

THE
Gregory School

*A Tradition of
Inspiring Excellence*

Upper School
Curriculum Guide
2022—2023

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GRADUATION REQUIREMENTS

At least 26 units of credit are required for graduation. Freshmen are required to take seven courses each semester. Sophomores, juniors and seniors are required to take a minimum of six courses each semester. Of these, at least five courses per semester must be academic for freshmen and sophomores, and at least four per semester must be academic for juniors and seniors. The following credits are required:

| Subject | Credits |
|--------------------|---|
| English | 4 (Required: English 1, English 2, English 3, English 4/AP English) |
| Fine Arts | 1 (at least 1 in grades 9-12) |
| Languages | 3 in the same language (at least 2 of that language in grades 9-12) |
| Mathematics | 4 (at least 3 in grades 9-12) |
| Physical Education | 1 (recommended in grade 9) |
| Science | 4 (must include 3 lab sciences) |
| Social Sciences | 4 (must include World Civilizations and U.S. History) |

Arizona universities require a GPA of 2.0 (on a 4.0 scale) in each subject area listed above, except Physical Education.

Faculty monitors progress when a student takes more than the minimum required load of six courses in any given year. Students may petition to take a course for which they do not have the required prerequisites.

Gregory School students have a **community service requirement** of ten hours per year for freshmen and sophomores, fifteen hours per year for juniors, and sixty hours per year for seniors as part of the Senior Internship. Students must complete this requirement before starting the next school year; community service hours completed in the summer may apply toward the previous school year or the upcoming school year. ([Community Service Verification Form](#))

2022-2023 UPPER SCHOOL CURRICULUM OUTLINE

| Ninth Grade Courses |
|--|
| <i>Freshmen must take seven courses per semester, in addition to the required first quarter Writing & Study Fundamentals course. Five of those courses must be from the list of required academic courses.</i> |
| Required Academic Courses: English 1 Math (placed by the department) Biology World Civilizations French, Latin, Mandarin or Spanish |
| Electives: Physical Education (recommended) One Elective Course Writing & Study Fundamentals (required for all freshmen during first quarter; followed by study halls in subsequent terms) |

| Tenth Grade Courses |
|--|
| <i>Sophomores must take at least six courses per semester. Five of those courses must be from the list of required academic courses.</i> |
| Required Academic Courses: English 2 Math (placed by the department) Chemistry Social Sciences* French, Latin, Mandarin or Spanish |
| One or two Elective Courses <i>*The full year of U.S. History required for graduation can be taken in grades 10-12.</i> |

| Eleventh Grade Courses |
|---|
| <i>Juniors must take at least six courses per semester. Four of those courses must be from the list of required academic courses. Five academic courses are recommended.</i> |
| Required Academic Courses: English 3 Math (placed by the department) Lab Science Social Sciences* French, Latin, Mandarin or Spanish (if requirement not yet met) |
| One or two Elective Courses <i>*The full year of U.S. History required for graduation can be taken in grades 10-12.</i> |

| Twelfth Grade Courses |
|---|
| <i>Seniors must take at least six courses per semester. Four of those courses must be from the list of required academic courses. Five academic courses are recommended.</i> |
| Required Academic Courses: English 4 or AP English Math (placed by the department) Science Social Sciences* French, Latin, Mandarin or Spanish (if requirement not yet met) |
| One or two Elective Courses <i>*The full year of U.S. History required for graduation can be taken in grades 10-12.</i> |

COURSE PLANNING

Petition to Waive Prerequisites

Students may petition to waive prerequisites for courses they wish to take. All prerequisites are listed in this guide. A petition form must be filled out by the student, signed by a parent, and given to a teacher who has taught the student in the department the desired course is offered. The teacher will approve or disapprove the petition, and give it to administration for a final decision. The Registrar will contact the student with the decision.

PE Exemption

A ninth grade student who has a consistent, significant commitment to one or more physical activities outside of school may be exempted from the P.E. requirement in order to 1) take six or more academic courses or 2) add a second elective to the required five academic courses and one other elective course. The student and a parent must write and sign a letter requesting the exemption.

Placement in Math Courses for Students New to the Upper School

The goal of math placement is that each student enrolls in the course that is most appropriate to his or her level of skill and knowledge upon enrollment. The math department, in consultation with the admission office and registrar, considers each new student's test scores and academic background to decide an appropriate starting level. New students will be contacted by a school official to schedule math placement exams.

Placement in Language Courses for Students New to the Upper School

The goal of language placement is that each student enrolls in the course that is most appropriate to his or her level of skill and knowledge upon enrollment. It is essential that every student have the necessary foundation for the level in which he or she will study in the upper school; finding the level that is the best fit for each student, both linguistically and developmentally, is one of our primary placement goals. New students will be contacted by a school official to schedule language placement exams after students select courses for the 2022-2023 academic year.

Study Hall

Upper School Study Hall Students assigned to a study hall are to attend study hall just as any scheduled course in the assigned study hall classroom. One or more study hall assignments are made if:

- a) a student has a grade point average below 3.0 for first quarter, first semester, third quarter, or second semester (courses taken at The Gregory School only)
- b) a student has one or more D's and/or F's for first quarter, first semester, third quarter, or second semester
- c) an administrator, faculty member, or parent requests the assignment
- d) a student has failed to meet an important obligation, i.e., Senior internship deadlines
- e) a student who has an incomplete grade at the start of the term

At the start of the year, all new upper school students, as well as returning students with a previous semester GPA below 3.0, are assigned to study hall for the first quarter. At the end of the first quarter, first semester, and third quarter, the above criteria are used to determine study hall assignments.

ACADEMIC PROCEDURES

Course Changes

Changes may be made after the start of classes only with permission of the administration and, if the student is a junior or senior, the Director of College Counseling.

In the upper school, the teachers of the course(s) dropped and added sign a course change form, and a parent signs.

Students may change courses during the first three weeks of the first semester with no withdrawal shown on the transcript.

After the three-week drop period, a student remains in a full-year course for the entire school year or a semester course for the entire semester, unless there are special circumstances.

Any time after the first three weeks of the first semester, a dropped upper school course shows on the transcript with a "W" for withdrawal. Courses dropped before the end of a semester receive no credit.

Under no circumstances is a student allowed to drop a class in the last two weeks of the semester.

Upper School Courses Taken During Middle School

Gregory School middle school students will receive credit for upper school courses they take during grades six through eight if they continue studying the next level in that department as an upper school student. The grade and credit for upper school classes will be added to the student's upper school transcript. It will be included in the ninth grade and cumulative GPAs.

When a student transfers from another school, The Gregory School acknowledges upper school credits earned during middle school, and those credits are counted toward graduation requirements as they were given at the school from which the student transferred. The grades and credits are not added to the Gregory School transcript. The transcript/report card is kept on file.

Upper School Transfer Credits

1. Courses taken by students who transfer to The Gregory School from other American secondary schools:

The Gregory School acknowledges credits issued from other schools, and those credits are counted toward graduation requirements as they were given at the school from which the student transferred. The course and grades are not added to the Gregory School transcript. The transcript from the previous school will be kept on file as part of the student's full transcript record.

2. [External \(non-TGS\) credits](#)

Students at The Gregory School must take each REQUIRED course at The Gregory School. Exceptions may be made for approved courses taken for acceleration. Students may also retake courses which they did not pass at The Gregory School for credit recovery upon approval by the administrative team.

The following policies pertain to courses that students take outside of The Gregory School while they are Gregory School upper school students.

External courses must be pre-approved by the administrative team. If necessary, the administrator will request a course description listing topics covered, texts used, and a grading scale for the course.

a. External courses for credit recovery

If a course is approved at another institution for credit recovery (i.e., the student did not earn credit in the course taken at The Gregory School), the student's grade for that approved course is accepted by The Gregory School. The student receives credit for the external course. The student must provide official documentation of the final grade in the course. The course and grade are not added to the TGS transcript. The separately earned transcript will be kept on file as part of the student's full transcript record. Proof of successful course completion must be provided to the Registrar prior to enrollment in the next level course.

A student that is approved by his/her current Mathematics teacher and the Mathematics Department to take the BYU online math course must do so in a "timely fashion." Since the BYU course currently takes a minimum of 4-months to complete, students must begin no later than mid-March of the passing academic school year to complete the course by the start of the following academic school year. When a student provides TGS with an official transcript of completion, they will be enrolled in the next Mathematics course offered in the current US Mathematics sequence, as determined by the Mathematics Department.

b. External courses for prerequisite acceleration

If a course that is a prerequisite for another The Gregory School course is approved and taken at another institution for acceleration, the student may be required to take The Gregory School exam for that course at the department's discretion. If so, a passing score must be earned on the exam for the student to receive credit for the course. The student must provide official documentation of the final grade in the course. The course and grade are not added to the TGS transcript. The separately earned transcript will be kept on file as part of the student's full transcript record. Proof of successful course completion must be provided to the Registrar prior to enrollment in the next level course.

If a course that is not a prerequisite for another The Gregory School course is approved and taken at another institution for acceleration, the student receives credit for the course. The student must provide official documentation of the final grade in the course. The course and grade are not added to the TGS transcript. The separately earned transcript will be kept on file as part of the student's full transcript record.

A student that is approved by his/her current Mathematics teacher and the Mathematics Department to take the BYU online math course must do so in a "timely fashion." Since the BYU course currently takes a minimum of 4-months to

complete, students must begin no later than mid-March of the passing academic school year to complete the course by the start of the following academic school year. When a student provides TGS with an official transcript of completion, they will be enrolled in the next Mathematics course offered in the current US Mathematics sequence, as determined by the Mathematics Department.

c. External courses for elective credit

If a course that is not a prerequisite for another The Gregory School course is approved and taken at another institution for personal enrichment, the elective credit for the course will be applied as determined by the administrative team. The student must provide official documentation of the final grade in the course. The course and grade are not added to the TGS transcript. The separately earned transcript will be kept on file as part of the student's full transcript record.

If a course that is not a prerequisite for another The Gregory School course is approved and taken at another institution as an Independent Study facilitated by a TGS Faculty member, the student receives credit for the course as determined by the administrative team. The student must provide official documentation of the final grade in the course. The course and grade are not added to the TGS transcript. The separately earned transcript will be kept on file as part of the student's full transcript record.

Upper School Independent Study Courses

An independent study proposal may be made by a student who has a strong academic record, a demonstrated capacity to work independently, and an unusual degree of scholarly interest in a course that is not available in The Gregory School curriculum. The student must be able to find a Gregory School faculty member willing to help design and supervise an independent study in that area of interest, and then submit a proposal to the Academic Committee for review.

The guidelines for independent studies are as follows:

1. Independent study courses are generally limited to one semester;
2. The student and the faculty member overseeing the independent study must submit a complete proposal to TGS Administration at least one month prior to the beginning of the independent study, unless there are extenuating circumstances;
3. A course available in the curriculum (even if not currently) may not be taken as an independent study;
4. There are two types of independent study courses: those which a student and faculty member develop together that are supervised by the teacher, and those where the faculty member is supervising a student working with an outside instructor on an approved course of study;
5. Normally, a faculty member may supervise only one independent study course in a semester;
6. All proposals are reviewed and accepted/rejected by TGS Administration.

The proposal from the student and teacher must include the following:

1. Name of the course;
2. Semester in which the course will be offered;
3. Rationale for the course, including personal statement of what the student hopes to gain;
4. A syllabus which describes the material covered, in sequence;
5. A list of meeting times, or a description of when meetings will occur;
6. A list of assignments/tests/presentations/projects with due dates;
7. A description of how student performance is assessed (with rubrics, if applicable), including the weight of each grading category;
8. Teacher Signature;
9. Student Signature.

After the student has provided all of the information above, the proposal is to TGS Administration.

ELL STUDENTS

ELL (English language learner) students are students born in non-English-speaking countries. Course requirements and grading policies are adjusted as follows:

1. For their first year in the U.S., ELL students take ESL in addition to English (exceptions may be made based on language proficiency). This is not graded Pass/Fail. After the first year, teachers may recommend additional ESL course work.
2. ELL students who have been in school in the United States for less than three years may be exempted from the

three-year foreign language requirement if they choose.

3. In courses other than English and Languages, ELL students are placed as appropriate and have the same graduation requirements as other Gregory School students.

ADVANCED PLACEMENT COURSES AT THE GREGORY SCHOOL

The Gregory School upper school curriculum values critical thinking, reading, and writing, which means that coursework emphasizes close reading, presentations, projects, and class discussions. While all Advanced Placement (AP) courses meet the criteria of the College Board AP Course Audit, Gregory School AP course curricula are designed to meet the school's broader educational goals.

Enrollment in AP courses is based on grades in prerequisite courses. No limit is specified as to the number of advanced placement courses a student can take. Up to fifteen advanced placement courses are offered (see list on next page), depending on demand. AP courses earn an extra weight of 0.5 in a student's GPA.

AP courses, being college-level courses, require significantly more out-of-class work than non-AP classes; students must take this into consideration when choosing courses. Some AP courses require additional labs, often meeting during zero hour.

All AP courses focus on the skills and preparation required to perform well on the AP exam, but do not necessarily emphasize specific test-taking strategies. Students who wish to take AP exams may need to attend additional test preparation sessions in order to perform well on the tests, which must sometimes occur outside of class time.

Any student may sit for an AP exam. Students can speak with teachers and/or the college counselor about whether taking the exam is an appropriate choice for them.

| AP SUBJECT | |
|------------------------------------|---------------------------------------|
| Biology | Physics 1 |
| Calculus AB | Physics 2 |
| Calculus BC | Physics C - Mechanics |
| Chemistry | Physics C - Electricity and Magnetism |
| Computer Science | Spanish Language and Culture |
| English Literature and Composition | Spanish Literature and Culture |
| French Language and Culture | Statistics |
| Latin | U.S. Government and Politics |
| | U.S. History |

To see which colleges award AP credit, please visit the College Board AP Credit Policy Search at <https://apstudents.collegeboard.org/getting-credit-placement/search-policies>.

2022-2023 COURSES

ENGLISH

Required:

English 1
English 2
English 3
English 4
AP English Literature &
Composition

Electives:

Writing & Study Fundamentals
The Art of the Short Story
The Art of Telling the Truth
Literary Ekphrasis
Beginning Journalism
Journalism Process 1
Journalism Process 2
Advanced Journalism
Beginning Yearbook
Advanced Yearbook

FINE ARTS

Intermediate Orchestra Strings
Intermediate Band
Advanced Band
Choir 3
Beginning Piano
Intermediate Piano
Beginning Guitar
Intermediate Guitar
AP Music Theory & Composition
Studio Art 1A/1B
Studio Art 2
Studio Art 3
Advanced Studio Art
Fiber & Textile Arts
Art History
Photography 1
Photography 2
Photography 3
Digital Design 1
Digital Design 2
Digital Design 3
Digital Design 4
Beginning Digital Animation
Beginning Digital Painting &
Illustration
Intermediate Digital Painting
Dance 1
Dance 2
Choreography Lab
Stagecraft A/B

Theater Production 1
Theater Production 2
Theater Design
Beginning Drama A/B
Intermediate Drama 1
Intermediate Drama 2
Advanced Drama

LANGUAGES

French 1
French 2
French 3
French 4
Francophone Identities
AP French Language & Culture
Latin 1
Latin 2
Latin 3
Latin 4
AP Latin
Mandarin 1A
Mandarin 1B
Mandarin 2
Mandarin 3
Spanish 1
Spanish 2
Spanish 3
Spanish 4
Topics in the Hispanic World
Conversations in the Hispanic
World
AP Spanish Language & Culture
AP Spanish Literature & Culture

MATHEMATICS

Algebra 1
Geometry
Advanced Geometry
Algebra 2
Algebra 2/Trigonometry
Precalculus
Advanced Precalculus
Elements of Calculus
Statistics
AP Statistics
AP Calculus AB
AP Calculus BC

PERSONAL DEVELOPMENT

Foundations: Ideas/
Design/Fabrication/Production

The Farmyard Classroom
Garden to Table
Junior College Seminar
Senior College Seminar
Physical Education
Yoga
Dance 1
Dance 2
Choreography Lab
Physical Conditioning for Athletes

SCIENCE

Lab Sciences:

Biology
Chemistry
Physics
Principles of Animal Science
Principles of Plant Science
Human Anatomy & Physiology
AP Biology
AP Chemistry
AP Physics 1
AP Physics 2
AP Physics C - Mechanics
AP Physics C - Electricity &
Magnetism
Intro to Engineering
Not Lab Sciences:
Computer Science A/B
Topics in Computer Science C/D
AP Computer Science
Technology Innovation: Design &
Build A/B

SOCIAL SCIENCES

Topics in World Civilizations
United States History
AP United States History
Greek History
Roman History
Native American & Indigenous
History
Public History
Global Social Issues
Global Youth Identities
AP U.S. Government & Politics
Microeconomics
Macroeconomics
Entrepreneurship
Psychology & Literature A/B
Psychology Through Film

COURSE OFFERINGS AND PREREQUISITES

All courses are offered for one full year except where noted. Credit is awarded at the end of each semester. Prerequisite grades are based on the second semester of the prerequisite course, if based on a year-long course.

| Course Types |
|--|
| Academic course required for graduation |
| Course required for graduation |
| Academic elective course |
| Performance/production based elective course |
| Elective |
| Non-credited elective course |

ENGLISH

English 1: Introduction to Discourse and Literary Analysis

English 1 provides students with an introduction to academic writing necessary for high school and college, including a study of grammar and usage, college level vocabulary, sentence and paragraph construction as well as essay writing. This course is a study of modern rhetoric, including descriptive, narrative, expository (including research), and persuasive forms of discourse. Students are also introduced to the principles of literary analysis as they read fiction, poetry, and creative nonfiction. Throughout the course, students learn to appreciate and analyze a wide range of texts, developing their own voices in the process.

Grade level: 9

Course type: Academic course required for graduation

Course number: 901

English 2: Survey of American Literature

English 2 builds upon students' ninth grade coursework in expository and argumentative writing and focuses on critical reading and thinking skills within an American literature-based curriculum. The end of the year goal for each student will be to evaluate a text, explore related thematic topics, demonstrate logic and organization in writing and speaking, and write clearly and coherently.

Grade level: 10

Course type: Academic course required for graduation

Course number: 902

English 3: Survey of World Literature

English 3 follows a Great Books curriculum that studies some of the high points of historical world literature. The first semester is devoted to Classical literature, with particular emphasis on Homer and Greek tragedy. The second semester focuses on Medieval and Renaissance literature, particularly Chaucer and Shakespeare. We also study foundational non-Western works such as "The Epic of Gilgamesh," "The Bhagavad Gita," and "The Rubaiyat" of Omar Khayyam. Every year, we will read the Shakespeare play being currently performed at the Utah Shakespeare Festival. The largest assignment in English 3 is the Junior Critical Paper, a long-term research paper which will close out the junior year.

Grade level: 11

Course type: Academic course required for graduation

Course number: 903

English 4: Survey of Contemporary Literature

English 4 builds upon the in-depth analytical skills exercised during the literary and junior critical paper units. Students continue to engage in scholarly discourse in a variety of ways to establish the necessary skills for a college English course. This course focuses on contemporary literature from diverse voices in order to allow students to explore different entry points for the conversations happening in their worlds and enhance their ability to critically read the world around them.

Grade level: 12

Course type: Academic course required for graduation

Course number: 904

AP English (Literature and Composition)

AP English is a writing-intensive, college-level course intended to prepare students to bypass the usual required college freshman English course by performing well on the AP English Literature and Composition examination. This course concentrates on advanced critical reading, writing, and analytical skills, examining a range of genres with an emphasis

on close examination of texts, interpretation, and writing about literature, including poetry, fiction, non-fiction, and drama. Students planning to take the AP examination have a chance in the spring to practice the test-taking skills needed for the exam. This course is taken in place of English 4.

Grade level: 12

Course type: Academic course required for graduation

Course number: 40

Prerequisite: B+ (87%) or better in English 3

Writing and Study Fundamentals

Writing and Study Fundamentals provides students with supplemental writing review in grammar, syntax, and punctuation as well as foundational study skills in annotating and note-taking. All lessons will be practiced in class and are intended to help students succeed in their other academic courses. The course is graded on a pass/fail basis.

Grade level: 9

Course type: Required course

Course number: 906

Course offered: First quarter elective

Creative Writing Seminar: The Art of the Short Story

The intermediate level of the creative writing program is open to ninth and tenth grade students who are interested in serious pursuit of the craft of writing. We will focus on the short story, both classical and contemporary. Students will be encouraged to read and write fiction in all genres and styles. We will study the technical elements of fine prose, with editing sessions and roundtable peer reading. At the end of every year and semester, we will create a portfolio of each student's best work. We will never run out of short stories to read and write, so you can take this class as often as you like!

Grade levels: 8-10

Course type: Academic elective course

Course number: 907

Creative Writing Seminar: The Art of Telling the Truth

"The least important things in a novel are its made-up parts, for true imagination lies not in plot invention but in the realization of actuality; the great writers specialize in reality. Thus, James Joyce's Ulysses, which triumphs in imagining the actual details of its hero's day-to-day existence, is without "interesting" characters and may be said to have no plot at all." - Peter Shaw

Memoir, autobiography and the "non-fiction novel" have surged in recent popularity in what seems an attempt to get back to recording reality. Whether it's an experience found in your kitchen, backyard, or a place you traveled to far away, whether it's a piece of personal or family history you can't forget, creative non-fiction offers exciting possibilities for writers. In this one semester class, students will explore the work and craft of diverse writers in the field (from personal essay to lyric essay to micro-memoir to documentary poetry), applying what they read to their own original work.

Grade levels: 11-12

Course type: Academic elective course

Course number: 908

Course offered: First semester elective

Creative Writing Seminar: Literary Ekphrasis

Ekphrasis (from Greek /'ekfrəsəs/) means creative work that examines, describes, or "speaks out of" another piece of art. This Creative Writing course takes the idea of ekphrasis as a starting place and follows its potential as a writerly practice. Students will examine multi-genre book-length and individual pieces of Ekphrastic writing, as well as the visual art that inspires it. Then, using these literary works as places of inquiry for the complex relationships between source and response and content and form, students will generate their own original writing based on other works of art. The course will involve frequent museum field trips, guest writers, and a final project.

Grade levels: 11-12

Course type: Academic elective course

Course number: 909

Course offered: Second semester elective

Journalism Program: The journalism program at The Gregory School is unique in that, unlike similar programs in many high schools, the publication of the school newspaper, *The Gregorian Chant*, is an integral part of the core curriculum. As such, the classes are examples of authentic assessment at its best. All enrolled students participate in the production of the school newspaper, and the program is structured to allow students who choose to repeat the class

over a span of years to sequentially ascend the various levels indicative of increased proficiency, competency, and leadership potential.

Currently, four levels are offered. Students may enroll in the program at any grade in the high school. Priority will be given to students already enrolled in the program. This course provides the opportunity for young journalists to develop their writing skills, find their public voices, and produce their own newspaper for the school community.

Beginning Journalism

The focus is on learning the basics of journalistic writing. Students are also introduced to the media and explore its role and function within the context of a democratic society. Class lessons taught by the faculty advisor and guest journalists, as well as workshops offered by the Advanced Journalism students, provide the context in which this course of study is conducted. Writing and editing news articles comprise much of the work completed by first year students, including “on the ground” reporting assignments, as students begin to hone their skills. By the second semester, students have begun their introduction to the LucidPress layout software, the application used for the production of the school newspaper.

Grade levels: First-year students, grades 9-12

Course type: Performance/production based elective course

Course number: 52

Journalism Process 1 and 2

Journalism Process 1 and 2 includes students who are now proficient writers, researchers, and interviewers. A serious commitment of time is also expected during copy editing and layout sessions. Round table discussions of current events and news analysis are a part of the class work completed by Journalism Process students. Competency is also measured in a student’s ability to utilize the publication software programs, engage in self-directed tasks, and actively participate as a full-fledged member of the newspaper reporting staff. Additionally, evaluation at this level involves assessment of the staff’s production of the newspaper and success at team-building tasks. Students who show superior initiative and promise at this level may ascend to the Advanced Journalism class.

Journalism Process 1: Story Development

Grade levels: Second-year students, grades 10-12

Course type: Performance/production based elective course

Course number: 53

Prerequisite: B (83%) or better in Introduction to Journalism or Beginning Journalism

Journalism Process 2: Publishing

Grade levels: Third-year students, grades 11-12

Course type: Performance/production based elective course

Course number: 54

Prerequisite: B (83%) or better in Journalism Fundamentals 1 or Journalism Process 1 or A- (90%) or better in English 3

Advanced Journalism

This class is for fourth year (and some exceptional third year) students. Students who pursue this option are expected to work at advanced levels in all areas of the class, and most likely hold senior editorships on the newspaper staff. Not only are students at this level experienced high school journalists, but they also demonstrate a depth and breadth of knowledge in the areas of page design, layout, copy editing, press law, scheduling, task management, and peer leadership. They direct each issue of the newspaper published by the class, manage the staff, and lead student workshops in class. Students at this level are evaluated in the fashion of many typical job performance reviews.

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 31

Prerequisite: B (83%) or better in Introduction to Journalism and A (93%) in one or two years of Journalism Fundamentals or Journalism Process

Beginning Yearbook

This yearbook class covers all aspects of creating the annual Gregory School yearbook, *The Summit*. The course introduces students to specific computer software, photography, layout and design, timelines, and deadlines. The time commitment to yearbook exceeds the scheduled class periods. Each member of the yearbook class is asked to be present at various school activities and sporting events for photography opportunities. Most of the yearbook’s computerized layouts are completed during open labs. This class is graded pass/fail.

Grade levels: 9-12

Course type: Performance/production based elective course

Course number: 23

Required: Camera (high resolution digital camera strongly recommended)

Advanced Yearbook (Second-, third-, and fourth- year staff members)

This course builds on the skills developed in Beginning Yearbook, emphasizing the improvement of visual design, photography, editing, and journalism. Staff members at this level may be asked to serve as editors, overseeing other staff members' work. Editors make the final decisions regarding layout, design, and theme of the book. This class is graded pass/fail.

Grade levels: 10-12

Course type: Performance/production based elective course

Course number: 24

Prerequisite: Beginning Yearbook

Required: Camera (high resolution digital camera strongly recommended)

FINE ARTS

Intermediate Orchestra Strings

Intermediate orchestra is designed for students in grades 6 -12 to play standard orchestral instruments (violin, viola, cello, or bass) in an ensemble setting. Students must have played their instruments for at least one year and should be able to read music at a rudimentary level. In most cases students provide their own instruments. This course is an extension of beginning orchestra. Students will continue to develop their instrumental skills throughout the course while playing selections from a variety of musical styles. Since musical selections vary from year to year, this course may be repeated. Students will have several performances throughout the school year. This course is performance-based and school concerts and other performances are included in the grading rubric.

Grade levels: 6-12

Course type: Performance/production based elective course

Course number: 269

Prerequisite: Beginning orchestra or at least one year of playing experience on violin, viola, cello, or bass

Required: Some after-school and weekend commitments

Intermediate Band

Intermediate Band is designed for students in grades 6 -12 to play standard wind or percussion instruments in an ensemble setting. Students must have played their instruments for at least one year and should be able to read music at a rudimentary level. In most cases students provide their own instruments. This course is an extension of beginning band. Students will continue to develop their instrumental skills throughout the course while playing selections from a variety of musical styles. Since musical selections vary from year to year, this course may be repeated. Students will have several performances throughout the school year. This course is performance-based and school concerts and other performances are included in the grading rubric.

Grade levels: 6-12

Course type: Performance/production based elective course

Course number: 97

Prerequisite: At least one year of instrumental experience, prior Beginning Band, or permission of the Instructor as determined through a short audition process.

Required: Some after-school and weekend commitments

Advanced Band

Advanced Band is for those students who are ready to perform more advanced music. Students must have had at least two years of previous experience playing a standard wind or percussion instrument, and they must have the recommendation and signed approval of the band teacher (unless they are currently in advanced band). An audition may be requested. Students will gain experience in playing more challenging and difficult music from a variety of musical genres. In most cases students will need to provide their own instrument. The students are encouraged to audition for the Arizona Regional Festival as well as solo and ensemble festival (participation is voluntary). This course is performance-based; participation in all on-campus performances is mandatory, and performances are included in the grading rubric.

Grade levels: 9-12 (grades 7 and 8 by audition)

Course type: Performance/production based elective course

Course number: 98

Course offered: Zero hour twice per week

Prerequisite: Two years band experience or private study AND recommendation and approval of the band teacher

Choir 3

Emphasis in Choir 3 is on the performance of high-quality music, training in the skills of choral singing, solo singing, music theory and literacy, and ear and sight-reading skills. The course is performance-based; participation in both on-campus and off-campus performances is required and included in the grading rubric. Music ranges from sacred to secular, from Renaissance to Broadway, including pieces sung in languages other than English. Eighth grade singers are encouraged to audition for the state choir festival, and singers in grades 9-12 are encouraged to audition for the Arizona Regional Choral Festival, and the choir will most likely participate in at least one other choral festival. Choir 3 will perform pieces on their own and pieces with Choir 1 and Choir 2 (singers in grades 5-8). Some after-school and/or weekend commitments (performances) are required; details to be determined at a later date.

Grade levels: 8-12

Course type: Performance/production based elective course

Course number: 265

Required: Some after-school and weekend commitments

Beginning Piano

Beginning Piano is designed for students in grades 6-12 with little to no piano and/or music experience. Time will be split between developing musicianship: the rudiments of music construction, proper technique for playing the piano, the ability to perform alone and with others, and proper practice techniques and discipline. Students will work on musicianship skills through in class activities and online music theory resources. A commitment to consistent practice either at school or at home and performances in class and at music concerts are required.

By the end of the year students should be proficient in: understanding of fundamental music theory concepts, performing scales with both hands simultaneously at an appropriate tempo, playing with rhythmic accuracy, developing Independence of hands and fingers, performing by themselves and with other students, learning a new piece of music on their own.

Grade levels: 6-12

Course type: Performance/production based elective course

Course number: 267

Required: Some after-school and weekend commitments

Course note: Having an appropriate piano (digital or acoustic) at home to practice is crucial for success in completing this course. The instructor can assist families in finding an instrument for purchase or rent.

Intermediate Piano

Intermediate Piano is designed for students who have had previous piano and/or music experience. The ideal candidate for this class should: be able to identify all notes on the treble and bass clefs, be familiar with playing scales and some arpeggios, have an appropriate level of rhythmic accuracy, have an appropriate knowledge of rudimentary musicianship terms and concepts. Students in Intermediate Piano will cover intermediate level musicianship and piano literature. Commitment to a disciplined practice routine and performances in class and in music concerts are required. Intermediate level skills and concepts include (but are not limited to): all major scales, introduction to minor scales and jazz scales; all chords (major, minor, diminished, and seventh chords). Students will perform on their own and with other students in class at evening concerts throughout the school year. Opportunities for performances outside of school may also be available.

Grade levels: 6-12

Course type: Performance/production based elective course

Course number: 268

Prerequisite: Permission of the instructor as determined through a short audition/interview process.

Required: Some after-school and weekend commitments

Course note: Having an appropriate piano (digital or acoustic) at home to practice is crucial for success in completing this course. The instructor can assist families in finding an instrument for purchase or rent.

Beginning Guitar

Open to all middle and upper school students, this course is intended as an introduction to the acoustic classical guitar, with an emphasis on the basic techniques required to read and perform music. The course will also introduce common music notation and standard music theory, including rhythm concepts, music reading, tuning and performance of simple tunes and songs. Live solo and group performances are a part of the class expectations and grading rubric. No previous musical experience is required, and instruments for the class will be provided.

Grade levels: 6-12

Course type: Performance/production based elective course

Course number: 76

Required: Some after-school and weekend commitments

Intermediate Guitar

Open to middle and upper school students, this course will build and develop classical acoustic guitar skills and concepts introduced in the beginning course. There will be emphasis on performing in mixed groups using contemporary performance techniques, standard music notation and a broad range of music styles common to the guitar. Live solo and group performances are a part of the class expectations and grading rubric.

Grade levels: 6-12

Course type: Performance/production based elective course

Course number: 77

Prerequisite: Beginning Guitar or permission of the instructor as determined through a short audition process

Required: Some after-school and weekend commitments

AP Music Theory and Composition

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory and aural skills coursework. Students learn to recognize, understand, describe, and produce the basic elements and processes of performed and notated music. Course content extends from the fundamentals of pitch, rhythm, timbre, and expression to concepts of harmonic function, phrase relationships, and tonicization. Students study these concepts in heard and notated music, with emphasis on identification and analysis of musical features, relationships, and procedures in full musical contexts. Repertoire for analysis on the AP Music Theory Exam ranges from European Baroque pieces to folk and popular music from across the globe. Students develop musicianship skills through melodic and harmonic dictation, sight singing, and error detection exercises. Writing exercises further emphasize the foundational harmonic and voice leading procedures of Western art music.

Grade levels: 9-12

Course type: Academic elective course

Course number: 194

Prerequisite: Music experience (playing an instrument, singing in a choir), strong music reading skills.

Studio Art 1A/Studio Art 1B

Beginning Art 1A and 1B are individual one-semester courses; students may take one or both. The entire year develops visual literacy, creative thinking and an individual approach to concepts presented. During the first-semester course, students learn and apply the elements and principles of art and design using a variety of two-dimensional media techniques. Drawing and design skills and techniques are emphasized. During the second semester, students may also apply elements and principles to three-dimensional compositions. Sculptural media such as wood, wire, foam core, found objects, papier mache, and polymer clay may be used to create original sculptures of various dimensions. Work for both semesters is assessed on demonstration of concept understanding, creativity, composition, craftsmanship, and communication skills.

Grade levels: 9-12

Course type: Performance/production based elective course

Course numbers: Studio Art 1A - 120/Studio Art 1B - 121

Course offered: First semester/Second semester elective

Studio Art 2

Art 2 continues to advance skills in observation, imagination, and memory. Students also expand and advance techniques and skills introduced in Level 1 Studio Art. Students continue to be assessed based on the criteria of concept understanding, creativity, composition, craftsmanship, and communication. In this course, students are expected to demonstrate a more individual and sophisticated connection to their artwork.

Grade levels: 10-12

Course type: Performance/production based elective course

Course number: 123

Prerequisite: Studio Art 1A or 1B

Studio Art 3

This course is designed for serious art students who are interested in developing a portfolio for college or personal exploration. Students continue to advance in sophisticated use of media and concepts, individual project proposals, thoughtful critique, and careful reflection. Students at this level may qualify for the National Art Honor Society.

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 126

Prerequisite: Studio Art 2

Advanced Studio Art

The Advanced Studio Art course is intended for highly motivated students interested in the serious study of art. Course emphasis is placed on the quality, concentration, and breadth of work and the development of a college level portfolio. Students at this level may qualify for the National Art Honor Society.

Grade level: 12

Course type: Performance/production based elective course

Course number: 75

Prerequisite: Three years of visual arts course work (studio art and/or photography)

Fiber and Textile Arts

In this one-semester course, students will understand the differences and similarities between the fiber and textile arts and will design and create a variety of sustainable works in these areas.

Projects will include choices in upcycled wearable art, weavings, printed textiles, jewelry, and a variety of choice utilitarian textile pieces. Students will explore the rich and significant history of fiber and textile arts and deepen their understanding of the importance of creation, not just consumption. Students will demonstrate the critical thinking skills needed for sewing, applique, embroidery, weaving, fabric painting and printing along with innovative thinking to use these to design objects unique in aesthetics and function.

Grade levels: 9 -12

Course type: Performance/production based elective course

Course number: 691

Course offered: Second semester elective

Art History

This course welcomes students into the world of art history through virtual visits to art installations all over the world. Students will observe, read and write about art, artists and art making. Content is informed by the AP Art History curriculum of 250 works of art characterized by diverse artistic traditions from prehistory to the present day. Students will develop in-depth understanding of art making from a global perspective and will learn how to apply visual skills to contextualize, analyze and engage with a variety of art forms to understand interconnections across time. Moving into contemporary art we'll unravel the mysteries of why artists create, often challenging societal norms, and how art can assist in counterculture movements that drive us toward a deeper understanding of ourselves.

Grade levels: 10-12

Course type: Academic elective course

Course number: 101

Photography 1

Students learn how to shoot and produce strong, aesthetic photographs in the medium of digital photography. They use Lightroom as the main means of editing. Topics covered: how to manually use a 35mm DSLR (digital) camera; how to use Adobe Lightroom; how to produce both technical and artistic photographs; and how to critique their work and the work of their peers. Students are graded on their photographs, technical exercises, and class participation. Students will be expected to participate in two shows that will require them to produce finished works of art. There will be out of pocket expenses to produce the finished work for our shows.

Grade levels: 9-12

Course type: Performance/production based elective course

Course number: 93

Required: 35mm DSLR camera, at least six megapixels

Photography 2

This course is designed to teach students to apply all they have learned in the beginning level course to their own personal, artistic works. We will be working on developing each student's vision and style. Projects are designed to stimulate creative thought and strategic planning. This course is based more heavily on post production work, and photoshop skills. Students will be expected to participate in two shows that will require them to produce finished works of art. There will be out of pocket expenses to produce the finished work for our shows.

Grade levels: 10-12

Course type: Performance/production based elective course

Course number: 94

Course offered: Full year

Prerequisite: A- (90%) or better in Photography 1

Required: 35mm DSLR camera, at least six megapixels

Photography 3

This course is designed to teach students to apply all they have learned in the beginning and intermediate level courses to their own personal, artistic works. We will also be introducing traditional film and work on a number of projects

that combine digital and traditional printmaking. The photo department has vintage cameras to lend students if they do not have their own. It is the student's responsibility to keep up with and manage their work time wisely during this course. Students will be working independently, with much of the work being done outside of class time. Students will be expected to participate in two shows that will require them to produce finished works of art. There will be out of pocket expenses to produce the finished work for our shows. Students will also be required to buy their own film and photo paper. The apx cost of these items is about \$75.

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 95

Course offered: First semester or full year during Zero Hour Day 2

Prerequisite: A- (90%) or better in Photography 2

Required: 35mm DSLR camera, at least six megapixels. Traditional film and photographic paper.

Digital Design 1

Students will create digital images using basic photoshopping techniques by building and painting directly on the computer. They will develop design knowledge through balance, emphasis, texture, color theory and mixing. Students will gain an understanding of various digital formats for both print and web use and study various historical art movements related to their projects. Along with Photoshop, a variety of applications will be used to create various designs and images like Tinkercad, Fontstruct, and Google Drawings. This course is offered to students in grades 7 - 12.

Grade levels: 7-12

Course type: Performance/production based elective course

Course number: 60

Digital Design 2

Digital Design 2 will be a continuation and building of more PhotoShop skills and tools, especially to build atmosphere and depth digitally through color contrast and size. In this class, students will discover a new means of drawing digitally through vector imaging and the bezier pen tool to create logos and their own typography. Students will also be challenged to work creatively by using traditional art making methods and turning them in to digital images and vice versa.

Grade levels: 8-12

Course type: Performance/production based elective course

Course number: 61

Prerequisite: Beginning Digital Design, Digital Design 1 or approval from instructor based on portfolio

Digital Design 3

This course will expand on the basics of photoshopping and digital painting to communicate visually through a digital format. Projects will challenge the student to explore the digital format as a means of both personal expression and commercial purpose. Students will continue to develop their creativity, knowledge of design and color to build their projects.

Grade levels: 9-12

Course type: Performance/production based elective course

Course number: 62

Prerequisite: Intermediate Digital Design, Digital Design 2 or approval from instructor based on portfolio

Digital Design 4

Along with refining their skills in Photoshop and Illustrator and other 3D modeling software, students will also learn to animate graphics and create 2D animated shorts with the adobe software. Students will be presented with design challenges that can be resolved through design thinking, the use of vector graphics, and created with digital art software such as Adobe Illustrator.

Grade levels: 10-12

Course type: Performance/production based elective course

Course number: 58

Prerequisite: Digital Design 3 and placement from instructor

Beginning Digital Animation

Course will explore Adobe Animate and learn the fundamentals of the tools in the software. Animation techniques will include frame by frame animation (where the students will create movement as each frame is manipulated for the sequence) and tweening. Animations will include the creation of a character with multiple limbs and joints. Characters will be given basic movements like walking, jumping, and speaking. Students will tell simple stories using the characters they have created.

Grades: 9-12

Course type: Performance/production based elective course

Course number: 270

Prerequisite: Digital Design 2 with approval from instructor, or approval with a portfolio submission demonstrating digital abilities in Photoshop and Illustrator

Beginning Digital Painting and Illustration

This course will use Photoshop and other digital software as a means of creating visual art and illustration. Learn the techniques and steps to visually illustrate your own stories and ideas from storyboard to character development to graphic novel. First semester we will begin to build the foundations for illustration and in the second semester you will take those foundations to create a product of your own, whether it's a storybook or graphic novel. Various elements and principles of art will be learned and applied to illustrations to give the illustrations a stronger visual impact.

Grade levels: 8-12

Course type: Performance/production based elective course

Course number: 55

Prerequisite: Digital Design 1 or higher or approval from instructor

Intermediate Digital Painting

This course will be a continuation in the use of Photoshop and other digital software as a means of creating visual art and illustration. Course will reinforce skills like building textures, the creation of deep space, and use of shading to create forms while pushing ideas and stories forward. More projects will be student driven, where the students create the parameters for their own projects. Students will also learn about editorial illustration and how to bring in their opinions into contemporary issues.

Grade levels: 9-12

Course type: Performance/production based elective course

Course number: 56

Prerequisite: Beginning Digital Painting and Illustration or approval with a portfolio submission demonstrating either traditional or digital drawing or painting abilities

Dance 1

The purpose of this course is to promote a balanced dance program that enables students to develop an appreciation of the use of the body as a means of communication and expression. Students will receive instruction in basic dance techniques and choreographic principles as they engage in movement activities designed to develop an understanding of the elements of dance, develop balance, coordination, flexibility, strength and endurance.

Grade levels: 7-12

Course type: Performance/production based elective course; can be used for fine arts credit or PE graduation requirement

Course number: 617

Dance 2

The purpose of this course is to promote a balanced dance program that enables students to develop an appreciation of and skill in the use of the body as a means of communication and expression. Students will receive instruction in both dance techniques and choreographic principles that builds on skills developed in Dance 1. They will engage in dance activities designed to increase movement skills (balance, coordination, agility, flexibility, strength and endurance); develop their ability to effectively utilize the elements of dance in performance and the choreographic process; and develop their expressive performance skills. There will be performance opportunities.

Grade levels: 8-12

Course type: Performance/production based elective course; can be used for fine arts credit or PE graduation requirement

Course number: 618

Prerequisite: Dance 1 or approval from instructor

Choreography Lab

This course is designed for intermediate/advanced dance students who love to choreograph, create and design dance. This course will focus on refining technical proficiency, artistic expression and creative fluency. Students will engage in the processes of creation, rehearsal, and performance of original student dance choreography; ensemble skills; repertoire maintenance, and performance disciplines. A variety of opportunities will be provided for performances of completed works.

The student will be able to:

- Compose original dance works for performance applying each step of the choreographic process.
- Analyze, critique and discuss choreography in an intelligent, productive manner.
- Learn, recall with accuracy and expressively perform original choreography and the choreography of peers and others.

- Collaborate with others in creating and performing dance works.
- Work creatively and efficiently under deadlines.
- Manage rehearsals effectively.
- Recall choreography and perform it with confidence and accuracy.
- Effectively use technical theatre elements: costumes, make-up, set design, and props.

Grade levels: 8-12

Course type: Performance/production based elective course; can be used for fine arts credit or PE graduation requirement

Course number: 619

Prerequisite: Audition or approval from instructor

Stagecraft A/Stagecraft B

Stagecraft A and B are individual one-semester courses; students may take one or both. Stagecraft A is an introductory course focused on backstage work for a straight show or non-musical production, while Stagecraft B focuses on a musical production. Students learn theater terminology, safety rules, and procedures for building sets and working behind the scenes. Each student becomes a vital crewmember required to attend specified rehearsals and performances for one Gregory School mainstage show and an additional theatrical event.

Grade levels: 9-12

Course type: Performance/production based elective course

Course numbers: Stagecraft A - 167/Stagecraft B - 169

Course offered: First semester/Second semester elective

Required: Some after-school and weekend commitments

Theater Production 1 and Theater Production 2

These one-year courses are designed for students who know the basics of stagecraft and can further implement their knowledge. Students expand their experience in technical theater and are required to be involved in the planning and execution of theatrical productions. Each student becomes a vital crewmember, required to attend specified rehearsals and performances for two Gregory School mainstage shows and additional theatrical events.

Theater Production 1

Grade levels: 10-12

Course type: Performance/production based elective course

Course number: 170

Prerequisite: Stagecraft A or B

Required: Some after-school and weekend commitments

Theater Production 2

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 171

Prerequisite: Theater Production 1

Required: Some after-school and weekend commitments

Theater Design

Theater Design is an advanced course in backstage work with emphasis on technical theater design. Students design the publicity, scenery, props, lighting, and sound for all of The Gregory School shows. Each student becomes a vital crewmember, required to attend specified rehearsals and performances for all Gregory School mainstage shows and additional theatrical events. Students may be asked to perform special duties for non-theatrical events and/or outside groups renting the theater space.

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 172

Prerequisite: Passing grade in one or two years of Theater Production or with instructor approval

Required: Some after-school and weekend commitments

Beginning Drama A/Beginning Drama B

Beginning Drama A and B are individual one-semester courses; students take one or both. Both sections provide an introduction to the basics of theatrical performance. Students explore acting skills, vocal and physical strategies, scene work, improvisation, character development, ensemble work, and theater games. Assignments include daily class activities, textual analysis, playwriting, and review of professional, individual, partner, and group performances. Students participate in acting festivals, performances for the school community, and playwriting competition.

Grade levels: 9-12

Course type: Performance/production based elective course

Course numbers: Beginning Drama A - 156/Beginning Drama B - 157

Course offered: First semester/Second semester elective
Required: Some after-school and weekend commitments

Intermediate Drama 1 and Intermediate Drama 2

These one-year courses are continuations of the performance skills developed in Beginning Drama. Students advance their study of playwrights, texts, acting styles, and characterization. Assignments include reading, viewing, and analyzing plays for scene study and performance. Skills covered in class include textual analysis for characterization, recognition of dramatic and historical styles, and the preliminary techniques of directing. Students participate in acting festivals, performances for the school community, and playwriting competition.

Intermediate Drama 1

Grade levels: 10-12

Course type: Performance/production based elective course

Course number: 158

Prerequisite: Beginning Drama A or B

Required: Some after-school and weekend commitments

Intermediate Drama 2

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 159

Prerequisite: Intermediate Drama 1

Required: Some after-school and weekend commitments

Advanced Drama

This one-year course is a collaborative effort toward demonstrating all of the acting, directing, and producing skills students have learned in Beginning and Intermediate Drama in order to create public performances. Assignments include reading, viewing, and analyzing plays and the exploration of various directing styles. Skills covered in class include the in-depth study of directing, textual analysis, and production concept creation, sophisticated work with different dramatic styles, and historical and cultural dramaturgy. Students participate in acting festivals, performances for the school community, and playwriting competition.

Grade levels: 11-12

Course type: Performance/production based elective course

Course number: 160

Prerequisite: Intermediate Drama 2 or with instructor's approval

Required: Some after-school and weekend commitments

After-School Musical/Drama Productions: These productions are after-school and on weekends. Interested students become part of an ensemble producing a dramatic stage presentation. Material is taken from a wide range of dramatic and musical literature. Singing and dancing may be required. Participation for acting, singing and dancing is by audition. (No course credit awarded.)

LANGUAGES

Native speakers of Spanish or French may take advanced courses in their native languages. They will take a test to be placed in the appropriate class. They could also take one of the languages that is new to them.

French 1

This course assumes little or no prior instruction in French. Emphasis is on conversation, reading, writing, listening and speaking. Students will learn familiar and concrete vocabulary along with phrases that are useful in everyday life or that they would use if they were to travel to a French speaking country. We will learn about Francophone culture and French-speaking countries. We use primarily the present tense.

Grade levels: 8-12

Course type: Academic course required for graduation

Course number: 221

Prerequisite: Eighth and ninth grade students who have taken French 1A and French 1B in middle school will be placed in French 1 or French 2 by department.

French 2

Students further develop conversational skills through study of concrete vocabulary and everyday expressions. They study the culture, geography, and daily life of various Francophone regions. Writing assignments are more varied than those of French 1. We use storytelling to illustrate uses of the past tense, and students write and illustrate an original children's story, which they then read to an audience. We work with verbs in the present tense before learning the past tenses, passé composé and imparfait.

Grade levels: 7-12

Course type: Academic course required for graduation

Course number: 222

Prerequisite: Middle school and upper school students with a C (73%) or better in French 1 will be placed in French 2 by department. Students who have completed French 1A and French 1B in middle school will be placed in French 1 or French 2 as determined by department.

French 3

By third year French, a student is able to maintain a conversation about a wide variety of topics. Class begins with students conversing in pairs. More emphasis is given to reading and writing than in the past two years. Vocabulary and composition topics are varied. Students examine the culture, literature, and music of French-speaking Europe, Africa, North America, and the Caribbean. They read short selections from the French-speaking world. Tenses/moods covered: past tenses, present, conditional, future, and subjunctive. As a final assessment, students do a job interview and give a presentation to French speakers from the community.

Grade levels: 8-12

Course type: Academic course required for graduation

Course number: 223

Prerequisite: C (73%) or better in French 2

French 4

The course is designed for students who have successfully completed French 3 and would like to keep developing language skills. We will continue to develop reading, writing, listening, grammar, and speaking skills, with emphasis on conversational French. We will review the major verb tenses and modes, such as the future, conditional, and subjunctive. Students also study geography, develop vocabulary, and discuss cultural topics in the French-speaking world, such as food, politics, and the environment. There will be written assignments, projects, oral presentations, and a number of films. And, of course, games!

Grade levels: 9-12

Course type: Academic elective course

Course number: 227

Prerequisite: C (73%) or better in French 3 or French for Immersion Students

AP French Language and Culture

This course is designed for students who want to further develop their language skills and would like to take the AP exam. Students build vocabulary, thoroughly review grammar, and study a variety of cultural themes. Students read short stories, poems, and other readings, and write compositions on a variety of topics. They read the novel *Candide* by Voltaire. Students occasionally watch movies, listen to podcasts, and they write frequently in journals. An extra “lab” period once a week is required for those who intend on taking the AP test. Students are encouraged, but not required, to take the AP exam in May.

Grade levels: 9-12

Course type: Academic elective course

Course number: 224

Prerequisite: B+ (87%) or better in French 3

Francophone Identities (Franco ID)

The goal of this class is to continue developing the skills of reading, writing, listening, and speaking French in the context of various cultural issues in the Francophone world. We will address the issues of identity: How does our identity form and how does it evolve over time? What factors influence acceptance or exclusion from a group? How does one identify with a group, but retain individuality? We will also review grammar and practice conversational skills. We will read short stories, poems, essays, documentaries, and excerpts from novels and we will watch a number of films, such as *Un Sac de billes* and *Le Huitième jour*.

Grade levels: 9-12

Course type: Academic elective course

Course number: 230

Prerequisite: 3 years or more of French; B (83%) or better in the previous French class

Latin 1

The Latin program offers a comprehensive foundation in the language from the introduction of basic vocabulary and grammar through the study of grammatical syntax and literature. Our course is based on the universal stories of Ovid. Reading comprehension, translation, and Latin prose composition are emphasized in the latter part of the course. Readings from ancient authors and modern retellings focus on classical culture, history, and mythology.

Grade levels: 8-12

Course type: Academic course required for graduation

Course number: 201

Prerequisite: Students who have taken Latin 1A and Latin 1B in middle school will be placed in Latin 1 or Latin 2 by department

Latin 2

This course continues the study of grammar, syntax, and vocabulary, and makes the transition from fabricated Latin to the original language. In the second semester students practice their new ability to read excerpts of the original works of Ovid's *Metamorphoses* and *Fasti*.

Grade levels: 8-10

Course type: Academic course required for graduation

Course number: 202

Prerequisite: B (83%) or better in Latin 1 **OR** students who have taken Latin 1A and Latin 1B in middle school will be placed in Latin 1 or Latin 2 by department

Latin 3

Using many different Latin authors in various genres, this course emphasizes reading skills. In a prominent position are the orations of Cicero and the histories of Caesar. To complement the foundation are the letters of Cicero, epigrams of Martial, philosophy of Lucretius, history of Livy, and elegies of Propertius and Tibullus, et al. This course is a wonderful examination of Roman culture through great literature.

Grade levels: 10-11

Course type: Academic course required for graduation

Course number: 203

Prerequisite: B (83%) or better in Latin 2

Latin 4

Latin 4 is for those students who choose to continue on in Latin after finishing their language requirements. The course is designed to prepare students to be successful in Advanced Placement Latin through a thorough review of grammar, extensive practice in writing text-based critical essays and exposing students to a wide range of original works in both prose and poetry. In the first semester students translate and analyze prose works from Cornelius Nepos, Livy, Cicero and Julius Caesar. In the second semester students translate and analyze poetry from Catullus, Ovid, Martial and the early works of Vergil.

Grade levels: 11-12

Course type: Academic elective course

Course number: 199

Prerequisite: B (83%) or better in Latin 3

AP Latin

AP Latin is a college level course designed for students who may take the AP exam. Students will read from Caesar's *De Bello Gallico*, Commentaries on the Gallic Wars, and from Vergil's *Aeneid*, the epic poem about the founding of Rome. Students will expand their vocabularies, improve their sight reading skills, explore dactylic hexameter and poetic devices, write essays using the texts as their empirical evidence, and learn about the military, cultural and political themes of first century Rome.

Grade levels: 11-12

Course type: Academic elective course

Course number: 205

Prerequisite: B (83%) or better in Latin 4

Mandarin 1A

Mandarin 1A is an introductory course in Chinese. Students will learn basic pronunciation and tones. Emphasis is primarily on speaking and listening, reading and writing followed. Students will learn and explore the writing system and pinyin system, known as Chinese Romanization. Students will learn concrete vocabulary along with phrases that are useful in everyday life. By the completion of the first year, students should be able to: introduce oneself, others, and family members, to describe someone, to ask someone's age and birthday, to tell time, dates, months, explain daily routines, to express likes and dislikes, to talk about colors, clothing, etc. Students should also be able to identify about 100 characters, read simple Chinese texts, and write basic notes by the completion of the first year. Students will also be able to demonstrate basic knowledge and culture of the Chinese-speaking countries and regions.

Grade levels: 6-12

Course type: Academic elective course

Course number: 271

Please note that TGS students who have completed previous Mandarin classes will be placed in Mandarin 1B, Mandarin 2, or Mandarin 3 as determined by department.

Mandarin 1B

Emphasis will continue on pronunciation and on building vocabulary. We will continue to develop skills of listening and speaking, reading, writing and typing. Emphasis will be on communication about daily life such as describing people, expressing likes and dislikes, shopping, talking about hobbies, colors, body parts and so on. There will be mahjong games, Chinese chess, calligraphy writing, dumplings making and other activities. Local field trips will be organized for students to have substantial comprehensive practice in the language and a deeper understanding of the Chinese culture.

Grade levels: 6-12

Course type: Academic elective course

Course number: 272

Prerequisite: Level determined by placement exam or teacher recommendation

Course offered: Elective during zero hour

Mandarin 2

The emphasis in this course continues on pronunciation, tones, and on building vocabulary. Focuses will be on reading comprehension, translation, ancient poems and storytelling. Students further develop conversation and writing skills through study of culture, songs, and Internet resources, Vlogger, YouTube videos. There will be games: Chinese go, mahjong, Chinese chess, YoGo; calligraphy writing, dumplings making and other activities. Local field trips will be organized for students to have substantial comprehensive practice in the language and a deeper understanding of the Chinese culture.

Grade levels: 6-12

Course type: Academic elective course

Course number: 273

Prerequisite: Level determined by placement exam or teacher recommendation

Mandarin 3

This course is an elective course designed for students who want to further their study of Mandarin Chinese. Students will be continuing to further develop conversational skills and presentational skills both in oral and written through study of the culture, geography, tours, history, food, festivals, regional dialects and idiomatic expressions in Chinese people's daily life, comparisons of cultural differences and similarities. Field trips or global tours will be organized for students to have substantial comprehensive practice in the language and a deeper understanding of the Chinese culture.

Grade levels: 6-12

Course type: Academic elective course

Course number: 274

Prerequisite: Level determined by placement exam or teacher recommendation

Spanish 1

Spanish 1 is an introductory course primarily in Spanish, which assumes no prior knowledge of the language. Emphasis is on developing the student's ability to use the language for basic communicative competence by developing the four skills: listening, speaking, reading and writing. Culture is introduced through the videos and readings. The emphasis in the classroom is the use of oral Spanish. By the completion of the first year, students are able to introduce one friend to another, describe likes and dislikes, shop for food and clothing, order a meal in a restaurant, talk about daily routines, weekend activities, classes, family, health, and holidays. Students are able to speak, read, and write in the present, past, and future.

Grade levels: 8-9

Course type: Academic course required for graduation

Course number: 211

Prerequisite: Students who have taken Spanish 1A and Spanish 1B in middle school will be placed in Spanish 1 or Spanish 2 by department

Spanish 2

Spanish 2 continues the four-skill approach through the introduction of the direct method, developing the student's ability to begin to express abstract concepts in different tenses, such present, preterite, and present progressive. Cultural content is enhanced through the use of video material and short readings, as well as the introduction of different Latin American rhythms. Students at this stage continue writing short compositions in Spanish, with a more complex variety of cultural and personal topics, adding new grammatical and syntactical structures.

Grade levels: 8-12

Course type: Academic course required for graduation

Course number: 212

Prerequisite: C (73%) or better in upper school Spanish 1 **OR** students who have taken Spanish 1A and Spanish 1B in middle school will be placed in Spanish 1 or Spanish 2 by department

Spanish 3

This course is a continuation of Spanish 2, meant to strengthen the foundation for Spanish 1 for students who wish to continue their studies in Spanish. Spanish 3 will continue the four-skill approach through the introduction of the direct method, developing the student's ability to express themselves using the three modes of Spanish: indicative, imperative, and subjunctive modes. In addition, students will learn different aspects of past tense, such as preterite, imperfect, and past progressive. Vocabulary and cultural contents would focus on topics related to health, technology, and housing, with great emphasis on writing and communication skills. For middle school students, upon successful completion of Spanish 2 and Spanish 3 and if the student continues to study Spanish in upper school, they will be given one upper school credit for the two courses.

Grade levels: 8-12

Course type: Academic course required for graduation

Course number: 213

Prerequisite: C (73%) or better in Spanish 2 (or equivalent) and/or by instructor's recommendation

Spanish 4

In Spanish 4, students are exposed to advanced vocabulary relevant to their lives and what is happening in the world around them. The major grammatical concepts covered are the preterit/imperfect, the subjunctive, the compound tenses and commands. Students continue to develop their knowledge of vocabulary and idiomatic expressions so that they can discuss, in Spanish, complex topics suggested by films, readings in literature and cultural presentations. Compositions become longer and are more varied in content.

Grade levels: 9-12

Course type: Academic course required for graduation

Course number: 214

Prerequisite: C (73%) or better in Spanish 2 (or equivalent) and/or by instructor's recommendation

Topics in the Hispanic World

Topics in the Hispanic World (*Temas en el mundo hispano*) is an elective course designed for students who want to continue the study of Spanish beyond the requirement for foreign language in the Upper School. A major emphasis is on culture, real-world events, and analysis of literary excerpts and short films. Students continue to master the spoken and written aspects of Spanish through discussions and diverse oral exercises, as well as compositions and theme writing. The course includes a complete, in-depth review of grammar presented to date, as well as a focus on the finer nuances of the language. The course is also designed as a preparation for taking AP Spanish Language and Culture course.

Grade levels: 10-12

Course type: Academic elective course

Course number: 275

Prerequisite: C (73%) or better in 2021-22 Spanish 3 (or equivalent) and/or by instructor's recommendation

Conversations in the Hispanic World

This conversational Spanish class (*Conversaciones en el mundo hispano*) stresses the expansion of effective listening comprehension and speaking skills through culturally and linguistically appropriate activities. The goal of this course is to facilitate communication. The class will be conducted entirely in Spanish. Students will be participating in individual, paired, and group activities, "scenarios", games, debates, extemporaneous conversations, oral presentations, oral projects, reading aloud from various sources, and building vocabulary based on those sources. Also, they will do listening comprehension exercises based on movies, TV programs, and news, and they will discuss current events and personal or social issues. Grammar will be used as a structural base for the discussions, but will not be the focus. The content will be divided into 8 units.

Grade levels: 10-12

Course type: Academic elective course

Course number: 276

Prerequisite: B (85%) or better in Spanish 4 and/or by instructor's recommendation

AP Spanish Language and Culture

Advanced Placement Spanish Language and Culture is an elective course designed to prepare students for more advanced Spanish language studies at the university level, as well as for the AP Spanish Language and Culture Exam. The course is structured to cover the six thematic areas as presented on the AP Exam: Global Challenges,

Science and Technology, Contemporary Life, Personal and Public Identities, Family and Communities, Beauty and Aesthetics. Students continue to master the spoken and written aspects of Spanish through discussions and diverse oral exercises, as well as compositions and theme writing. The course includes a detailed review of all grammar presented to date, as well as a general introduction to Spanish and Latin American literature.

Grade levels: 10-12

Course type: Academic elective course

Course number: 215

Prerequisite: B+ (87%) or better in Spanish 4 and/or by instructor's recommendation

AP Spanish Literature and Culture

Advanced Placement Spanish Literature and Culture is designed for students with a high level of proficiency in the Spanish language. Grammar is reviewed as needed. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills – with special attention to critical reading and analytical writing – and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish.

Grade levels: 11-12

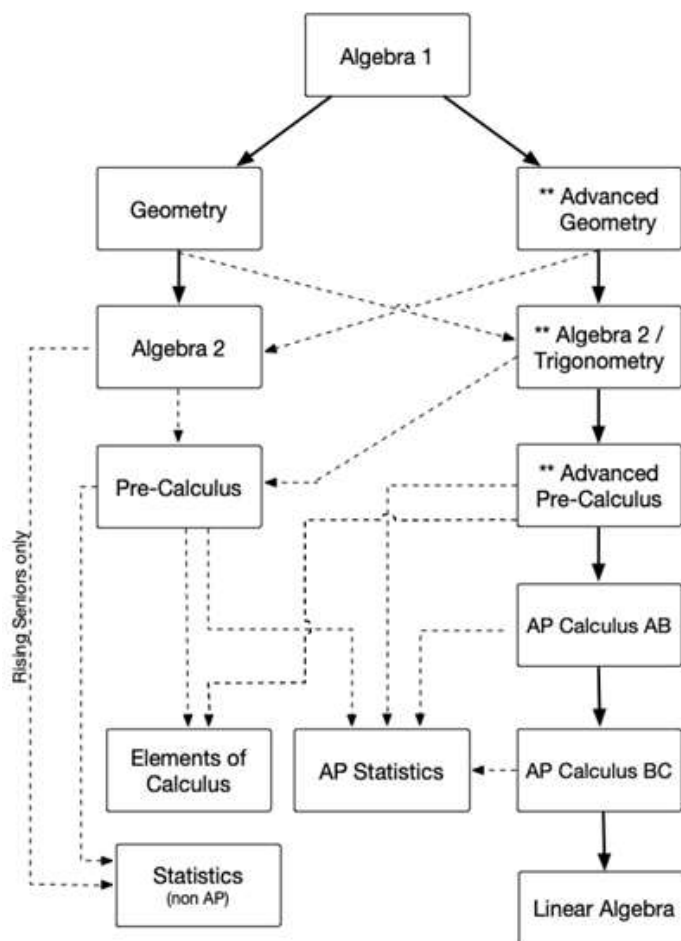
Course type: Academic elective course

Course number: 216

Prerequisite: B+ (87%) or better in AP Spanish Language and/or by instructor's recommendation

MATHEMATICS

In each mathematics course, emphasis is placed on four essential skills: problem-solving, reasoning and proof, communication, and connections. As students acquire more skills, they use them to solve increasingly complex problems from a variety of disciplines. Students generally have assignments due every class. Whenever possible, time is taken for exploratory problem-solving, in which students look for patterns, vary approaches, use concepts previously learned, apply new ideas to solve a problem, and finally write up and present their solutions.



**** See course description for placement criteria.**

Algebra 1

Algebra 1 is the freshman level Algebra course. It is a full year course taught over the two semesters of the academic school year. Algebra 1 is a foundational course that teaches students how to extend their knowledge of mathematics from the concrete to the abstract. Students learn how to generalize operations with numbers and variables in order to approach more dynamic problem solving scenarios.

The course begins with an in depth review of topics in: number systems, theory of equations and algebraic application of geometric principles. The new topics in semester one include: solving and modeling with linear equations, studying the graphs of degree 1, 2 and 3 polynomials, the absolute value function and the square root function and their properties under transformations using the graphing calculator as a primary tool.

The second semester of the course focuses more on non-linear forms including: solving systems of linear equations, linear inequalities and their applications, factoring and its applications, and quadratic and cubic functions and their applications. Problem solving and application of each topic is an integral part of the course.

Mathematical Practices are emphasized throughout the course. Process standards include problem-solving, reasoning and proof, communication, representation and connections. Additionally, mathematical fluency of expression is modeled by teaching adaptive reasoning, strategic competence, command of linguistic expression using mathematical symbols and models.

Grade level: 9

Course type: Academic course required for graduation

Course number: 421

Prerequisite: Successful completion of Pre-Algebra

Geometry

Geometry is a full year course taught over the two semesters of the academic school year. The course is concerned with describing the size, shape and properties of figures in the plane and in space under transformations. It is used as a vehicle to develop students' logical reasoning abilities and to further develop fundamental mathematical ways of thinking. Students engage in activities that extend their learning and allow them to explore geometric concepts in greater depth via in-class experiments and projects.

The course begins with exploring relationships and patterns in geometric shapes and the world around us. Students will then explore topics in: constructions using traditional tools as well as geometry software, numerical and spatial invariants, reasoning and proof, congruence, similarity, measurement, polygons and circles on the coordinate plane as well as three-dimensional figures, and right-triangle trigonometry.

Grade levels: 9-10

Course type: Academic course required for graduation

Course number: 423

Prerequisite: Successful completion of Algebra 1

Advanced Geometry

Advanced Geometry is a full year course taught over the two semesters of the academic school year. This is an accelerated course that will emphasize deductive and inductive reasoning to develop the notion of geometric proof. Students will engage in a variety of activities that extend their learning and allow them to explore geometric concepts in depth and with rigor via in-class experiments and projects. The course begins with exploring relationships and patterns in geometric shapes in the world around us. Students will then explore topics in: constructions using traditional tools as well as geometry software, numerical and spatial invariants, reasoning and proof, congruence, similarity, measurement, polygons and circles on the coordinate plane as well as three-dimensional figures, and right-triangle trigonometry.

Grade levels: 7-10

Course type: Academic course required for graduation

Course number: 419

**Prerequisite: B (85%) or better in both semesters of Algebra (1 or B) and teacher recommendation

Algebra 2

Algebra 2 is a full year course taught over the two semesters of the academic school year. The course is concerned with a variety of functions; linear, quadratic, rational, radical, higher order polynomials, exponential and logarithmic. We examine functions as they relate to modeling real world applications, graphing and solving equations and inequalities, while employing the entirety of the complex number system (rational, irrational, and non-real numbers).

Grade levels: 9-11

Course type: Academic course required for graduation

Course number: 425

Prerequisite: Successful completion of both Algebra 1 and Geometry

Algebra 2/Trigonometry

Algebra 2/Trig is a full year course taught over the two semesters of the academic school year. This is an accelerated course that combines the topics in Algebra 2 with Trigonometry and its applications. Functions investigated will focus on higher order polynomials, rational, radical, exponential and logarithmic functions. We examine functions and their inverse functions as they relate to modeling real world applications, graphing and solving equations. We will be employing the entirety of the complex number system (rational, irrational, and non-real numbers) to solve problems and to represent them geometrically. During the second semester, we will examine periodic functions by applying trigonometric principles. This course will include an applied Statistical Unit to prepare students for the SAT.

Grade levels: 9-11

Course type: Academic course required for graduation

Course number: 424

**Prerequisite: B+ (87%) or better in both semesters of Geometry, B (85%) or better in both semesters of Algebra 1, and teacher recommendation

Precalculus

This elective course is a full year course that will continue to solidify a student's Algebraic and Trigonometric skills through transformational Geometry. In this course we will focus on the properties and applications of functions by analyzing form. Units of instruction will extend previous learning by investigating domain and range as it relates to polynomial functions, rational functions, exponential and logarithmic functions, and trigonometric functions. Students will study Arithmetic and Geometric sequences and their applications. Units of instruction will include applications of combinatorics, binomial distribution systems and data displays/data analysis.

Grade levels: 10-12

Course type: Academic elective course

Course number: 428

Prerequisite: Successful completion of Algebra 2 or Algebra 2/Trig

Advanced Precalculus

This elective course is a full year course that will continue to solidify and expand a student's Algebraic and Trigonometric skills. The purpose of the course is to prepare students for AP Calculus AB. As such the course is more rigorous and in more depth than the regular PreCalculus course. The course will use algebraic, geometric and numeric approaches to solving problems. Topics include: linear, quadratic, polynomial, rational, exponential, logarithmic, and trigonometric functions; triangle trigonometry; trigonometric equations and identities, and applications; sequences and series, limits and continuity.

Grade levels: 10-12

Course type: Academic elective course

Course number: 430

Prerequisite: B+ (87%) or better in both semesters of Algebra 2/Trig and teacher recommendation

Elements of Calculus

This course will introduce students to the basic ideas of differential and integral calculus. Topics include: limits and continuity, derivatives and differentiation techniques, applications of derivatives, definite and indefinite integrals, the fundamental theorem of calculus, some techniques of integration, and applications of integrals.

Grade levels: 11-12

Course type: Academic elective course

Course number: 464

Prerequisite: Successful completion of Precalculus or Advanced Precalculus and teacher recommendation

Statistics

Statistics is the science of data analysis and inference. Through the lens of sports, this course will explore data, plan studies (observational and experimental), and generate statistical inferences based on data. Topics covered will include interpreting/displaying categorical and numerical data, probability, variation in data, normal distributions, z-scores, confidence intervals and linear regression. Computer software will be routinely used to analyze large data sets found on sports data websites. Students will conduct classroom experiments, and carry out individual and group projects.

Grade level: 12

Course type: Academic elective course

Course number: 439

Prerequisite: Successful completion of Algebra 2, Algebra 2/Trig, Precalculus, or Advanced Precalculus

AP Statistics

AP Statistics is the high school equivalent of a one-semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments, and simulations aid students in constructing models for chance behavior. Topics covered include data organization and statistical data summaries, binomial, Chi-squared, normal and t-distributions; sampling distributions, probability, experimental design, confidence intervals, hypothesis testing and linear regression. Students use a TI-83/84 graphing calculator, Fathom, and JMP statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data. AP Calculus students meet with the instructor for standard classes, and a zero hour lab once per week. Teacher recommendation required for placement.

Grade levels: 11-12

Course type: Academic elective course

Course number: 441

Prerequisite: Successful completion of Precalculus with teacher recommendation

Course note: Can be taken concurrently with either AP Calculus AB or AP Calculus BC with teacher recommendation

AP Calculus AB

This course prepares students to take the AB Advanced Placement Calculus exam, which covers roughly one and a half semesters of college calculus. Students are expected to take the AP exam in May. Topics include: limits and continuity, derivatives and differentiation techniques, applications of derivatives, definite and indefinite integrals, the fundamental theorem of calculus, some techniques of integration, and applications of integrals. Some time is spent during the last quarter preparing for the AP exam and, if time permits, independent projects are assigned to research and teach a mathematical concept new to the class. AP Calculus students meet with the instructor for standard classes, and a zero hour lab once per week. Teacher recommendation required for placement.

Grade levels: 11-12

Course type: Academic elective course

Course number: 433

Prerequisite: Successful completion of Advanced Precalculus and teacher recommendation

AP Calculus BC

This course prepares students to take the BC Advanced Placement exam, which covers roughly two semesters of college calculus. Students are expected to take the AP exam in May. In the course, all AB topics are reviewed and additional topics include: more integration techniques and applications, numerical solutions of differential equations using Euler's method, l'Hopital's Rule, improper integrals, sequences and series, convergence of infinite series, power series, function approximation using Taylor series, derivatives and integrals of parametric, vector, and polar functions. If time permits, additional advanced topics may be covered such as mathematical induction, binomial series, multivariable calculus, and fundamentals of analysis. Some time is spent during the last quarter preparing for the AP exam. AP Calculus students meet with the instructor for standard classes, and a zero hour lab once per week. Teacher recommendation required for placement.

Grade level: 12

Course type: Academic elective course

Course number: 435

Prerequisite: Successful completion of AP Calculus AB and teacher recommendation

PERSONAL DEVELOPMENT

Foundations: Ideas, Design, Fabrication and Production

Foundations is a yearlong course designed to give all freshmen and sophomores an opportunity to learn the technical and human skills associated with the idea generation, digital design, and fabrication/production. During the year, students will work on a series of group-based projects that introduce them to different models of problem solving and design thinking. They'll have the opportunity to transform their ideas into physical prototypes and products using the full complement of the FabLab's digital design software and fabrication hardware and materials. Throughout the year, students will be challenged to assume different roles within a group to further develop their leadership, communication, and cooperation skills. While this class is not a prerequisite for Entrepreneurship, it is recommended for students considering the class for their junior or senior year.

Grade levels: 9-10

Course type: Academic elective course

Course number: 398

The Farmacy Classroom - Interdisciplinary Studies of Real Life

In this zero hour class, students will deepen their responsibilities and learning with activities tailored to their individual interests and skill levels. The foundational tier of this class is the tending and care for our animals. Beyond care, this will be a building and design class: not only upkeeping doors and latches, but also creating chairs, swings, and a total environment where the aesthetics of the yard contribute to the health of the animals. To contribute to the total experience of the yard, students will study texts of anatomy, physiology, ecology, and behavior. When students link nutrition, behavior, play, leisure, sleep, arts, and the environment of the animals with their *own* needs in life, The Gregory School will find our students thinking of the whole of each and every life.

Grade levels: 5-12

Course type: Academic elective course

Course number: 659

Course offered: Elective during zero hour

Garden to Table

In this zero hour class, students will work together to turn our 6 community garden plots into a productive, food-producing farm. The produce harvested from our new school farm will go directly to the dining hall where everyone will enjoy the “fruits of our labors.” Growing one’s own food is an act of empowerment. When students learn to grow food, and contribute that food to our very own dining hall, this will build a grand sense of pride and accomplishment! We will build a strong connection between our community garden, our science greenhouse, and the dining hall. We will study the soil, the environment, water use, and will learn exactly how to grow nutrient rich produce in our desert climate. In addition to supplying our dining hall with leafy greens, sweet potatoes, and crisp peas, we will host quarterly farmer’s markets where we will sell vegetable starts, fresh eggs from the farmyard, and any surplus vegetables from our gardens.

Grade levels: 5-12

Course type: Academic elective course

Course number: 664

Course offered: Elective during zero hour

Junior College Seminar

Juniors may elect to enroll in the Junior College Seminar which meets once per week. The seminar, led by the Director of College Counseling, helps prepare students who wish to get a head start on their college exploration and preparation for senior year applications. Weekly topics address all aspects related to the college process including exploring various colleges and universities, generating an educated list of colleges to consider, previewing college applications and essays, developing a resume, communicating with college admissions staffers, and reviewing standardized test options. Students can expect to finish this seminar with a sense of self-reflection, understanding of the process, and an action plan for the summer leading into senior year.

Grade level: 11

Course type: Non-credited, non-graded elective course

Course number: 735

Course offered: Second semester elective meeting once per week

Senior College Seminar

Every senior is automatically registered for this seminar-style course which provides instruction, dedicated assistance, and structured time focused on college applications. The course meets twice weekly with the goal of completing most college applications by the November and December deadlines. Students will work both independently and in small groups on college exploration, resume development, standardized testing plans, completing the Common Application and other school-specific applications, financial aid forms, essay writing, and scholarship research. Each senior works closely with the Director of College Counseling to develop polished applications and to nurture communications with college admissions offices.

Grade level: 12

Course type: Non-credited, non-graded required course

Course number: 724

Course offered: First semester elective meeting twice per week

PE EXEMPTION

A ninth grade student who has a consistent, significant commitment to one or more physical activities outside of school may be exempted from the P.E. requirement in order to 1) take six or more academic courses or 2) add a second elective to the required five academic courses and one other elective course. Student and parents must write and sign a letter requesting the exemption to be kept in student’s file, or fill out and submit a [Petition to Waive Prerequisites Form](#).

Physical Education

The goal of this year-long class is to promote lifetime physical fitness through an emphasis on individual and team sports. Students will show steady personal improvement in all activities throughout the year. The class will incorporate aerobic and anaerobic workouts, practice in proper stretching and strengthening techniques, skill development for various individual sports including bike riding, hiking, weight training, golf and more! There will be some team sports and play. Cooperative behavior and good sportsmanship are reinforced each class meeting. This course is graded on a pass/fail basis.

Grade levels: 9-12

Course type: Elective course; can be used for PE graduation requirement

Course number: 652

Yoga

This year-long class will help students to learn, explore, and enjoy an ancient practice backed by modern science with benefits beyond compare. Yoga instruction will offer personalized direction on proper alignment, technique, exertion, and modifications. This class will be a gathering place for those who seek to care for themselves in a welcoming, safe, comfortable, and supportive environment at all levels.

Grade levels: 9-12

Course type: Elective course; can be used for PE graduation requirement

Course number: 656

Dance 1

The purpose of this course is to promote a balanced dance program that enables students to develop an appreciation of the use of the body as a means of communication and expression. Students will receive instruction in basic dance techniques and choreographic principles as they engage in movement activities designed to develop an understanding of the elements of dance, develop balance, coordination, flexibility, strength and endurance.

Grade levels: 7-12

Course type: Performance/production based elective course; can be used for fine arts credit or PE graduation requirement

Course number: 617

Dance 2

The purpose of this course is to promote a balanced dance program that enables students to develop an appreciation of and skill in the use of the body as a means of communication and expression. Students will receive instruction in both dance techniques and choreographic principles that builds on skills developed in Dance 1. They will engage in dance activities designed to increase movement skills (balance, coordination, agility, flexibility, strength and endurance); develop their ability to effectively utilize the elements of dance in performance and the choreographic process; and develop their expressive performance skills. There will be performance opportunities.

Grade levels: 8-12

Course type: Performance/production based elective course; can be used for fine arts credit or PE graduation requirement

Course number: 618

Prerequisite: Dance 1 or approval from instructor

Choreography Lab

This course is designed for intermediate/advanced dance students who love to choreograph, create and design dance. This course will focus on refining technical proficiency, artistic expression and creative fluency. Students will engage in the processes of creation, rehearsal, and performance of original student dance choreography; ensemble skills; repertoire maintenance, and performance disciplines. A variety of opportunities will be provided for performances of completed works.

The student will be able to:

- Compose original dance works for performance applying each step of the choreographic process.
- Analyze, critique and discuss choreography in an intelligent, productive manner.
- Learn, recall with accuracy and expressively perform original choreography and the choreography of peers and others.
- Collaborate with others in creating and performing dance works.
- Work creatively and efficiently under deadlines.
- Manage rehearsals effectively.
- Recall choreography and perform it with confidence and accuracy.
- Effectively use technical theatre elements: costumes, make-up, set design, and props.

Grade levels: 8-12

Course type: Performance/production based elective course; can be used for fine arts credit or PE graduation requirement

Course number: 619

Prerequisite: Audition or approval from instructor

Physical Conditioning for Athletes

This is a class for interscholastic or club athletes to improve fitness, conditioning, and skills during the off season and the regular season. It will focus on daily stations of weights, plyometrics, footwork, cardio, and individual sport skills to develop a strong, complete and whole athlete. This will cater to the specific skills that each athlete desires to develop. The main coaches on campus will supervise the development of each athlete. This is an opportunity for every sport participant to improve in play over the duration of his/her Gregory School career. The focus in this class is physical improvement with individualized one-on-one attention with a specific coach.

Elements of this class will include:

- Weight training
- Plyometrics
- Footwork
- Conditioning
- Specific sport drills

Grade levels: 9-12

Course type: Elective course; can be used for fine arts credit or PE graduation requirement

Course number: 657

Prerequisite: Athletes who are currently/planning on being involved in competitive sports

US Interscholastic Athletics

| Fall | Winter | Spring |
|----------------------------------|-------------------------------|---------------------------|
| Cross Country (Boys' and Girls') | Basketball (Boys' and Girls') | Golf (Boys' and girls') |
| Swimming (Boys' and Girls') | | Tennis (Boys' and Girls') |
| Volleyball (Girls') | | Track (Boys' and Girls') |
| Soccer (Boys') | | Volleyball (Boys') |

SCIENCE

| Lab Sciences | Science Electives - Not Lab Sciences |
|--|---|
| Biology - required | Computer Science A |
| Chemistry - required | Computer Science B |
| Physics | Topics in Computer Science C |
| Principles of Animal Science | Topics in Computer Science D |
| Principles of Plant Science | AP Computer Science |
| Human Anatomy & Physiology | Technology Innovation: Design & Build A |
| AP Biology | Technology Innovation: Design & Build A |
| AP Chemistry | |
| AP Physics 1 | |
| AP Physics 2 | |
| AP Physics C - Mechanics | |
| AP Physics C - Electricity & Magnetism | |
| Introduction to Engineering (College Dual Credit Course) | |

All students are required to take four years of science in order to be prepared to make responsible decisions in today's world. We recommend that students who anticipate majoring in a science-related field in college take one physics course and one Advanced Placement course in addition to the required biology and chemistry.

Biology (Lab science)

This course introduces the student to the unifying principles of biology including the overarching theory of evolution by natural selection, as exemplified through experimentation, lectures, readings and discussions on the unity and diversity of life. An overview of the unifying concepts in biology and life at the cellular level are covered during the first semester. Areas of study during the second semester include genetics and evolution.

Grade level: 9

Course type: Academic course required for graduation
Course number: 511

Chemistry (Lab Science)

This course provides the student with an introduction to the study of matter and its changes. Both qualitative and quantitative approaches are used to develop an understanding of the current models of the nature of matter. Topics addressed include atomic theory, the Periodic Table and periodicity of the elements, chemical bonding, stoichiometry, gases, solution chemistry, oxidation and reduction, nuclear chemistry, acid-base theories, and basic organic chemistry. Laboratory experiences become part of this course once the students develop a basic understanding of chemical principles. The laboratory activities are designed to allow the student to explore the concepts presented in a laboratory environment.

Grade level: 10
Course type: Academic course required for graduation
Course number: 513
Prerequisite: Algebra 1

Physics (Lab science)

Physics is a fundamental area of scientific study that aims to explain the physical phenomena in the world (and universe) around us. The Physics course is designed to provide the background necessary for progression to further study in physics (AP Physics 1, College Physics later), as well as a broad understanding of the physical world for those for whom this will be the final course of study in the subject. Classroom activities involve a great deal of practical work and graphing data, and students learn to express what they have learned in a variety of ways. They learn about the importance of modelling in physics, and how physicists develop, test and use those models. They see the connections between different areas of the subject, and how to use a range of concepts and mathematics to solve problems or explain everyday phenomena. Areas of study include forces, energy, the structure of matter and thermodynamics, waves and the electromagnetic spectrum, electricity and magnetism, and radioactivity.

Grade levels: 9-12
Course type: Academic elective course
Course number: 519

Principles of Animal Science (Lab Science)

Students will be introduced to the principles of animal science and the animal industries. The course will focus on food production animals, but will also explore the areas of service animals and companion animals. Topics include terminology, classification, basic anatomy, digestive systems, animal welfare, and career exploration. This course will utilize and emphasize hands-on learning experiences through organized lab activities, practicums, field trips, and guest speakers.

Grade levels: 9-12
Course type: Academic elective course
Course number: 593
Course offered: First semester elective

Principles of Plant Science (Lab Science)

Students will be introduced to the principles of plant science and the plant-based industries. The course will focus on food and fiber production, but will also explore ornamental plants. Topics include plant structure and function, plant classifications, factors of plant growth, growing conditions (soil, hydroponics, aquaponics), and career exploration. This course will utilize and emphasize hands-on learning experiences through organized lab activities, practicums, field trips, and guest speakers.

Grade levels: 9-12
Course type: Academic elective course
Course number: 594
Course offered: Second semester elective

Human Anatomy and Physiology (Lab science)

The first semester of this course focuses on those body systems that are integral to the body's framework and control its activities: skeletal, integumentary, muscular, nervous, and endocrine systems. Second semester focuses on those body systems that are integral to delivering the body's nutrients, ridding it of wastes, and defending the body against outside attack: circulatory, respiratory, digestive, urinary, and immune systems. There are required dissections of organs and a whole specimen throughout the semesters.

Grade levels: 11-12
Course type: Academic elective course
Course number: 532
Course note: May not be taken concurrently with AP Biology

Prerequisite: Biology

AP Biology (Lab science)

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their freshman year. The course utilizes a text adopted by many top colleges and includes coverage of the conceptual framework of biology from the various levels of structural complexity, such as molecular, cellular, organismal, population and ecosystem levels. Students are expected to take the Advanced Placement examination in May. AP Biology students meet with the instructor for standard classes, and a zero hour lab once per week.

Grade levels: 11-12

Course type: Academic elective course

Course number: 527

Prerequisite: A- (90%) or better in Biology, and B+ (87%) or better in Chemistry

AP Chemistry (Lab science)

AP Chemistry is designed to cover the material presented in a college introductory chemistry course. Offering a deeper and broader investigation of the topics covered in Chemistry, AP Chemistry also takes an extended look at the topics of kinetics, thermodynamics, and equilibrium. Laboratory experiments parallel course work. Students who have an interest in chemistry and who fulfill the prerequisites should consider AP Chemistry. Students are expected to take the Advanced Placement examination in May. AP Chemistry students meet with the instructor for standard classes, and a zero hour lab once per week.

Grade levels: 11-12

Course type: Academic elective course; students may opt to take the College Board's Advanced Placement Chemistry examination in May

Course number: 529

Prerequisite: A- (90%) or better in Chemistry, and Algebra 2 or Algebra 2/Trig

AP Physics 1 (Lab science)

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like kinematics, dynamics, gravitation, rotational motion and simple harmonic motion. This course follows on from Physics, where students have developed an understanding of mechanics, waves, and electricity. AP Physics 1 is a full-year course that is the equivalent of a first-semester introductory college course in algebra-based physics. It is excellent preparation for AP Physics C Mechanic. Students are expected to take the Advanced Placement examination in May. AP Physics students meet with the instructor for standard classes, and a zero hour lab once per week.

Grade levels: 10-12

Course type: Academic elective course

Course number: 588

Prerequisite: Physics (preferred, additional preparatory work will be needed to start without Physics)

Co-requisite: Algebra 2 or Algebra 2/Trig

AP Physics 2 (Lab science)

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like thermodynamics, waves and optics, electricity and magnetism, quantum and particle physics. This course follows on from Physics, where students have developed an understanding of mechanics, waves, and electricity. AP Physics 2 is a full-year course that is the equivalent of a first-semester introductory college course in algebra-based physics. It is excellent preparation for AP Physics C Electricity and Magnetism. Students are expected to take the Advanced Placement examination in May. AP Physics students meet with the instructor for standard classes, and a zero hour lab once per week.

Grade levels: 10-12

Course type: Academic elective course

Course number: 503

Prerequisite: Physics (preferred, additional preparatory work will be needed to start without Physics)

Co-requisite: Algebra 2 or Algebra 2/Trig

AP Physics C - Mechanics (Lab science)

Knowledge of physics is fundamental to understanding the world around us and forms the basis for improved understanding of other sciences. This course emphasizes the in-depth study of a wide range of physics topics and involves the frequent application of advanced algebra, trigonometry, graphical analysis, and calculus to problem-solving. As a result of the math-intensive nature of this course, calculus is a required co-requisite. Lab work and experimentation are emphasized as methods of gathering data for analysis. The course covers the material traditionally presented in a first semester calculus-based college physics class. The course will cover kinematics, Newtonian

mechanics, energy, and periodic motion. Students are expected to take the Advanced Placement examination in May. AP Physics students meet with the instructor for standard classes, and a zero hour lab once per week.

Grade levels: 11-12

Course type: Academic elective course

Course number: 576

Course offered: First semester elective

Prerequisite: Physics or AP Physics 1 (preferred)

Co-requisite: Calculus AB or higher

AP Physics C - Electricity and Magnetism (Lab science)

Electricity and Magnetism is a study of electric fields, electric forces, electric circuits, and electromagnetism. The course emphasizes the mathematical calculation of fields and forces associated with the phenomenon of electromagnetism. It requires knowledge and ability to learn mathematical techniques in linear algebra and differential equations to complement a strong mathematical background. Students are expected to take the Advanced Placement examination in May. AP Physics students meet with the instructor for standard classes, and a zero hour lab once per week.

Grade levels: 11-12

Course type: Academic elective course

Course number: 579

Course offered: Second semester elective

Prerequisite: AP Physics C - Mechanics

Co-requisite: Calculus AB or higher

Introduction to Engineering (Lab science; College Dual Credit Course)

Introduction to Engineering is a dual credit, college level course for upper school students who want to learn more about engineering. This is equivalent to the Engineering 102 course at The University of Arizona. Credit is transferable to all Arizona public institutions of higher learning as well as to most of those out of state. Students will learn about opportunities in various engineering fields and experience the engineering design process. Students will make use of computer software to aid in project design. The Fall Semester will focus on developing a STEM competition project using the Engineering Design process; the spring semester will focus on the science, engineering and predictive modeling behind solar ovens, catapults and paper helicopters. This course will meet twice per week.

Grade levels: 11-12

Course type: Academic elective course; eligible for University of Arizona dual credit

Course number: 578

Prerequisite: Concurrent enrollment in Precalculus or higher math

Computer Science A (Not a lab science)

This course serves as an introduction to computer programming. This class focuses on computational thinking and the design of simple computer programs. Students are introduced to a variety of computer languages and learn techniques to create effective and efficient computer code. The main programming language will vary and the course emphasizes many aspects of programming that are not language specific. Additional topics covered include: data storage, computer logic, basic HTML programming, and networking.

Grade levels: 9-12

Course type: Academic elective course

Course number: 541

Course offered: First semester elective

Computer Science B (Not a lab science)

This course is a continuation of Computer Science A. The goal of this class is to advance students in their understanding of computer languages and applications. The main programming language will vary and the course emphasizes many aspects of programming that are not language specific. Topics include: program design and implementation, standard algorithms and numerical techniques, simple applications, and building apps.

Grade levels: 9-12

Course type: Academic elective course

Course number: 571

Course offered: Second semester elective

Prerequisite: Computer Science A (or sufficient background)

Topics in Computer Science C/Topics in Computer Science D (Not a lab science)

After learning a programming language in Computer Science A/B, it is time to expand knowledge and look at the many applications of Computer Science. Students will select one of the sub disciplines to work in small groups. Each of the following topics are semester or yearlong courses.

AR/VR

Augmented Reality(AR) and Virtual Reality(VR) are becoming more and more common. It is used for gaming and advertising, but it soon will be used for new types of entertainment media. We will learn to create worlds and develop those worlds through programming and coding.

Mobile Apps

Learning to create great interfaces and how to design for a user are important parts. We will utilize several mobile app packages to create and code a variety of mobile apps.

Artificial Intelligence and Machine Learning

It has become increasingly easy to teach machines how to recognize objects(computer vision) and make decisions. We will learn several common software packages, implement algorithms, and write code that take advantage of this emerging technology.

Autonomous Vehicles and Artificial Intelligence

We will create and program vehicles that are able to recognize objects and make decisions. We will develop skills that can be utilized to build smarter robotics and electronic devices.

Audio Processing

We will use software that helps create and read digital audio signals and music. We will learn to write code that makes music and analyzes all types of audio.

Digital Animation with Scripting

We will write code that modifies and moves 3D designed files. This is one way to approach digital animation. It uses many coding packages and techniques. We will learn those and construct models and animations using our programming knowledge.

Web Design with Scripting

We will learn design skills needed to make great user interfaces. We will create a web page through scripting and coding. This is not the only way(and may not even be the most common way), but provides a way to develop programming knowledge while creating and making for the real world.

Data Science and Programming

We will write code and implement algorithms that processes and displays data. This is a valuable skill in the age of Big Data that we live in. We will try to understand the way in which we are quantified as data and the way in which companies use that data to drive decision making. We will look at large data sets and use computer programs to interpret and better understand.

Cybersecurity

We will look at the techniques and skills that are utilized in the field of cyber security. We will build knowledge of the many aspects of cyber security while learning to write and develop better computer programs.

Grade levels: 10-12

Course type: Academic elective course

Course numbers: Topics in Computer Science C - 1009 /Topics in Computer Science D - 1019

Prerequisite: Computer Science A & B

AP Computer Science (Not a lab science)

In Computer Science A and Computer Science B students have developed the ability to write computer programs and learned several techniques for doing so. In Computer Science C and Computer Science D those programming skills are enhanced by learning more techniques and increasing student awareness of specific algorithms. The course completes the learning objectives needed to take an AP Computer Science exam, but the focus of the programming projects as well as most of the work done is student-directed and aimed at creating functional and innovative computer programs. Students also help intro-level Computer Science students with their understanding, and students will be given time to develop programs which can help in classrooms or in the community.

Grade levels: 10-12

Course type: Academic elective course

Course number: 563

Prerequisite: Computer Science B

Technology Innovation: Design and Build A/ Technology Innovation: Design and Build B (Not a lab science)

Learning to design, prototype, and build using a multitude of traditional and digital tools can be a pathway to creating and innovating unique products. Many professional fields utilize these skills and by introducing a wide range of tools, students have greater freedom in turning their ideas into reality. This class is an opportunity for students to utilize digital fabrication tools in our FabLab, in addition to other traditional tools. Alongside an introduction to a variety of digital software programs, students have an opportunity to grow skills found in many professional careers. The class is focused on student-designed projects that use a multitude of newly learned techniques as well as small projects meant to introduce various maker skills. The course is graded on a pass/fail basis.

Grade levels: 9-12

Course type: Performance/production based elective course

Course numbers: Tech Innovation A (first semester) - 557/ Tech Innovation B (second semester) - 558

Course offered: First semester/Second semester elective

SOCIAL SCIENCES

Topics in World Civilizations: Hierarchies, Networks, and Cultural Frames

Topics in World Civilizations (TWC) is a yearlong course that traces the hierarchies, network connections, and cultural patterns / interactions within human civilization from the Ancient World through (relatively) contemporary times. Throughout the year, we will focus on the intellectual, social, and technological contributions of different civilizations from around the world and also study the interactions between different cultural groups, civilizations, and nations. Along the way, we will focus on some of the commodities and goods that had significant impacts on the people who both produced and consumed them.

Grade level: 9

Course type: Academic course required for graduation

Course number: 309

United States History:

United States History

This course introduces students to the nature and practice of writing history and teaches critical reading, writing, research, and analytical skills that are necessary for The Gregory School graduates to excel in college and the world beyond. The survey course covers United States history from the pre-Columbian era to the 2000s. The course will follow a survey textbook, *America, A Narrative History*, with collaborative projects, including four research projects per year. The specific content and readings are decided upon by the instructor according to expertise and interests, but in every class students experience how history is made, understood, revised, and debated. Themes include cultural encounters and adaptation; complexities of international relationships (including imperialism, ethnicity, and immigration); the success and failures of social and political movements; the tension between individualism and community throughout American history; and the formation of American cultures (including the political cultures of America).

Grade levels: 10-12

Course type: Academic course required for graduation

Course number: 314

AP United States History

An advanced, writing intensive college-level course that will require weekly essays, extensive reading, research and class discussions. The course would be designed for sophomores, juniors or seniors who are in the regular U.S. history Survey class, but who have demonstrated the skills, dedication and self-direction to do independent and additional work as they prepare for the Advanced Placement United States History Test (APUSH) that will be scheduled for the Spring. APUSH covers sections of US history from the Pre-Columbian period through 2000. Students will need to memorize dates, events and characters, and be able to write timed essays that cover the specific APUSH rubric. Additional lab-time may be required during Explorations or before school at least once per week.

Grade levels: 10-12

Course type: Academic course required for graduation

Course number: 315

Prerequisite: A- (90%) or better in World Civilizations

Advanced Upper School History Seminars:

Greek History

This is a one semester survey course covering Greek history from its beginnings in the Bronze Age, through the Classical Period, the Alexandrian Age, and the Roman conquest in the 2nd c.BCE. This course is designed to augment the

overall history curriculum in the high school, and to give students a better understanding of the origins of western civilization through the examination of art, literature, government, and philosophy. It will also help to enhance the experience of Latin students, particularly those who go on to AP Latin, who would like to gain a greater understanding of, and background in Greco-Roman History. This is a discussion based class, and will draw from primary sources and a text. Assessments will consist of research papers, presentations, and debates.

Grade levels: 10-12

Course type: Academic elective course

Course number: 349

Course offered: First semester elective

Roman History

This is a one semester survey course covering Rome's rise from a small village to a world power, its subsequent decline in the west, and the eastern empire to the time of Justinian in the 6th century. This course is designed to augment the overall history curriculum in the high school, and to give students a better understanding of the origins of western civilization. It will also help to enhance the experience of Latin students, particularly those who go on to AP Latin, who would like to gain a greater understanding of, and background in Roman History. This is a discussion based class, and will draw from primary sources and a text. Assessments will consist of research papers, presentations, and debates.

Grade levels: 10-12

Course type: Academic elective course

Course number: 382

Course offered: Second semester elective

Native American & Indigenous History

This one semester course surveys the history of Native Americans from contact with Europeans to modern times, with a focus on the 20th century. The first half of the course will be devoted to a chronological survey, while the second half will include historical and contemporary case studies through which legal sovereignty and cultural identity are explored. This course is designed to go beyond what students examine in US history and will provide a chance to examine individual tribal histories and contemporary issues. Assessments will consist of presentations, written reflections and will culminate in a research project on a topic of the student's choosing.

Grade levels: 11-12

Course type: Academic elective course

Course number: 370

Course offered: One semester elective

Public History

This one-semester course introduces students to the discipline of public history or "the many and diverse ways in which history is put to work in the world." This class will explore the way that people consume history beyond the classroom walls. This course will include required field trips and guest speakers in the field. Tucson will become our history textbook as we examine who has told the history of Tucson and how. The course is discussion and project based, culminating in a project which examines a topic in local history, conducting archival research and teaching their history to the "public."

Grade levels: 11-12

Course type: Academic elective course

Course number: 324

Course offered: One semester elective

Global Social Issues

In today's world, nations are linked by networks of communications, travel, and trade, which means that issues that were once local are now global. This course examines a range of current social issues from a global perspective (including the U.S.), rooting out the impacts of the issues themselves as well as the movements addressing them. We'll dig into issues such as climate change, governance and corruption, social (in)justice and (in)equity, and poverty, all the while honing in on the (often youth-driven) social movements that have sprung up around the globe to tackle these issues. What do these trends tell us about where we are? What is the impact of the peoples' movements on these trends? The course is centered on readings, case studies, and current events. It is an interactive course, both discussion and project based. Our major projects will be centered on both research and problem-solving. Global Social Issues and Global Youth Identities are meant to work in conjunction with each other; students can take one course or the other, or both for a full year experience.

Grade levels: 11-12

Course type: Academic elective course

Course number: 381

Course offered: First semester elective

Global Youth Identities

This second Global Issues course focuses on youth culture and identity around the world. In part, we will do so by exploring the relationship between global youth (Millennials and Gen-Zers) and social media: how are their lives shaped by their separate contexts? by their interconnectedness? by social media? After exploring different aspects of our identities, such as race / ethnicity and gender, we will also look at how our global connections have created new youth identities (“Third Culture Kids”). The course is centered on readings and “case studies” (snapshots of the lives of youth around the world) as well as current events. It is an interactive course, both discussion and project based. Some of our major projects will be research oriented, others will be interview and observation driven, focusing on the people around us. Global Social Issues and Global Youth Identities are meant to work in conjunction with each other; students can take one course or the other, or both for a full year experience.

Grade levels: 11-12

Course Type: Academic elective course

Course number: 386

Course offered: Second semester elective

AP U.S. Government and Politics

AP U.S. Government and Politics prepares students for the AP exam in U.S. Government and Politics by simulating a university-level political-science course. Students will examine the U.S. governmental system, extending beyond a narrow focus on institutions to study all relevant aspects of politics, including how external factors influence public-policy decisions. Crucial to the course is following current events related to the government / politics and connecting them to the broader information on the foundations of our government. In the process, the course exposes students to political-science terminology and aims to help students develop their skills of comprehension, analysis, judgment, organization, synthesis, and explanation, both written and verbal, with an emphasis on participation in class discussion.

Grade level: 12

Course type: Academic elective course

Course number: 369

Prerequisite: B+ (87%) or better in second semester junior history course, or by petition

Economics:

Microeconomics and Macroeconomics

Together, these two independent semester courses provide students with an overview that serves as a precursor for courses in related disciplines, a foundation for further study of economics, and a knowledge base for life as an informed worker, consumer, and citizen.

In the first semester, students focus on microeconomics. Trade, supply and demand, and different market structures are the central focus of the semester. The dry, staid vocabulary of economics bursts with new life as students experience the joys of elasticity, opportunity cost, and scarcity. The second semester focus is on macroeconomics and the exciting world of financial markets, interest rates, and economic policy. In both semesters, students read various blogs, journal articles, classic texts, and news stories that catch the fancy of the instructor.

Microeconomics

Grade levels: 11-12

Course type: Academic elective course

Course number: 317

Course offered: First semester elective

Macroeconomics

Grade levels: 11-12

Course type: Academic elective course

Course number: 318

Course offered: Second semester elective

Entrepreneurship

Entrepreneurship is a yearlong course designed to take students through the process of turning an idea into a business. Students will learn and apply the skills that an entrepreneur in product development might encounter – skills as diverse as branding, online and traditional marketing, budgeting, prototyping, management, and website development. The class will network regularly with TGS community members, alumni, and local entrepreneurs. By the end of the year, students will have developed a professional portfolio enabling them to begin their business. This course will be graded on a “Pass/Fail” basis, and students will need to apply to the program.

Grade levels: 11-12

Course type: Academic elective course

Course number: 389

Prerequisite: Application, possible interview

Psychology:

Psychology and Literature A/Psychology and Literature B

This upperclassmen course is designed to familiarize students with basic psychological theories through the study of works that embody such themes as guilt, vengeance, justice, loneliness, loss, and the journeys that encompass our psychological growth toward self-knowledge. While literature invites us to present a “thesis,” psychology requires a “diagnosis” to support our findings. Students will approach psychologists such as Freud, Jung, Skinner, and Rogers to understand how the study of psychology can enrich our understanding of contemporary and classic works, as well as to better know ourselves and those we love. In addition to psychology texts, we will explore *Catcher in the Rye*, *In the Lake of the Woods*, *Streetcar Named Desire*, *Everything That Rises Must Converge: Short Stories*, *The Boy who was Raised by a Dog*, *Medea*, *Ordinary People*, and *The First Time She Drowned*. This is a two-part, two-semester course. Students must take semester one in order to continue into the spring semester. The first four texts will make up semester one. The remaining works will be explored in semester two. This class may be taken for English elective credit OR social science credit-not both.

Grade levels: 10-12

Course type: Academic elective course

Course number: 46

Course numbers: Psych & Lit A - 383/Psych & Lit B - 385

Course offered: First semester/Second semester elective

Prerequisite for second semester: Must take first semester

Psychology Through Film

This upperclassmen course is designed to follow the introductory Psychology and Literature course. Through the lens of films from a variety of eras, we will explore universal topics such as:

- Anxiety Disorders
- Stress and Health Psychology
- Sensation and Perception
- Grief
- Schizophrenia
- Bi-Polar Disease
- Dissociative Identity Disorder (Multiple Personality Disorder)
- Memory
- Thinking, Language, and Intelligence
- Motivation and Emotion
- Personality
- Therapy
- Social Psychology
- Trauma
- Sociopathy and Psychopathy

Grade levels: 10-12

Course type: Academic elective course

Course number: 397

Prerequisite: While it is recommended that students take Psychology and Literature as a prerequisite, students in good standing may opt to take this advanced level course instead. Students must produce a signed waiver in order to watch some R rated films presented in the course.