis **25**
754 Golf **25**
Team Sports 25
712 Cross Country **25**
744 Track **25**
752 Boys Basketball **25**
756 Soccer **25**
757 Baseball **25**
758 Tackle Football **25**
760 Swimming **26**
761 Girls Volleyball **26**
762 Girls Basketball **26**
763 Girls Softball **26**
Elective Courses 26
715 Drivers Education **26**
740 Release Time **26**
Com 100 Hon Communications **26**
GBS132 Personal & Family Finance **26**
619 Study Hall **26**
825 Hon Computers **26**
830 Computer Programming I **26**
College Fast Track Program – Dual Enrollment 28
Is there financial assistance? 28
Dual Enrollment Courses through Rio Salado 29

GENERAL INFORMATION

The *Heritage Academy* Course Catalog has been designed to provide course selection information for the following 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 following 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 to limited student requests and teacher availability. For this reason, it is important during the course selection period to make thoughtful selections to equalize course enrollments and minimize scheduling changes.

REGISTRATION PROCESS

Scholars will begin registration on campus beginning Second Semester.

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.

Course Fees:
For courses with an associated course fee, payment for both semesters is **due in full** no later than the first week of school.
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 made 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.

DUAL ENROLLMENT

Heritage Academy offers ambitious scholars the opportunity to concurrently enroll in college-level courses 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.

COURSE SCHEDULING

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 owed 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.

SCHEDULE CHANGE PROCESS

If a scholar meets one of the following conditions, then a **Course Schedule Change Request** form must be filled out. These forms are located outside the Vice Principals office.

- Seniors with graduation credit needs
- Incorrect course level placement (ex:7th grade scholar in a 10th grade English course)
- Missing a class in the schedule
- Medical reasons
- Unable to pay course fee(s)

POLICIES AND PROCEDURES

CREDITS

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 scholars who are on campus must be enrolled in a class; no scholar will be allowed to loiter at the school.

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	DE/Honors Points
90-100	A	4.0	90-100	A	5.0
80-89	B	3.0	80-89	B	4.0
70-79	C	2.0	70-79	C	3.0
60-69	D	0.0	60-69	D	0.0
Below 60	F	0.0	Below 60	F	0.0

REPEATING A COURSE

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 may not apply to seventh and eighth grade students.
In nearly every case, a student fails a class because of not doing the required work.

TRANSFERABLITY OF CREDITS

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

EXTRACURRICULAR ELIGIBILITY

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%) 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*

7TH AND 8TH GRADE EDUCATION PROGRAM

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 steppingstone to further success.

RECOMMENDED 7TH AND 8TH 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
Elective	Elective
Choir, Band, Orchestra or Piano	Choir, Band, Orchestra or Piano
Art, Dance, Drama, Fitness, Kenpo or Team Sports	Keyboarding (one semester required)

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, Orchestra or Piano	Elective
Art, Dance, Drama, Fitness, Kenpo or Team Sports	Art, Dance, Drama, Fitness, Kenpo or Team Sports

JR. HIGH REQUIRED CLASSICAL READING LIST

Grade	School Year Reading
7	**English**: *Lion, Witch, and the Wardrobe, A Christmas Carol, Tom Sawyer, Miracle Worker, Shakespeare*
8	**English**: *The Giver, Shakespeare, Call of the Wild, Animal Farm (Animal Farm is for Honors class only)*

LATIN

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

MATHEMATICS

Each student is placed in a math class based on the score of their entrance placement exam. At the beginning of the semester, 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:

GENERAL MATH

This is the 7th grade math class. The curriculum is based on the AZ state **7th 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.

Requirements: Scientific calculator

Textbook: McDougal Littell, *Math Course 2*

PRE-ALGEBRA

This course is for 7th and 8th grade scholars. The curriculum is based on the AZ state math standards for **both 7th and 8th 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.

Requirements: Scientific calculator

Textbook: McDougal Littell, *Pre-Algebra*

JUNIOR HIGH ELECTIVE COURSES

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 7th grade scholars** need to be enrolled in full year of either choir or instrumentals class; all **8th grade scholars** need to be enrolled in a minimum of one semester of art, choir, or instrumentals class. All scholars wishing to join orchestra or choir will audition with the teachers 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. Heritage Academy offers P.E. classes and competitive team sports which include after school programs.
Jr. High P.E. classes include: fitness, Kenpo, dance (fee required), 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 (fee required), 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' team sports include: flag football (fee required), basketball (fee required), baseball (fee required), soccer (fee required), tennis (fee required) and golf (fee required). Team sports will compete in the Canyon Athletic Association. (CAA) For course descriptions please see the Course Curriculum guide below.

JUNIOR HIGH COURSE ELECTIVES

Elective -Fee Required
Basketball
Golf
Flag Football
Soccer
Volleyball
Swimming
Cross County
Tennis
Dance

Elective -No Fee
Kenpo I-II
Fitness
Art
Choir
Band/Orchestra
Piano

Please see the current Course Fee Schedule on the Heritage Mesa website for specific fees.

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	9:40 - 11:17	11:22 - 11:45	11:49 - 12:11	12:16-1:49	1:56 - 3:30
B (Tues & Thu)	8:00 - 9:33	9:40 - 11:17	11:22 - 11:45	11:49 - 12:11	12:16-1:49	1:56 - 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. 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	In-State University / College Competencies
ENGLISH	**4 credits**	**4 credits** (composition and literature based)
MATH	**4 credits** 1 year each of Algebra I, Geometry, Algebra II, Pre-Calculus	**4 credits** 1 year each of: Algebra I, Geometry, Algebra II, and an advanced class where Algebra II is prerequisite
SCIENCE	**4 credits**	**3 credits** 1 credit each of 3 different lab sciences selected from the following: Chemistry, Physics, or Biology, Earth Science
HISTORY	**3 credits**	**2 credits** Am. Hist. and 1 other
WORLD LANG.	**2 credits** 2 years of the same language	**2 credits** 2 years of same language
FINE ARTS	**1 credits**	**1 credit**
PE	**1 credits**	
REQUIRED CORE COURSES	**19 credits**	**16**
ELECTIVE COURSES	**7 credits**	**4**
TOTAL REQUIRED	**26 credits**	**20**

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. For Elective Fees please see the current Course Fee Schedule on the website.

HIGH SCHOOL COURSE ELECTIVES

Electives		Electives		Electives		Electives
Basketball		Golf		Piano		DE Communications
Baseball		Club Fitness		Sr. Art		DE Personal Finance
Tackle Football		Cross Country		Digital Imaging		DE Psychology
Soccer		Tennis		Orchestra		Scholar Council
Volleyball		Weight Training		Band		Study Hall
Softball		Physical Education		Constitutional Studies (Jr & Sr. Only)		Yearbook
Swimming		Dance		Driver's Education		Release Time (Seminary)
Bowling		Ballroom Dance I-III		DE Computer Prgm		
Kenpo I-V		Pilates		DE Hon Computers		

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.

Subject	Grade course is taken	Credits
English – (4 credits required)		
9th Grade English	9th	1
10th Grade English	10th	1
11th/12th English	11th - 12th	1
ENG 101/ ENG 102 (Dual Enrollment Option)	11th - 12th	1
ENG 111/ ENH 110 (Dual Enrollment Option)	12th	1
Mathematics – (4 credits required)		
Algebra I	9th	1
Geometry	10th	1
Algebra II	11th	1
Pre-Calculus (Dual Enrollment Option)	11th - 12th	1
Hon Statistics (Dual Enrollment Option)	10th - 11th	1
AP Calculus (Dual Enrollment Option)	11th - 12th	1
Science – (4 credits required)		
Integrated Science	9th	1
Hon Biology (Dual Enrollment Option)	9th - 10th	1
Hon Chemistry I (Dual Enrollment Option)	10th - 12th	1
Hon Physics (Dual Enrollment option)	11th – 12th	1
Hon Anatomy/Physiology (Dual Enrollment option)	11th - 12th	1
Biotechnology (Dual Enrollment Option)	11th - 12th	1
AP Biology (Dual Enrollment Option)	11th - 12th	1
History – (3 credits required)		
Hon World History (Dual Enrollment Option)	10th	1
Hon American History (Dual Enrollment Option)	11th	1
Hon Economics (Dual Enrollment Option)	12th	.5
Hon Gov / US Constitution (Dual Enrollment Option)	12th	.5
World Language – 2 credits required **Must have 2 credits in the same language**	9th - 12th	2
Fine Arts – 1 credit required	9th-12th	1
P.E./Health – 1 credit required	9th-12th	1
General Electives	9th -12th	7

HIGH SCHOOL REQUIRED CLASSICAL READING

Grade	School Year Reading
9	**History:** *The Law*
	Literature I: *To Kill a Mockingbird by Harper Lee, The Hiding Place by Corrie ten Boom, Steelheart by Brandon Sanderson, The Chosen by Chaim Potok (Honors), Shakespeare*
10	**American Literature:** *The Adventures of Huckleberry Finn* by Mark Twain, *The Crucible* by Arthur Miller
11	**French**: *Le Petit Prince*
	11th/12th English: *The Time Machine, Pride and Prejudice, Dr. Jekyll and Mr. Hyde, Shakespeare, Ivanhoe, Pygmalion, The Screwtape Letters*
	11th/12th English: *The Odyssey, Les Miserables, The Count of Monte Cristo, Shakespeare, Hiroshima, A Doll's House, Cry the Beloved Country*
12	**History**: *The Making of America, Selections from Blackstone, Locke, Montesquieu, Federalist papers Nos. 10, 45, 80*
	11th/12th English: *The Time Machine, Pride and Prejudice, Dr. Jekyll and Mr. Hyde, Shakespeare, Ivanhoe, Pygmalion, The Screwtape Letters*
	11th/12th English: *The Odyssey, Les Miserables, The Count of Monte Cristo, Shakespeare, Hiroshima, A Doll's House, Cry the Beloved Country*

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.

HIGH SCHOOL CLASS SCHEDULE - MESA CAMPUS

High School (9 - 12 Grades)

Day	Period 1	Period 2	Citizenship	HS Lunch	Period 3	Period 4
A (Mon & Wed)	8:00 - 9:33	9:40 - 11:17	11:22 - 11:45	11:49 - 12:11	12:16-1:49	1:56 - 3:30
B (Tues & Thu)	8:00 - 9:33	9:40 - 11:17	11:22 - 11:45	11:49 - 12:11	12:16-1:49	1:56 - 3:30

COURSE OFFERINGS

ENGLISH

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 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 Reading List. Books assigned for class work do not count towards the 10. At least seven (7) out of the ten (10) need to be from the Literature category on the list. One of the selections must be a Shakespearian play. Another selection must be a capstone read (marked C 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.

100 HIGH SCHOOL SKILLS CLASS

This course focuses on improving writing and reading skills. The writing curriculum will focus on strategies for creating sound paragraphs, building basic arguments, and strengthening stylistic techniques. The reading curriculum will focus on fluency and comprehension skills. The goal of this course is to prepare scholars for successful integration into Heritage's high school English courses.
Prerequisite: Teacher recommendation and placement test only

130 9TH GRADE ENGLISH

An integrated language arts course focusing on a survey of world literature. Students will develop organizational and group skills through projects and presentations. 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.

137 HON 9TH GRADE ENGLISH

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

131 10TH GRADE ENGLISH

An integrated language arts 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 in-depth study of literature. Composition emphasizes research skills, multi-paragraph exposition, critical analysis, and thesis development and defense.

167 HON 10TH GRADE ENGLISH

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

145 11TH/12TH ENGLISH

An integrated language arts course focusing on literature studied in the context of the religious, social, and political influences on the authors. Students will develop organizational and group skills through projects and presentations. Composition emphasizes practical application, research skills, multi-paragraph exposition, critical analysis, and thesis development and defense.

ENG 101 FIRST-YEAR COMPOSITION

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

ENG 102 SECOND-YEAR COMPOSITION

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.
Prerequisites: Grade of C or better in ENG101
Rio Salado College: 3 credits

ENG 111 TECH & PROFESSIONAL WRITING

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**.**
Prerequisites: ENG101 with a grade of C, or better.
Rio Salado College: 3 credits

ENH 110 INTRODUCTION TO LITERATURE

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.
Prerequisite: Junior or Senior/ Rio Salado: 3 credits

MATHEMATICS

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. Algebra I, Geometry, Algebra II and Pre-Calculus.

HONORS DISTINCTION

- Take Calculus and earn an A or B.
- Create a poster for a math topic.
- 10 hours unpaid tutoring.
- Read and discuss an approved book with an advisor.

630 ALGEBRA I

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.

645 GEOMETRY

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.

645I INTEGRATED GEOMETRY

This course reinforces Algebra I topics and covers basic geometry concepts. A protractor, compass, ruler, and scientific calculator are required. Scholars must show mastery of Geometry before advancing to Algebra II.
Prerequisites: Algebra I. Teacher recommendation and placement test only.

650 ALGEBRA II

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

657 HON PRE-CALCULUS

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.
Prerequisites: Algebra II
Dual Enrollment option with Rio Salado College MAT152/MAT182

677 AP / HON CALCULUS

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).
Prerequisite: Hon Pre-Calculus
Dual Enrollment option with Rio Salado College MAT221

659 HON STATISTICS

AP/DE Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.
Prerequisites: Concurrent enrollment in Pre-Calculus or prior completion of Pre-Calculus
Dual Enrollment option with Rio Salado College: MAT206
Full year class, DE credit is earned in Spring Semester

MAT 231 CALCULUS WITH ANALYTIC GEOMETRY II

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.**
Heritage Course Number MAT231

SCIENCE

Subject area goals:

- Scholars will discover the processes of the world around them and begin lifelong experiences in science**.**
- 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 three 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.
- Scholars must read a science classic and write a 1000 word paper. See the list of science classics or talk to a science teacher

213 INTEGRATED SCIENCES

This introductory science course introduces critical thinking and problem-solving strategies. The scientific method is introduced and practiced along with scientific inquiry. Basic physical and earth sciences, thermodynamics, and meteorology principles prepare scholars for future science classes.

211 HON PHYSICAL SCIENCE

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.
Dual Enrollment with Rio Salado PHS120

227 HON BIOLOGY

Biology is the study of life. This accelerated course taught through the inquiry method that expects scholars to take control of their learning. Basic principles of basic cytology, genetics, botany, zoology, ecology, taxonomy, evolution, chemistry, and microbiology will be taught.
Prerequisite: Completion of Algebra I or Geometry with B Dual Enrollment with Rio Salado BIO100

228 HON BIOTECHNOLOGY I

An introductory course to the field of Biotechnology. Scholars learn laboratory techniques such as Standard Operating Procedures, Spectrophotometry, Micro-pipetting, DNA extraction, electrophoresis, PCR and Transformation. Topics include Biochemistry, Microbiology, DNA structure and function, Restriction enzymes, Forensics, Recombinant DNA, Proteomics, Bioinformatics, plus legal and ethical issues associated with the Biotechnology Industry.
Prerequisite: Chemistry
Dual Enrollment with U of A MCB101

222 AP BIOLOGY

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. Course content will also cover topic of evolution.
Prerequisite: Students must have completed a year of biology and a year of chemistry.
Dual Enrollment with Rio Salado BIO181

230 HON CHEMISTRY I

This accelerated course introduces the fundamentals of chemistry. 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 & teacher recommendation
Dual Enrollment with Rio Salado CHEM130/LL

215 HON ANATOMY & PHYSIOLOGY

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.
Dual Enrollment with Rio Salado BIO160

231 HON PHYSICS

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
Dual Enrollment option with Rio Salado College Rio Salado Course Number PHY111

916 PSYCHOLOGY

This course is an introductory survey of the scientific study of human behavior and cognitive functions, including developmental psychology, neuroscience, learning, personality, memory, perception, psychopathology, and social behavior.
Dual Enrollment option with Rio Salado College
Rio Salado Course Number PSY101

HISTORY

Subject Area Goals:

- To instill into the minds and hearts of the scholar's 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

- 3.6 GPA or better.
- Take DE World History.
- Take DE American History.
- Take Constitutional Studies if offered (1 sem.).
- Read and discuss an approved book with an advisor.

HIS110/111 HON WORLD HISTORY/GEOGRAPHY

Survey of the economic, social, cultural and political elements of world history.
Prerequisites: None
Dual Enrollment Option with Rio Salado HIS110/111

044 HON U.S. HISTORY

This course provides an overview of the major political, economic, and cultural themes shaping the United States from the Colonial period through the Civil War. Scholars will develop 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. Scholars will study original documents, participate in group discussions, and presentations.
Dual Enrollment with Rio Salado HIS103/104

042 HON GOV / U.S. CONSTITUTION

Scholars will experience their own freedom trail by studying the lessons learned from Jamestown in 1607 through the Constitution in 1787 and Bill of Rights in 1791. They will become familiar with Founding Fathers and the with the 27 principles of liberty, 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 and 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.
Prerequisite: Hon US History & World History
Dual Enrollment option with Rio Salado POS110

045 CONSTITUTIONAL STUDIES

This course in 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 principles of liberty. 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.
Juniors and Seniors Only

050 HON ECONOMICS

This course will give the students a broad understanding of micro and macroeconomics ranging from the viewpoint of the individual consumer and small business owner to the global economy. The course will study the law of supply and demand, principles of business success, entrepreneurship, innovation, government finances and influence on the economy, money and prices, inflation, and deflation cycles. The course relates ethics, freedom, history, and politics to the study of economics.
Prerequisites: Seniors only
Dual Enrollment with University of Arizona
AREC101

WORLD LANGUAGES

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

- Complete 3 years of the same foreign language
- Complete projects about History, Art, Literature, and Culture.

410 SPANISH I

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.

411 SPANISH II

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

411H HONORS SPANISH II

This accelerated course builds on the reading, writing, and speaking skills taught in Spanish I. It provides a challenging and college level approach to language study. Appropriate cultural components are studied.
Prerequisites: Spanish I
Dual Enrollment option with Rio Salado College

412 HONORS SPANISH III

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 on student demand**
Dual Enrollment option with Rio Salado College

417 HONORS SPANISH IV

This class is for fluent Spanish speakers and will be taught in Spanish. Spanish Literature and cultures will be analyzed and discussed. Vocabulary, grammar, and writing skills will be refined. This is the introductory course for native Spanish speakers.
Prerequisites: Spanish 3 for native English speakers
Dual Enrollment option with Rio Salado College

420 FRENCH I

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.

421 FRENCH II

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: French I
Dual Enrollment option with Rio Salado College

422H FRENCH III

This elective is recommended for college bound scholars. It is required for distinction in Foreign Language. This course is taught mostly in French and scholars will be required to speak, read, listen, and write in French 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 French.
Prerequisites: French II

FINE ARTS

565 ART

Senior Art requires art projects that provide 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.

778 DIGITAL IMAGING

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, email and web usage. Class time will be used to complete most of the assignments and preparing images for print. Some photographs must be taken outside of class.
Fee Required

148 YEARBOOK/JOURNALISM

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.

DRAMA / PERFORMANCE

DRAMA/PERFORMANCE DISTINCTION

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

- 3 semesters High School Drama, including Honors Drama.
- 1 semester Stagecraft.
- Earn A's in classes listed above.
- Audition and perform in one Heritage play or musical.

534 DRAMA

Drama Included is a brief study of the history of theatre from the ancient Greeks through the Renaissance and contemporary theatre. Drama scholars will perform a variety of acting exercises, monologues and scenes. Focus will be given to the "actor's instrument', developing acting technique and basic performance skills

537 HON DRAMA

Honors Drama scholars will be challenged to excel in theatre performance. Scholars will rehearse and perform a full-scale play in the Fall semester and a showcase performance comprised of various scenes in the spring semester. Some afterschool/weekend rehearsals and performances are required. Actors selected for this elite small ensemble include skilled, motivated, and self-disciplined performers.
Prerequisite: Must be in 10th, 11th or 12th grade and have a minimum of one semester of Drama or equivalent experience. Audition required. Auditions will be scheduled in April or May for the following year.

533 MUSICAL THEATER

Musical Theater Scholars will rehearse and perform musical theatre material including solos, small ensembles, and large ensembles. The class will include a brief study of the history of musical theatre and some vocal coaching. Scholars required to perform in a minimum of one performance to be held in early Spring.
Prerequisite: Must be in 8th, 9th or 10th grade and have at least one semester of Drama, or equivalent experience. Audition required.

538 STAGECRAFT

STAGECRAFT This class supports Heritage theatrical productions by providing technical support for a variety of events. This class will cover most aspects of the technical side of a stage production, including set design and construction, lighting, sound, backstage crew, and stage management. Some afterschool and weekend rehearsals may be required. **Prerequisite: High School students only**

STAGECRAFT DISTINCTION

• 3 semesters of Stagecraft classes with no grade lower than A in any stagecraft class
• Participation in at least two technical crews for two drama productions, with no grade lower than A
• Demonstrated advanced experience in one or more technical areas (such as lighting, sound, construction, stage crew, or stage management)
• Scholars will be asked to provide demonstrations in one or more technical theatre areas to instructors/and or class

ORCHESTRA/ BAND/ PIANO

ORCHESTRA DISTINCTION

- Participate in 3 years of Orchestra (1 as a Senior)
- Audition for Regional Orchestra twice.
- Perform a solo or duet at an evening concert.
- Serve on Orchestra Council one year.
- Provide 8 hours of orchestra service or TA for Orchestra

- Write 500 words on how you demonstrate stellar character.

BAND DISTINCTION

- Be an exemplary scholar in Band Class
- Perform in front of a group
- Attend another High School Band/ Jazz Performance. Write about it.
- Attend an additional Band performance. Write about it.
- Assist with Performance Set-up/Take down at least twice
- Optional -Conduct a musical piece during a performance

312 SINFONIA ORCHESTRA

This is an Intermediate-Advanced string only ensemble. The course will provide orchestra students the opportunity to further their study of traditional and contemporary string literature. It will involve more extensive outside school practice and performance preparations. Participation in area festivals and quarterly concerts is required. Students must be self-motivated and have a strong commitment to the ensemble. Private lessons recommended.
Prerequisite: Audition required
Uniform Required: Ladies - White blouse, black pants or skirt, black shoes. Gentleman: Black dress pants, white dress shirt, black shoes, and black bow tie.

315 CHAMBER ORCHESTRA

This is an advanced strings only ensemble. The course will focus on the great string literature of the Baroque, Classical, Romantic and Contemporary style periods and explore contemporary arrangements including pop and show tunes. It will involve rigorous outside practice and performance preparations including Regional auditions and participation, area Festivals, Tour, and quarterly concerts. Students must be self-motivated and have a strong commitment to the ensemble. Private Lessons highly recommended. This is a touring ensemble.
Prerequisite: Audition required
Full Year Commitment
Uniform Required: Same for all ensembles

320 CONCERT ORCHESTRA

This is a strings only ensemble. The course covers Intermediate orchestra skills including scales, bowings, technique, theory, and provides introduction to third position. Literature will include classical, fiddle, and pop tunes. Performance in quarterly concerts is required.
Prerequisite: Previous string orchestra experience required.
Uniform Required: Same for all ensembles

330 CONCERT BAND

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 enrolls in private lessons from a qualified music teacher.
Prerequisite: Audition Required.
Uniform Required: Same for all ensembles

332 SYMPHONIC BAND

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.
Uniform Required: Same for all ensembles

333 ADVANCED JAZZ ENSEMBLE

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. This is a touring ensemble.
Prerequisite: Audition required. Full Year Commitment
Uniform Required: Same for all ensembles

337 PIANO I

This course is designed for level 1 beginning 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.
Fee Required for High School

338 PIANO II

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
Fee Required for High School

CHOIR

CHOIR DISTINCTION

- In good standing of a choral ensemble for several semesters.
- Participation in state festivals i.e. Regional, All-State, All-State Jazz and Show Choir.
- Accruing choir service hours.
- Performance in outside choral organizations, voice lessons, etc.
- Performance in extra-curricular vocal activities i.e. school musical, national anthem solo, etc.

343 JR HIGH WOMEN'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 (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.

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.

353 ADVANCED MIXED CHOIR

This introductory mixed ensemble will be comprised of students from 8th grade and up who are mastering their skills as they move through the program. Advanced Mixed Choir will focus on musicianship and vocal technique skills. Ensembles will sing primarily three-part (SAT) repertoire. These students may also attend our Heritage Fine Arts Retreat at the beginning of second semester to experience singing in additional mixed ensembles.

344 CONCERT CHOIR

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. This is a touring ensemble.
Prerequisite: Audition Required
Regionals Fee Required

349 ADVANCED WOMEN'S CHOIR

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. This is a touring ensemble.
Prerequisite: Audition Required
Full Year Commitment
Regionals Fee Required

350 CHAMBER SINGERS

Is a select ensemble of 24 advanced high school singers at Heritage. This group performs a cappella 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. This is a touring ensemble.
Prerequisite: Also Enrolled Concert or Adv. Women's. Full Year Commitment

DANCE

BALLROOM DISTINCTION

- Project that reflects growing knowledge of dance.
- 1 page proposal of costumes, choreography, etc.
- Distinction Performance.

501 DANCE I BEGINNER

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.
Fee Required

502 DANCE II INTERMEDIATE

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.
Prerequisite: Two semesters of Beginning Dance and/or teacher approval
Fee Required

503 DANCE III ADVANCED

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.
Prerequisite: At least four semesters of Intermediate Dance and/or Teacher approval
Fee Required

504 DANCE IV (DANCE COMPANY)

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. This is a touring dance group.
Prerequisite: Teacher approval only
Fee Required

BALLROOM DISTINCTION

- 4 semesters Ballroom Dance.
- 3 Sessions in class instruction.
- 4 page typed research paper.
- 5 outside class dance activities.
- Choreograph and perform solo at showcase.

525 BALLROOM DANCE I

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.
Performance fee may be required

526 BALLROOM DANCE II

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.
Performance Fee Required

727 BALLROOM DANCE III

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. This is a touring ensemble.
Prerequisite: Audition Required.
Performance Fee Required

PHYSICAL EDUCATION

Subject Area Goals:

- Scholars will learn to 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.
- Scholars will learn CPR and basic first aid skills

701 KENPO I

This course is the first step in the Kenpo System. This system is structured from 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 ensure 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.

702 KENPO II

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 I.

703 KENPO III

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.

704 KENPO IV

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 I-III, Green Belt; 10th grade and above with teacher approval.

705 KENPO V

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 1st Degree Black Belt.
Prerequisite: Successful completion of Kenpo I-IV, Black Belt; 11th grade and above with teacher approval.

711 PILATES

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.

750 P.E.

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.

755 WEIGHT TRAINING

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.

751 BOWLING

This class is designed to help scholars develop proper technique and form.
Fee Required

753 TENNIS

This class is for scholars interested in learning and improving their tennis skills.
Fee Required

754 GOLF

Scholars will receive instruction and have an opportunity to test their skills.
Fee Required

TEAM SPORTS

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 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 cover fees

712 CROSS COUNTRY

This course is open to both junior high and high school scholars. Course will assist the scholar athlete in preparing and competing in Cross Country meets. Cross Country consists of longer distance races over varied running terrain and conditions. The athletes will improve their conditioning, endurance and overall health. Fall Sport.
Fee Required

744 TRACK

This course is open to both junior high and high school scholars. Course will assist the scholar athlete in preparing and competing in Track Meets. The athletes will improve their conditioning, endurance and overall health. Spring and After-school Sport.
Fee Required

752 BOYS BASKETBALL

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
Fee Required

756 SOCCER

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
Fee Required

757 BASEBALL

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
Fee Required

758 TACKLE FOOTBALL

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
Fee Required

760 SWIMMING

This class offers both junior high and high school scholars an opportunity to compete for Heritage Academy Mesa in the Charter Athletic Association Swim Meets. Scholars will focus on athletic conditioning and the refinement of skills needed for competition in the four competitive swim strokes: Butterfly, Backstroke, Breaststroke and Freestyle. Sportsmanship and safety will be emphasized during swim team practice and competition
Prerequisite: Tryouts and Teacher approval
Fee Required

761 GIRLS VOLLEYBALL

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
Fee Required

762 GIRLS BASKETBALL

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
Fee Required

763 GIRLS SOFTBALL

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
Fee Required

ELECTIVE COURSES

715 DRIVERS EDUCATION

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.

740 RELEASE TIME

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

COM 100 HON COMMUNICATIONS

Theory and practice of communication skills in public, small group, and interpersonal settings. Includes study of the speech communication.
Dual Enrollment option with Rio Salado College
Heritage Course Number COM100

GBS132 PERSONAL & FAMILY FINANCE

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
Heritage Course Number GPS132

619 STUDY HALL

This is a non-credit study hall course.

825 HON COMPUTERS

This is a survey class and covers a broad range of current information technologies. 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.
Dual Enrollment option with Rio Salado CIS 105

830 COMPUTER PROGRAMMING I

This is an introduction to programming in the Python programming language. Python is used both as an interpreted language as well as a compiled system. 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 Python. 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
Dual Enrollment with Rio Salado College CIS156

COLLEGE FAST TRACK PROGRAM – DUAL ENROLLMENT

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. Prepared for college
5. Earn credits for 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 University of Arizona.

Who can participate?

- Scholars enrolled at Heritage grades 9-12
- 9th and 10th graders must pass Reading Placement Test by Rio Salado Community College or score with a PSAT > 92, SAT > 929, or ACT > 21. Grades 11-12 can use qualifying GPA.
- 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

Contact the Heritage Academy's College Coach for additional information.

How many credits can I earn?

- That's up to you! An associate 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 achievable by highly motivated scholars. Even taking a few college classes will provide a *jump start* into college.
- Completing the general education block alone with a GPA of 2.5 or higher can grant you automatic admission to the in-state public universities.
- Scholars can earn up to three associate degrees (AA, AS, AGS)

How Do I Get Started?

Make a graduation plan with Heritage Academy's College Coach.

RIO SALADO COLLEGE
A **MARICOPA** COMMUNITY COLLEGE

HERITAGE ACADEMY - MESA
Dual Enrollment Course List

Admissions (new students only): PSAT-720; SAT-720; ACT-12; AzM2 ELA - Proficient or Highly Proficient; completion of a college placement exam; or 2.6 unweighted GPA for students who completed at least 2 years of high school coursework; Completion of EdReady College Reading Placement Assessment; **CTE/Occupational classes do not require admissions
For more information on each class, see the course catalog description listed above.

	Fall Semester				**Spring Semester**			
High School Course (Heritage Course #)	Rio Course Title	Rio Course ID	Section #	Credits	Rio Course Title	Rio Course ID	Section #	Credits
	Admissions, Placement or Prerequisite Needed				*Admissions, Placement or Prerequisite Needed*			
Digital Imaging (778)	^ • Introduction to Digital Photography	ART142		3	^ • Introduction to Digital Photography	ART142		3
Honors Biology (227)	◆ Biology Concepts	BIO100		4	BIO100 continues as yearlong class			
Biotechnology (228)	◆ Introduction to Biotechnology	BIO107		4	BIO107 continues as yearlong class			
Anatomy & Physiology (215)	^ ◆ Introduction to Human Anatomy and Physiology (lab included)	BIO160		4	BIO160 continues as a yearlong class			
AP Biology (228)	◆ General Biology I (lab included)	BIO181		4	BIO181 continues as yearlong class			
	Accuplacer NextGen Reading: 249+; ACT (Reading) 22+; SAT (Reading) 480+; 3.0 unweighted GPA for students who completed at least 2 years of high school coursework							
Chemistry (230)	^ ◆ Fundamental Chemistry and Lab	CHM130 CHM130LL		3 1	CHM130/130LL continues as a yearlong class			
	3.0 unweighted GPA for students who completed at least two years of high school coursework; *OR 3.0 unweighted GPA for students who completed at least **one year** of high school coursework **and** met Admissions requirements* **all students have met the prerequisites* **Note: Students must register for both CHM130 and CHM130LL to receive full credit.**							
Honors Computers (825)	• Survey of Computer Information Systems	CIS105		3	• Survey of Computer Information Systems	CIS105		3
	Admissions not required. Course does not have prerequisite.							
Computer Programming I (830)	• Python Programming: Level I	CIS156		3				
	Grade of "C" or better in CIS105							
Communication					^ • Introduction to Human Communication	COM100		3

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HERITAGE ACADEMY - MESA
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English 101/102	First-Year Composition	ENG101		3	First-Year Composition	ENG102		3
	Writeplacer: 5+; ACT (English): 18+; SAT (English) 460+; 2.6 unweighted GPA for students who completed at least 2 years of high school coursework; or COVID 19 exception EdReady English Placement score of 80+				*Grade of "C" or better in ENG101*			
Intro. To Literature (ENH110/111)	Introduction to Literature	ENH110		3	Technical and Professional Writing	ENG111		3
	**New students must meet admissions requirements*				***Grade of "C" or better in ENG101 or permission of instructor*			
Honors French II (421H)	^ Elementary French I	FRE101	**not approved yet**	4	^ Elementary French II	FRE102	**not approved yet**	4
	**New students must meet admissions requirements*				*Grade of C or better in FRE101*			
Personal Finance (GBS132)	• Personal and Family Financial Security	GBS132		3	• Personal and Family Financial Security	GBS132		3
Algebra II (650)	^ College Algebra/Functions	MAT151		4	MAT151 continues as yearlong class			
	Accuplacer NextGen AAF: 237+; ACT (Math): 22+; SAT(Math) 530+; or 3.0 unweighted GPA for students who completed at least 2 years of high school coursework. COVID 19 exception EdReady College Algebra Placement of 80+							
Honors Precalculus (657)	^ College Algebra/Functions	MAT187		3	MAT187 continues as yearlong class			
	Grade of "C" or better in MAT15+ or Accuplacer NextGen AAF: 263+							
AP Honors Statistics (659)					Elements of Statistics	MAT206		3
	Grade of "C" or better in MAT142, MAT151, MAT152, or MAT187; Accuplacer NextGen AAF: 263+; or permission of Rio Dept Chair							
AP Honors Calc I (677)	^ ◆ Calculus with Analytic Geometry I	MAT221		4	MAT221 continues as a yearlong class			
	Grade of "C" or better in [MAT182 & (MAT151 or MAT152)], or MAT187; Accuplacer NextGen AAF: 276+							
AP Honors Calc II (MAT231)	^ ◆ Calculus with Analytic Geometry II	MAT231		4	MAT231 continues as a yearlong class			
	Grade of "C" or better in MAT221 or Calc AB or BC score of 3 or higher							

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HERITAGE ACADEMY - MESA
Dual Enrollment Course List

Integrated Physical Science (231)	^ Introduction to Physics (lab included)	PHY101		4	PHY101 continues as a yearlong class				
	Grade of "C" or better in high school Trigonometry, MAT182, MAT187, MAT220 or MAT221; Accuplacer AAF: 276+; or permission of Rio Dept								
H. General Physics (PHY111)	^ General Physics I (lab included)	PHY111		4	PHY111 continues as a yearlong class				
	Grade of "C" or better in high school Trigonometry, MAT182, MAT187, MAT220 or MAT221; Accuplacer AAF: 276+; or permission of Rio Dept								
American Govt. & Politics (042)	• American National Government	POS110		3					
	**New students must meet admissions requirements*								
Psychology (916)	• Introduction to Psychology	PSY101	**not approved yet**	3	• Introduction to Psychology	PSY101	**not approved yet**	3	
Honors Spanish II 101/102 (411H)	^ Elementary Spanish I	SPA101		4	^ Elementary Spanish II	SPA102		4	
	**New students must meet admissions requirements*				*Grade of C or better in SPA101*				
H. Spanish 3 (412)	^ Intermediate Spanish I	SPA201		4	^ Intermediate Spanish II	SPA202		4	
	Grade of "C" or better in SPA102 or SPA111; 2 years of high school Spanish with a "C" or better; or permission of Rio Dept				*Grade of "C" or better in SPA201; 3 years of high school Spanish with a "C" or better; or permission of Rio Dept*				

Legend:

^ Lower classmen may be eligible for this course.

◆ Tuition is due in fall semester, but credit for full-year courses is awarded at the end of the spring semester.