



NPA



Northland Preparatory Academy

Middle and High School Course Catalog 2010-2011

Northland Preparatory Academy is a public charter school. The charter for our school is specifically designed to serve students in a highly academic setting. Several of our courses are Honors and AP courses, benefiting students who strive for the challenge of a quality, college preparatory education.

Academics

As a charter school, the NPA faculty, staff, and governing board must adhere closely to the stated goals of the charter, which calls for a highly academic college prep school. The school welcomes all applicants regardless of race, gender, ethnicity, or economic status. No admission test is required; however, students are expected to take at least five core courses a year, including English, a second language, math, science, and history or social studies. Fine arts are an essential part of a well-rounded college prep program and many NPA students take art and/or music courses beyond the one-credit high school requirement.

Middle School

The middle school curriculum calls for maintaining exciting and dynamic classes that challenge students to perform at high levels of academic standards. The curriculum, which exceeds the Arizona Academic Standards as outlined by the Arizona Student Achievement Program, is designed to allow students to develop at their own rate both academically and socially. Classes emphasize active, project-based learning, helping students understand connections between disciplines. The curriculum is designed to be challenging for all students.

Typically, a 7th grade student will take the following seven-course schedule:

- English: Basic English Composition 7
- Foreign Language: Latin I
- Math: by placement – Pre-Algebra or Algebra I
- Science: Science 7
- Social Studies: World Geography 7
- Sixth course: Integrated Learning Strategies
- Seventh course: chosen from available general elective courses

The schedule for the typical 8th grader will have the following seven courses:

- English: English Composition 8 or English Composition 8 Honors
- Math: Algebra or Geometry
- Science: General Science 8 or General Science 8 Honors
- Social Studies: US History 8 or US History 8 Honors
- Fifth course: Physical Education/Health
- Sixth course: ILS or one of the available general elective courses
- Seventh course: chosen from available general elective courses

High School

The high school program is designed to provide outstanding preparation for college. Students can choose from a range of electives; however, all students take five core level courses each year: English, a foreign language, math, social studies/history, and science. Students may take electives as well. All high school and middle school classes are yearlong courses, and are worth ½ credit each semester.

Questions?

If you have any questions about the curriculum offered at NPA, or if you would like more information on our Honors classes, please contact the guidance counselor at 928-214-8776 or visit our web site at www.northlandprep.org

High School Graduation Requirements

Minimum number of credits to be earned *within* Grades 9-12:

- 4 credits of English
 - 3 credits of Foreign Language
 - 4 credits of Math, including one course for which Algebra II is a prerequisite*
 - 3 credits of Laboratory Science
 - 4 credits of Social Studies including US History and World History
 - 2 credits of other core courses**
 - 1 credit of Fine Arts
 - 3 credits of other electives plus or including Health Requirement***
- 24 minimum credits total**

*Classes of 2011 and 2012 are technically required to earn a minimum of 3 credits in math, and not necessarily past Algebra II, but will still take math every year.

**usually an additional credit in each of Foreign Language and Science, but may be satisfied with any two courses approved as core level courses.

Students wishing not to pursue a fourth credit in either science or foreign language may seek approval from the school to substitute another course to satisfy the core course requirement. Examples of substitute courses can include:

1. an additional NPA core course (e.g. an extra science course, extra English course, Psychology course, etc.)
2. a college course at either CCC or NAU, if logistically feasible given student schedule
3. an approved internship aligned with the student's post-secondary plans

Other possibilities may be proposed to the counselor/academic advisor for approval.

***NPA's Health Requirement may be satisfied in any of the following ways:

1. Completing PE102 as one of one's elective choices at some point within Grades 9-12;
2. Earning one-half credit of Health from another school as transfer credit or summer school credit prior to the start of 12th grade; or
3. Earning one-half credit of Health through an accredited online school prior to the start of 12th grade
4. Taking a non-credit health-only summer class through NPA when offered. Students who have not satisfied the requirement prior to the start of 12th grade will be automatically enrolled in PE102 for 12th grade as a sixth course beyond the five core classes, unless alternate arrangements are made with the school.

NPA will post transfer credits from accredited secondary schools to students' NPA transcripts. Students should be aware, however, that NPA still requires students to take five core classes each year, even if that might result in a student surpassing the minimum graduation requirements. Students with special circumstances may seek exception from the guidance counselor and appeals may be directed to the Principal.

High School Program 2010-2011

Typical 9th Grade Schedule

- English: American Literature and Composition or
American Literature and Composition Honors
- Foreign Language: French I or Spanish I
- Math: by placement – see Math section of catalog
- Science: HS Biology or Accelerated Biology
- Social Studies: World History 9 or Advanced Placement World History 9
- Sixth course: usually a Fine Arts course or Physical Education/Health
- Seventh course: chosen from available general elective courses

Typical 10th Grade Schedule

- English: World Literature and Composition or
World Literature and Composition Honors
- Foreign Language: French II or Spanish II
- Math: by placement – see Math section of catalog
- Science: Chemistry, Accelerated Chemistry, or the most appropriate
science course based on math placement and/or future
course plans within science
- Social Studies: World History 10 or
Advanced Placement World History 10
- Sixth course: usually a Fine Arts course or Physical Education/Health,
possibly Writing Workshop upon recommendation of English
Department
- Seventh course: chosen from available general elective courses

Typical 11th Grade Schedule

- English: English Literature and Composition 11 or AP English Literature and Composition
- Foreign Language: French III or Spanish III
- Math: by placement – see Math section of catalog
- Science: Most appropriate science course based on math placement and/or future course plans within science
- Social Studies: US History 11 or AP US History 11
- elective course: chosen from available general elective courses
- elective course: chosen from available general elective courses

Typical 12th Grade Schedule

- English: English Literature and Composition 12 or AP English Language and Composition
- Foreign Language: French IV or Spanish IV
- Math: by placement – see Math section of catalog
- Science: Most appropriate science course based on math placement and/or future college plans within science
- Social Studies: US History 12 or AP US History 12
- elective course: chosen from available general elective courses
- elective course: chosen from available general elective courses

Middle and High School Courses

listed by department



English

Middle School Courses

EN001

Basic English Composition 7

The emphasis in Basic English Composition is academic writing, the types of writing frequently required in middle, high school and college classes. The goal of this class is for students to become comfortable with communicating through writing and understand themselves as writers. Toward this end, students will explore different strategies for approaching any given writing task and ultimately develop a writing process that is their own combination of writing strategies. Students will learn to read texts closely and use examples and quotes from them as support for the topics of their compositions. There will also be a vocabulary and research component to this course.

EN011

English Composition 8

This course concentrates on developing students' skills as a reader, writer and critical thinker. It is based on the reading and writing workshop model, with the class functioning as a community of readers and writers. We will spend time discussing class readings, investigating them as a communal experience, and participating in a reader-to-reader dialogue. The class will also participate in weekly writing workshops in which we will write in a variety of forms, and for a variety of audiences and purposes, using class texts as a model. For example, if we are studying short stories in class, students may be working on writing their own short story in writing workshop. During the duration of this course students will read both teacher and student selected books. Additional units may focus on alternative genres like poetry or short stories. Grammar and vocabulary will be related directly to the reading and writing that we do in class throughout the year.

Course material will be selected on the basis of a tolerance driven theme. As a class we will spend the year studying literature with this overarching message in order to better educate ourselves about the world outside our community, and in the hopes to inspire young people to get involved in making a difference in the world.

EN021

English Composition 8 Honors

This course is more accelerated than the regular course, providing a study of literature that is greater in depth and scope. This course concentrates on developing students' skills as a reader, writer and critical thinker. It is based on the reading and writing workshop model, with the class functioning as a community of readers and writers. We will spend time discussing class readings, investigating them as a communal experience, and participating in a reader-to-reader dialogue. The class will also participate in weekly writing workshops in which we will write in a variety of forms, and for a variety of audiences and purposes, using class texts as a model. For example, if we are studying short stories in class, students may be working on writing their own short story in writing workshop. During the duration of this course students will read both teacher and student selected books. Additional units may focus on alternative genres like poetry or short stories. Grammar and vocabulary will be related directly to the reading and writing that we do in class throughout the year.

Course material will be selected on the basis of a tolerance driven theme. As a class we will spend the year studying literature with this overarching message in order to better educate ourselves about the world outside our community, and in the hopes to inspire young people to get involved in making a difference in the world.

Prerequisite: By teacher recommendation

High School Courses

Graduation Requirements: four credits required; fifth credit optional

EN101

American Literature and Composition

This course introduces students to a variety of literature from the United States, spanning from the early years of the nation to more contemporary times. Students will develop their understanding of literary elements by closely reading, discussing, and writing about poetry, drama, short stories, essays and novels. Because strong writing skills are closely connected with strong reading skills, the literature in this course will be used to facilitate both writing opportunities and the development of critical, analytical thinking about various literary elements. The basic elements of composition – thesis statement, topic sentences, concrete detail, commentary/analysis – are emphasized, and writing fundamentals such as proper grammar, spelling and syntax are reviewed. In addition to frequent in-class writing exercises and homework assignments designed to give students practical writing opportunities, students will write approximately 6 out of class essays during the year.

EN111

American Literature and Composition Honors

This course is more accelerated than the regular course, providing a study of literature that is greater in depth and scope. Students are expected to use and develop sophisticated critical and analytical skills as they examine a variety of literature, including works not taught in the regular course. More writing and outside reading are also expected of the students in this course.

Prerequisite: By teacher recommendation

EN201

World Literature and Composition

This course studies five genres of world literature: essay, short story, novel, drama, and poetry. Students continue to develop their analytical abilities, examining and discussing the ways in which literary elements such as plot, character, setting, theme and symbolism work to create meaning and influence interpretation. This course also continues to emphasize composition, reinforcing the skills learned in the 9th grade and providing frequent, practical writing opportunities. In addition to regular in-class and homework assignments, students write approximately 8 out of class essays during the year.

EN211

World Literature and Composition Honors

This course emphasizes a greater in-depth study of the same genres studied in the regular world literature class, with more writing and outside reading expected of the student. Frequent timed writings, formal essays and research-based papers are the required writings in this class.

Prerequisite: By teacher recommendation

EL201

Writing Workshop 10

This course is an extension of and support for English 10: World Literature. The course objective is to teach students to be self-conscious writers, writers with focus and purpose, writers who think about what they are doing and why they are doing it at every stage of their writing process and every time they sit down to write. It focuses on polishing writing skills, using the 6 Traits, and AIMS preparation where appropriate. This course does not replace the requirement of English 10 or any other core English course; it is taken as a second 10th grade English course that will provide additional writing practice and assistance for those students who want or need it. Open only to those students who are co-enrolled in English 10: World Literature. *This course is an elective course for purposes of credit – while it is an English course and earns a credit, the credit does **not** count as one of the four English credits required for graduation. This course is taken in place of a student's elective course or in place of Integrated Learning Strategies.*

EN301

English Literature and Composition 11

This course focuses on critical thinking and heightened writing skills through reading, discussion, and written analysis of book-length texts and shorter pieces of both contemporary and classic works. It also acts as an introduction for students to the varying schools of literary criticism. Additional written assignments include essays, monologue, a multi-genre project, narrative, and practical application writing such as resumes, college entrance essays, and cover letters.

EN312

Advanced Placement (AP) English Literature and Composition

This course emphasizes the analytical reading of literature to generate a written response to what is read. The literature will be from various periods and cultures and genres, and students will study literary elements, figurative language, literary criticism and theory, and literary eras. They will gain experience in writing essays such as those required on the AP exam. Students are not required to take the AP exam, but they are encouraged to do so. AP students are expected to read 100 pages per week and write 1 essay per week.

Prerequisites: Teacher recommendation and placement exam.

AP Exam Fee (from 2010; may be higher in 2011): \$86

EN402

English Literature & Composition 12 – Sustainability Theme

This course begins with a simple question: what is sustainability? But where this question takes us opens up to a myriad of possibilities. Once we settle on a definition for this term, our next step will be to actively create (or continue) what is sustainable in our world, and to also question and evaluate what isn't. But we will need to do so through the genres of language. We will, of course, glean ideas from literature (this is an English class, you know), and we will immerse ourselves in hours and hours of research. And eventually we will develop one or more projects that will add to the sustainability of our world. Perhaps we will be archiving histories of the area, resurrecting lost lives, even communities, from the dust. Maybe we will focus our energies on place and the environment, developing systems that repair, restore, and revive. Or we might develop sustainable relationships with other communities, perhaps travelling beyond our own backyard to see if a global community is sustainable. If we're willing, maybe all the above and more. Expect many types of writing: research projects, grant writing, interviews, letters, publicity, narrative...whatever is needed to sustain our plans and ideas.

EN411

Advanced Placement (AP) English Language and Composition

This course emphasizes the various forms of composition including expository, narrative and argumentative. Students will learn the research process and the skills necessary for that process – choosing and evaluating sources, summarizing, paraphrasing, synthesizing sources, documenting sources – and will complete a research project. The students will learn critical reading skills to analyze the devices and writing styles used by writers, and they will practice using those skills in their own writing as they write essays such as those required on the AP exam. Students are not required to take the AP exam, but they are encouraged to do so. AP students are expected to read 100 pages per week and write 1 essay per week.

Prerequisites: Teacher recommendation and placement exam.

AP Exam Fee (from 2010; may be higher in 2011): \$86



Fine Arts

Graduation Requirements: one credit within Grades 9-12

All courses listed satisfy the requirement. All three public Arizona universities require one credit of fine arts. Although students are only required to earn one credit of fine arts, many NPA students take multiple art or music courses during their high school years.

Art

NPA's art program covers the Arizona Essential Skills for art in grades 7-12. It includes techniques for using various art materials, basic art vocabulary, art concepts and art history. The emphasis is on student participation.

FA015

Middle School Art Survey

This full year course will introduce students to a media based program, laying the basic foundation for success in Fine Arts courses. Each quarter a different subject will be investigated (Art, Photography, Drama, Graphic Design/Classroom Technology) Each unit of study will include lessons which incorporate the elements and principles of art and design, technique demonstrations, art history, and art criticism. Personal interest and exploration are encouraged.

Art Segment: In a 9 week course, there will be 7-8 week long projects, with a little wiggle room added in. The art elements and principles will be addressed, with one project devoted to an element or principle. Possible projects include: Scratch art, Kitemaking, Coiled Containers, Watercolor, Artist Trading Cards, Cut Paper Silhouettes

Drama Segment: In a 9 week course, there is not enough time to put on a production. However, emphasis will be on group activities, such as drama games and short skits. Students will write their own material and also use pre-written materials. Clips of drama aspects will be shown to emphasize important concepts.

Digital Photography Segment: In this 9 week course, there will be hands on projects focused on basic photo techniques and the workings of a point and shoot digital camera. Art elements /principles of art and basic composition techniques will be applied to each project. This course aims to improve travel photography and photos of friends and family.

Graphic Design/ Classroom Technology Segment: In this 9 week course, there will be hands on projects focused on basic page layout and image editing software. The students will explore PowerPoint, PhotoShop and MS WORD. Art elements /principles of art and basic composition techniques will be applied to each project. This course will provide valuable information for creating sophisticated presentations for classroom projects both on the computer and as standard posters. Elements of scrapbooking will also be covered.

May be offered 2010-11 depending on interest and staffing availability.

FA101 (FA011 in Middle School)

Art I – Introduction to Art

This full year course will introduce students to a media based program, laying the basic foundation for both art appreciation and art production skills. Studio production will include: sketching/drawing (using various graphite, charcoal, colored pencils, oil and chalk pastels), painting (watercolor and acrylics) pen and ink, printmaking, graphic design, and 3-D design (sculpture and ceramics) Each unit of study will include lessons which incorporate the elements and principles of art and design, technique demonstrations, art history, and art criticism. Personal interest and exploration are encouraged! Students are required to keep a sketchbook and a folder of class handouts to prepare for tests.

Students must maintain a “B” average, both fall and spring semester, in order to continue to the advanced level courses.

FA102 (FA012 in Middle School)

Art II – Advanced Art

This full year advanced course will further develop foundation skills learned in the Introduction to Art course by continuing a sequential study of drawing and painting. Artwork and studio projects will include: realistic, abstract, and non-objective styles while incorporating multi media, three dimensional approaches, and compositional development and/or balance placement/layout into their work. Students will continue to cover techniques for various media, and continue to explore art concepts and history through studio projects. Art history and appreciation will be linked to each unit. Students are required to keep a sketchbook, portfolio, and folder of class handouts. Project assignments will be given in class. There is a greater emphasis placed on personal interest projects at this level. If students are unable to finish the assignments in class, the work needs to be completed at home.

Prerequisite: Intro to Art and teacher permission.

FA103 Art III – Advanced Art

FA104 Art IV – Advanced Art

FA105 Art V – Advanced Art

These full year advanced courses will further develop foundation skills learned in Art I & Art II by continuing a sequential study of 2D and 3D media. Increased study in 3D is a possibility. Artwork and studio projects will focus on compositional development. Art concepts, art history and appreciation will be linked to each unit. Students are required to keep a sketchbook, portfolio, and folder of class handouts. Project assignments will be given in class. There is a greater emphasis placed on personal expression and interest projects at this level. If students are unable to finish the assignments in class, the work needs to be completed at home. Projects completed in these courses are eligible for inclusion in an AP Portfolio submission.

Prerequisite: Intro to Art and teacher permission.

Students must maintain an “A” average, both fall and spring semester, in order to be considered for placement in Advanced Placement Art. AP Placement is determined by an interview process and portfolio review.

FA106

Advanced Placement (AP) Studio Art

This is an accelerated course designed for the highly motivated, talented art student who wishes to pursue college-level studies while still in high school, and for the student who is seriously interested in the practical experience of art. This AP course will give students more opportunity for individualized instruction geared towards their own interests and expertise by developing an area of focus /concentration. Students are expected to work at least 6 hours per week outside of class on their projects in order to complete 24 pieces of artwork by the end of the year. AP Studio Art is not based on a written exam; instead, students submit a portfolio to the College Board for evaluation at the end of the year with 24 slides and five pieces of artwork from the following three sections: Breadth, Concentration, and Quality. Projects will be assigned in class. Two AP Studio Art approaches are offered within our AP Studio Art program: Two-Dimensional Design and Drawing. Projects from previous art courses may be included in the AP portfolio submission. Portfolios are submitted to the AP College Board for scoring and will be returned via mail over the summer. Portfolio submission only applies to Juniors and Seniors. Students who receive a score of a 5, 4, or 3 on their portfolios can potentially receive up to twelve credit hours of art course work depending on the university or college the student attends. AP art students must be capable of meeting deadlines and maintain at least a "B" average at the end of fall semester to continue

Prerequisites: Art 1, Art 2 and/or teacher recommendation with portfolio review and interview questionnaire. See Art III-V description above for further detail. Students are encouraged to progress through the course sequence at NPA and reserve their AP year for their junior or senior year.

AP Exam Fee (from 2010; will be higher in 2011): \$86

FA107 (FA007 in Middle School)

Digital Photography I

Students learn photographic principles and techniques that are common to both digital and traditional photography, as well as techniques that apply only to digital photography. Students will become proficient in the use of basic digital camera and photo editing software such as Adobe Photoshop. The course explores technical features that are common on digital cameras, and artistic considerations, such as photo composition. Students investigate exposure control and studio lighting as they investigate the elements and principles of design in a variety of photography approaches such as sports photography and portraiture. Photo editing techniques including special effect filtering, collaged digital, collated scanned images and a variety of other beginning to intermediate photo editing techniques are explored. Students will use an image editor to altering images for both image improvement and artistic considerations.

NOTE: Enrollment is limited. High school students have priority. Students should consult with instructor before requesting registration.

FA108 (FA008 in Middle School)

Digital Photography II

This full year advanced course will further develop foundation skills learned in Digital Photography I. Advanced topics in exposure control and special lighting considerations are investigated. Students will be expected to demonstrate an ability to use the tools competently in the production of their art work; however, the production and analysis of expressive and thoughtful art work is the main objective of this course. For students interested in photography, it is possible to complete AP Studio Art using photography as their focus.

NOTE: Enrollment is limited. High school students have priority. Students should consult with instructor before requesting registration.

Music

FA211 (FA021 in Middle School)

Concert Strings I *(formerly Intermediate Strings)*

A course for students who already play an orchestral string instrument (bowed strings or harp) and want to develop orchestral skills. The format includes time and instruction in sectional and time for ensemble as a whole to rehearse. Members of this group will be offered the opportunity to compete in regional/state competitions. This group will perform regularly throughout the year. Students are responsible for providing their instrument. May be repeated for credit.

Placement by audition. Students who do not play a stringed instrument but want to learn may be admitted into the class by permission of the instructor. Guitarists, classical and otherwise, should enroll in Guitar classes.

FA221 (FA022 in Middle School)

Concert Strings II *(formerly Advanced Strings)*

A course for students who already play an orchestral string instrument (bowed strings or harp) and want to develop orchestral skills. The format includes time and instruction in sectional and time for ensemble as a whole to rehearse. Members of this group will be offered the opportunity to compete in regional/state competitions. This group will perform regularly throughout the year. May be repeated for credit.

Placement by audition. Students who do not play a stringed instrument but want to learn may be admitted into the class by permission of the instructor. Guitarists, classical and otherwise, should enroll in Guitar classes.

FA231 (FA023 in Middle School)

Symphonic Strings (Orchestra)

This class is intended for students who play a stringed orchestra instrument and want to polish their orchestra skills. Students will explore a variety of musical styles. Class time includes rehearsal as a large group, instruction in advancing techniques, and sectional work. Regular practice is required. This group will perform regularly throughout the year. Students will be offered the opportunity to compete in regional/state

competitions. Bring instruments the first day of class unless otherwise notified. May be repeated for credit.

Placement in this group is by audition only.

FA241 (FA024 in Middle School)

Intermediate Choir

Open to all students who would like to sing. There will be basic music theory and sight singing training while learning fun and exciting music that will be prepared for performances. This class will be designed to prepare students for the Advanced Choir experience.

Prerequisite: None

FA242 (FA025 in Middle School)

Advanced Choir

In this course, a variety of advanced music including show tunes, folk music and classical music will be learned and performed. Those who are interested in auditioning for Regional or All State Choirs are encouraged to join. Preparation for auditions will include vocal training and sight singing training.

Prerequisite: Intermediate Choir and/or permission of instructor.

FA251

Jazz Choir

Jazz Choir will provide opportunity for the serious vocal musician to learn advanced music, develop directing skills, some advanced theory skills, stage presence and performing skills. Performances will be scheduled and mandatory.

Prerequisite(s): Open to Grades 9-12 only, by audition

FA235 (FA035 in Middle School)

Beginning Guitar

Beginning guitar is for students who have never played guitar before, or who have had limited experience. We will learn a variety of guitar techniques and styles, all of which include chording and note reading. We focus primarily on classical technical skills and apply those fundamentals to beginning classical, blues and folk music. Nylon string classical guitars are recommended, but steel string acoustic guitars are also acceptable. Electric guitars are not used in this class. Class performances are mandatory. Regular practice is required.

Prerequisite(s): None

FA236 (FA036 in Middle School)

Intermediate Guitar

Intermediate guitar is for students who have passed Beginning Guitar. We build upon the foundations of classical technical skills as learned in Beginning Guitar. Nylon string classical guitars are highly recommended. Electric guitars are not used in this class. Class performances are mandatory. Regular practice is required.

Prerequisite(s): Pass Beginning Guitar or audition.

FA237 (FA037 in Middle School)**Guitar Ensemble**

Guitar Ensemble at NPA is an advanced performing ensemble. Students may enter through audition or permission of the instructor. We will prepare for a variety of guitar styles for both solo and ensemble performance. The group will perform a wide variety of styles including classical, blues, jazz and folk. The group will perform at area restaurants, bookstores, coffee shops, etc., as well as traveling to guitar festivals and competitions. Players must be well versed in all fundamental chords, including barre chords, and be able to read treble clef music. Players must also be familiar with positions I – VIII on the fret board. Classical guitars are used – nylon string of reasonably good quality. Private lessons are recommended for students in this ensemble. Class performances are mandatory. Regular practice is required.

Prerequisite(s): Placement by audition or permission of the instructor.

FA281 (FA028 in Middle School)**Concert Band (formerly Intermediate Band)**

Concert Band is for students who have mastered musical skills to a point where they are ready for membership in a performing band. This is not a beginning band. Therefore, members of this group must have at least one year of experience on their current instrument. One of the purposes of Concert Band is to provide its members with the training and development necessary for future membership in the Symphonic Band. Members of this group will be offered the opportunity to compete in regional/state competitions and solo and ensemble festivals. Private lessons are recommended for students in this ensemble. Class performances are mandatory. Regular practice is required.

Prerequisite(s): One year of experience on current instrument

FA291 (FA029 in Middle School)**Symphonic Band (formerly Concert Band)**

Symphonic Band is for students who have developed a high level of proficiency on their instrument. Students can only be placed in this group by audition or permission of the band director. The Symphonic Band will perform several times throughout the year as well as compete statewide/nationwide against other bands. Members of this group will be offered the opportunity to compete individually in regional/state competitions and solo and ensemble festivals. Private lessons are recommended for students in this ensemble. Class performances are mandatory. Regular practice is required.

Prerequisite(s): Placement by audition or permission of the band director.

FA293 (FA030 in Middle School)**Jazz Ensemble**

Jazz Ensemble is comparable to an honors elective in other humanities. Students can only be placed in this group by audition or permission of the band director. The jazz ensemble will focus on the performance of jazz, blues and funk styles as well as the application of music theory through improvisation. The music is difficult and requires highly motivated participants. The jazz ensemble may perform for a variety of smaller venues around town in addition to concert programs here at NPA. Members of this group will be offered the opportunity to compete individually in regional/state jazz

competitions. Private lessons are recommended for students in this ensemble. Class performances are mandatory. Regular practice is required.

Prerequisite(s): Placement by audition or permission of the band director.

Dance

FA301 (FA031 in Middle School)

Dance

The dance class style is Jazz. We will be working on Jazz dances, technique, steps that are progressive, along with correct body posture, rhythm, flexibility, coordination and conditioning. A variety of turns, leaps, jumps and across the floor combinations will be taught. We will also be working on Lyrical dances, expressing music and lyrics through dance. Students will have the opportunity to actively participate with choreography in selected parts of a dance. There will be at least two performances throughout the year with other opportunities to perform.

Prerequisite(s): None

Drama

FA041

Beginning Drama – Middle School

Beginning Drama introduces the basics of theater: stage position and direction, focusing techniques, improvisation, scene analyses, physical action, and much more. Students will be performing several in-class skits, scenes and monologues. Students in Beginning Drama will also put on a performance for parents and students; there will be one each semester.

FA401

Beginning Drama – High School

Beginning Drama introduces the basics of theater: stage position and direction, focusing techniques, improvisation, scene analyses, physical action, and much more. Students will be performing several in-class skits, scenes and monologues. Students in Beginning Drama will also put on a performance for parents and students; there will be one each semester.

Prerequisite(s): open to students in grades 9-12 only



Foreign Language

Middle School Courses

FL001

Latin I

Latin I introduces students to the myth, literature and culture of the ancient Greeks and Romans. The text, *Ecce Romani*, emphasizes the learning of Latin vocabulary and grammar, skills that increase the students' understanding of the English language and prepares them for the study of modern languages. The adventures and stories of the fictional Cornelii family give the students a feel for Roman culture and daily life in A.D. 80. Latin I is required for all 7th graders and is a prerequisite for Latin II.

FL011

Latin II

This class, for 8th grade students, continues to study of the Latin language, introducing past verb tenses and a more thorough understanding of noun declensions. We continue our acquaintance with the Cornelii family as they make their way to Rome. In myth, we will study Greek heroes and the qualities that make a hero. At the completion of Latin II, students will move on to their choice of modern language.

Prerequisite: Latin I and permission of instructor

High School Courses

Graduation Requirements: minimum three credits required within Grades 9-12; four credits recommended

FL111

French I

The students will begin working on speaking, reading, listening to and writing French. This first year in particular, the students will learn how to accomplish basic tasks in French, using all four of the above-mentioned skills. In addition, the students can expect to begin learning about France and the French, as well as French-speaking people around the world.

Prerequisite: None

FL211

French II

Using the four skills necessary for proficiency – speaking, listening, reading, and writing – the students will continue to learn about the French-speaking world and continue to

work on being able to communicate in daily interactive situations. There will be an increasing emphasis on oral proficiency this second year.

Prerequisite: Grade of C or better in NPA's French I or by placement exam

FL311

French III

Again, through using all four proficiency skills –speaking, listening, reading and writing – the students will continue their study of grammar and the Francophone world. There will be an increasing emphasis on writing as well as on oral work.

Prerequisite: Grade of C or better in NPA's French II or by placement exam

FL411

French IV

The students should expect to improve in all four areas of language acquisition: reading, writing, listening and speaking. The vehicles for much of this will be the reading and studying of short stories, the study of French films, a revision of grammar and the writing of compositions. Occasionally, there will be short units on French Art and History.

Prerequisite: Grade of C or better in NPA's French III or by placement exam

FL441

French IV Honors

This class will meet as a subgroup during the French IV class. The French IV Honors class will challenge those students who are capable of moving very quickly through the regular French IV materials. They will read more literature and be required to master finer points of French grammar.

Prerequisite: Students should have an A in French III and permission of the instructor to enroll in this class.

FL131

Spanish I

Spanish I introduces the fundamentals of pronunciation, basic vocabulary, grammar of the Spanish language. The class is designed to give students the foundations to proficiency that will satisfy basic and routine social situations and limited work requirements. Students will be introduced to the present and preterit indicative tense of the language. Students begin to develop basic communication skills such as reading, writing and speaking in Spanish. Students are also introduced to different cultures of the Spanish speaking world.

Prerequisite: None

FL231

Spanish II

Spanish II builds on the basics of pronunciation, vocabulary and grammar of the Spanish language. The class is designed to build students skills necessary to satisfy routine social demands and limited work requirements. Students will continue to improve upon mastering the present and preterit tenses as well as being introduced to the future, imperative and imperfect indicative tenses. Students will strengthen their communicative skills for reading, writing and speaking with emphasis on daily

interactive situations in Spanish. Students will also gain a wider knowledge of cultures of the Spanish speaking world.

Prerequisite: Grade of C or better in NPA's Spanish I or by placement exam

FL331

Spanish III

Spanish III continues to build on the information of the previous two years of Spanish. There is a greater emphasis on oral proficiency; however a significant amount of time will be applied to reading and writing. Students should begin mastering the future, imperative and imperfect tenses. They will be introduced to the subjunctive mood and perfect tenses. Students should have the skills necessary to satisfy social demands and limited work requirements. Students continue to learn about Spanish speaking cultures as well as have a chance to encounter Mexican cultures first hand by participating in a Mexican Immersion experience.

Prerequisite: Grade of C or better in NPA's Spanish II or by placement exam

FL431

Spanish IV

Spanish IV continues to build on the information of the previous three years of Spanish. There is a greater amount of emphasis on speaking, reading and writing proficiency. Students master all previous tenses as well as fine tune all information learned in the past several years of study. Students also study various forms of literature, film and music of Latin America. Students should have the skills necessary to satisfy social demands and limited work requirements. Students continue to learn aspects of Latin American cultures as well as have a chance to encounter Mexican cultures first hand by participating in a Mexican Immersion experience.

Prerequisite: Grade of C or better in NPA's Spanish III or by placement exam



Mathematics

High School Graduation Requirements: taking four years during grades 9-12 required; Classes of 2013 and beyond need 4 credits of math to graduate, including one year beyond Algebra II.

IMPORTANT NOTES:

Students and parents should remember that the public Arizona universities require one year of math beyond Algebra II. Students who take Pre-Algebra in the ninth grade and who plan to go to a public university in Arizona must take math courses in summer school in order to complete Algebra I, Geometry, Algebra II, and FST (Functions, Statistics and Trigonometry) before graduating from NPA.

Please note that students are registered for all courses after placement by exam and/or by teacher recommendation. Students need a grade of C or better to progress to the next appropriate math course in the sequence.

EL199 (EL099 in Middle School)

Math Lab

Math Lab is a math companion course taken by students in Pre-Algebra, Algebra, or Geometry who are in need of additional instructional support as they proceed through their main math course. Instruction will focus on recapping new concepts and approaching them in multiple modes, and troubleshooting difficulties identified and reported by each student's math teacher. Students are identified for this course by their math instructors, usually in the spring prior to enrollment through placement testing or performance indicators from their prior course in the math sequence, but possibly in the middle of a school year if deemed necessary for successful completion of their main math course.

*This course is an elective course for purposes of credit – while it is a math course and earns high school students a unit of elective credit, the credit does **not** count as one of the four math credits required for graduation. This course is taken in place of a student's elective course or in place of Integrated Learning Strategies.*

MA201 (MA011 in Middle School)

Pre Algebra

This course provides final preparation for formally studying algebra. Students are introduced to elements of algebra (integers, rational numbers, irrational numbers, and variables). The focus, however, is on each student solidifying his or her understanding of basic concepts and problem solving. In addition students learn basic probability, statistics, and graphing concepts useful in everyday life. Students also review and extend their knowledge of two- and three- dimensional geometric concepts.

Prerequisite: Placement by examination or permission of instructor.

MA311 (MA041 in Middle School)

Algebra I-B

This is the second half of a two year high school level algebra course that covers the following topics: equation solving; inequalities and their solutions; factoring; graphing linear equations; solving and graphing quadratic equations. Algebra I is a foundation for all higher level math courses.

Prerequisite: Placement by examination, a final grade of "C" or better in Algebra I A, or permission of instructor.

MA321 (MA031 in Middle School)

Algebra I

This is a standard high school level algebra course that covers the following topics: operational symbols and their properties; integers and rational numbers and their properties; equation solving; inequalities and their solutions; factoring; linear equations and graphing; quadratic equations – solving and graphing. Algebra I is a foundation for all higher level math courses.

Prerequisite: Placement by examination, a final grade of "C" or better in Pre Algebra, or permission of instructor.

MA401 (MA051 in Middle School)

Geometry

The geometry course provides a general overview of geometric principles with a review of algebraic concepts and factoring. Topics for geometry include, but are not limited to: constructions, transformations, triangle relationships, parallel line relationships, circle relationships, areas, and volumes.

Prerequisite: Placement by examination, a final grade of "C" or better in Algebra I or Algebra I-B, or permission of instructor.

MA501

Algebra II

This second course in algebra reviews and expands on the concepts introduced in Algebra I. New topics include polynomials, matrices, trigonometry, exponents, and logarithms. A graphing calculator is necessary, and it is recommended that students use a TI-83 or TI-84, the calculator that the instructor will be using to explain the material.

Prerequisite: Placement by examination, a final grade of "C" or better in Algebra I and Geometry, or permission of instructor.

MA601

Functions, Statistics and Trigonometry (FST)

FST is a one year course for students who have successfully completed Algebra II but are not yet ready for Pre-Calculus. Functions, statistics, and trigonometry are viewed as the result of transformations. This course provided materials for students to learn to display, describe, transform, and interpret numerical information in the form of data, graphs, or equations. A graphing calculator is necessary for this course. Students in grades 10 or 11 who successfully complete this course will go on to Pre-Calculus.

Prerequisite: Successful completion of Algebra II or permission of instructor.

MA701

Precalculus

Precalculus is a three semester course. The first two semesters are referred to as Precalculus; the third semester, along with the first semester of Calculus is referred to as Precalc/Calc, and is part of MA801.

The major focus of the Precalculus class is functions – twelve basic functions, their graphs, analysis of the functions, general characteristics of families of functions and application of this knowledge using real data. Emphasis will be placed on solving and modeling using these functions for application in real world situations.

Prerequisite: Successful completion of FST or a final grade of "A" in Algebra II or permission of instructor.

MA801

Precalculus/Calculus

During this last semester of precalculus (fall), topics covered include: vectors, parametric and polar equations; operations with matrices; analytic geometry (conic sections and their applications in science), and discrete mathematics which includes binomial theorem, sequences and series, mathematical induction, and probability and statistics.

Topics covered during the first semester of calculus (spring) include: rate of change, limits (including limits involving infinity), tangent and normal lines, differentiation, power rule, product rule, and quotient rule.

Prerequisite: A final grade of "C" or better in Precalculus, or permission of instructor.

MA901

AP Calculus AB

This course prepares students for the Advanced Placement Calculus AB test which is administered in May. Topics include: displacement; velocity and acceleration as derivatives; derivatives of trigonometric, exponential and logarithmic functions; chain rule; implicit differentiation; finding critical points; antidifferentiation; Fundamental Theorem of Calculus; antiderivatives and slope fields; integrations by parts and by substitution; exponential growth and decay; areas in the plane; volumes; applications to science and statistics. After the AP exam, we will also cover L'Hopital's rule, improper integrals, and partial fractions.

Prerequisite: A final grade of "C" or better in Precalculus/Calculus, or permission of instructor.

AP Exam Fee (from 2010; will be higher in 2011): \$86



Physical Education and Health

Middle School: 7th grade students may take PE001. All 8th grade students take a PE class, and will take either PE001 (if they did not take it in Grade 7 or wish to repeat it) or PE003 (if they did take PE001 in Grade 7).

High School Graduation Requirement: One half-credit (or substitute – see #1 and 4 below) of Health required sometime during grades 9-12.

***NPA's Health Requirement may be satisfied in any of the following ways:

1. Completing PE102 as a year-long elective choice at some point within Grades 9-12;
2. Earning one-half credit of Health (strictly Health) from another school as transfer credit or summer school credit prior to the start of 12th grade; or
3. Earning one-half credit of Health (strictly Health) through an accredited online school prior to the start of 12th grade
4. Completing an NPA-sponsored non-credit summer session targeted to the deliver the health content from the PE102 class.

NOTE: Any student who has not satisfied the requirement prior to the start of 12th grade will be automatically enrolled in PE102 for 12th grade as a sixth course beyond his/her five core classes.

PE001

Physical Education/Health (Middle School Course)

This course includes two complementary components. The classroom health component addresses Arizona State Standards for health education, including fitness, nutrition, disease prevention, personal health behaviors, and many others in an effort to promote a healthy lifestyle both physically and mentally. The physical application component will include exercise as well as instruction and practice in basics of various team sports. Students will be expected to participate actively in both components of the course and follow guidelines regarding appropriate clothing for physical activity, safety issues, and proper use of gym equipment and space.

NOTE: All 8th grade students will take either this course or PE003 during 8th grade, even if they have already taken PE001 during 7th grade.

Prerequisite: None

PE102

Recreation Fitness/Health

Intended for students in Grades 9-12, this course emphasizes basic skill development in all areas of sports, games, and fitness. The course provides more specific and individualized instruction with a decreased level of intense competition. The classroom health component addresses Arizona State Standards for high school health education,

including fitness, nutrition, disease prevention, personal health behaviors, and many others in an effort to promote a healthy lifestyle both physically and mentally. **The health component of this year-long course will satisfy the NPA High School Health requirement.**

Prerequisite: None

PE103 (PE003 for 8th grade students)

Sports/Physical Education 8-9

Intended for students in Grades 8 and 9, this class offers a higher level of competition and skill development than PE001 or PE102. Previous athletic experience or participation in team sports is preferred. **This course does not include a Health component and therefore will not satisfy NPA's Health requirement.**

High School Prerequisite: None, but students should discuss course with instructor.

Middle School Prerequisite: PE001

PE104

Sports/Physical Education 10-12

Intended for students in Grades 10-12, this class offers a higher level of competition and skill development than PE103. Previous athletic experience or participation in team sports is preferred. **This course does not include a Health component and therefore will not satisfy NPA's Health requirement.**

High School Prerequisite: Students should be planning to participate in team sports at NPA



Science

Middle School Courses

SC001

General Science 7

The 7th grade General Science course serves as a comprehensive starting point for the 7th grade students beginning their journey toward more advanced and specific scientific endeavors. The emphasis of this course is on life science and earth science, drawing on the connections between the two areas. The class aims to incorporate hands-on activities and inquiry-based learning. Students practice basic lab techniques, participate in individual and group experimentation, and observe classroom demonstrations. Throughout the course, emphasis is placed on following the scientific method, writing lab reports, designing experiments, and developing powers of observation. Additionally, all 7th grade science students will participate in a school-wide science fair.

SC011

Physical Science 8

Physical Science is an introduction to the basics of chemistry and physics. The physics portion of the course will cover energy and motion, waves, light, sound, and electricity. The chemistry portion will include studies of the basic nature of matter, kinds of substances and how these substances interact. The course will include many hands-on lab activities ranging from short mini-labs to more in-depth multi-day investigations. The course aligns with the National Science Education Standards.

SC021

Physical Science 8 Honors

General Science 8 Honors is an introduction to the basics of chemistry and the basics of physics. The physics portion of the course will cover energy and motion; waves, light, sound, and electricity. The chemistry portion will include studies of the basic nature of matter, kinds of substances and how these substances interact. The honors students' more advanced standing in mathematics, relative to the average 8th grade student, will allow a more in-depth quantitative study of these subjects than is possible in the standard course. The course will include many hands-on lab activities ranging from short mini-labs to more in-depth multi-day investigations. This course will provide an excellent foundation for taking both chemistry and physics at the high school level in addition to a strong process background for the life sciences. The course aligns with the National Science Education Standards.

Prerequisites: Teacher recommendation

High School Courses

Graduation Requirements: three credits laboratory science required; four recommended

SC101

HS Biology

This course, typically taken during 9th grade, serves as a comprehensive introduction to the life sciences. The course will emphasize the ecological connections that run throughout biology and relate them to all the major aspects of the discipline. The course is broken into 4 quarter units: Ecology, Cells and Cell Processes, Prokaryotes, Eukaryotes and Plants, and Animals and Animal Systems. There are high expectations of the students in an effort to prepare them not only for the AIMS Science Test but also for the future option of AP Biology later in high school.

Prerequisite: None

SC121

Accelerated Biology

Accelerated Biology is a first year biology course for the more advanced student with a desire to pursue a more in-depth study of biology. The students will generally cover the same topics as in SC101, but the information will be in greater depth and the lab experiments will differ slightly. Students in the course must expect additional assignments and a faster pace, preparing them for the future challenge of AP Biology.

Prerequisite(s): Teacher recommendation

SC201

Chemistry

General Chemistry I is a college preparatory lab course covering chemistry including a moderate amount of math. The course covers atomic structure, chemical reactions, chemical naming, chemical periodicity, solutions, thermodynamics, bonding, organic chemistry, acids/bases, and nuclear chemistry. This class is recommended for a student who has interest in going on in science in college but not necessarily majoring in science.

Prerequisites: Successful completion of Algebra I. Students not following safety procedures may be administratively dropped from the class.

SC221

Accelerated Chemistry

Accelerated Chemistry is a first year lab-intensive chemistry course for the more mathematically advanced student with a desire to pursue a more in-depth study of Chemistry. The student will cover in more mathematical detail much of the same topics as the general Chemistry class. Depth is the key so the student electing this course must expect more homework and a faster pace. This course is intended for the serious science student who may go on to AP Chemistry and/or may major in science in college.

Prerequisite: A final grade of A in Algebra I is strongly advised. Students not following safety procedures may be administratively dropped from the class.

SC301

Earth, Space and the Environment

This course serves as a combined study of Earth Science and Environmental Science. The course emphasizes the dynamic processes that shape the earth and how these processes influence life on the earth. The lectures, reading assignments and lab experiments strive to encapsulate elements of biology, chemistry, and earth science in an effort to address current environmental issues. The main topics include geology, climate and weather, astronomy, and environmental science topics.

Prerequisites: None

SC311

Physics

This course examines light, mechanics, electricity, electromagnetism, sound, and nuclear physics. It is extremely mathematical in nature with significant application and lab work.

Pre-requisites: Successful completion of Algebra II. Students not following safety procedures may be administratively dropped from the class.

SC321

Accelerated Physics

This honors level course examines the Physics topics of mechanics, electricity, electromagnetism, sound, optics, waves and some relativity. This course covers additional topics beyond the standard Physics course and therefore progresses at a faster pace. Students successful in this course could be well prepared for the SAT Subject Test in Physics; excelling students could consider sitting for the AP Physics B exam.

Pre-requisites: Grade of A in Algebra II and concurrent enrollment in a math course beyond Algebra II, preferably PreCalculus. Students not following safety procedures may be administratively dropped from the class.

SC401

Advanced Placement (AP) Biology

AP Biology is a capstone course that is taught at a college level where students can earn college credit if they do well on the AP exam. The concepts include cell chemistry, cell morphology, genetics, ecology, evolution, and population genetics. AP Biology is a fast paced course that requires students to be self-motivated and willing to push themselves academically. The book used is "Biology" 5th ed. By Campbell, Reece, and Mitchell ISBN# 0-8053-6566-4.

Prerequisites: (1) High School Biology or Accelerated Biology and (2) high school chemistry.

AP Exam Fee (from 2010; will be higher in 2011): \$86

SC411

Advanced Placement (AP) Chemistry

AP Chemistry is a college level lab course covering the same topics as Chemistry I in greater depth, with the added topics of thermodynamics, equilibrium, nuclear chemistry and a basic introduction to organic topics. This course prepares students to take the

College Board AP Chemistry exam. This program includes up to 12 labs on Saturdays at Coconino Community College as part of the course curriculum.

Prerequisite: Successful completion of Biology and Accelerated Chemistry.

Consideration will be given to students with an A in Chemistry.

AP Exam Fee (from 2010; will be higher in 2011): \$86

SC421

Advanced Placement (AP) Environmental Science

AP Environmental Science is a college level course that encapsulates elements of biology, chemistry, and earth science. In an effort to address current environmental issues, students will take at least 5 mandatory field trips throughout the year to reinforce classroom learning and current events. This course can be broken into approximately five units: Ecosystems and How They Work, The Human Population, Renewable Versus Nonrenewable Resources, Energy, Pollution and Prevention, and Working Towards a Sustainable Future. As in all AP courses, students are expected to be well disciplined in studying and time-management, have excellent reading and writing skills, and be able to work at a fast pace dealing with complex topics. College credit can be earned if a student does well on the AP exam. The book used is "Living in the Environment" 12th ed. By Miller ISBN# 0-534-37697-5.

Prerequisites: Successful completion of HS Biology and Chemistry.

AP Exam Fee (from 2009; will be higher in 2010): \$86



Social Studies

Middle School Courses

Middle school students are required to take one year of cultural and physical geography and one year of US History. The Middle School social studies classes correlate with Middle School English, where students read literature based on regions and time periods being studied.

SS001

World Geography and Cultures 7

7th Grade World Geography and Cultures is a year long course. The entire world is covered in 7th grade. Students take map quizzes every chapter. There are chapter tests every 2 chapters. The purpose of the course is for students to learn geographic terms and events. With that knowledge, they learn how geography affects the people who live in that region and how the people can change the geography. Along with learning the geography of the world, the students also learn the culture of the people. By the end of the year students have a firm grasp on the similarities and the differences within geographic regions around the world. They also understand that the differences among and within cultures are just that, differences. They learn to respect diversity and not judge people based on stereotypes and misinformation.

SS011

US History 8

8th Grade US History is split into three sections. The first section covers Colonial English settlements in America through the American Revolutionary War and the formation of the Constitution. The second section explores the history and government structure of Arizona. The third and final section begins with the causes of the Great Depression and culminates with the study of current conditions in the US. By the end of the year students will have a full understanding of the causes and effects of American historical events. Students examine all perspectives of varying groups of people and events. They learn to view history as not a set story, but events that are interpreted differently by different groups. They also learn the workings of the United States government. By the end of the year they know the powers of the different branches, the rights of all people, and that democracy is a process we continually reinterpret and work to improve.

SS021

US History 8 Honors

This course follows the same timeline and format as the other 8th grade classes. However, critical analysis of historical information and perspectives is an emphasis at the honors level. There is more in-depth exploration of the subject matter, especially focusing on more discussion of the themes and concepts. There is also substantially more reading and writing required in honors US History.

Prerequisite: Teacher Recommendation

High School Courses

Graduation Requirements: four credits required

SS101

World History 9 – World History to 1800

Honors World History is a survey course taken during 9th grade that emphasizes the history of world civilization. A survey of the major cultural, political, social, and economic developments of western cultures will be examined. This course covers World History from the rise of civilizations to the Industrial Revolution. Primary source documents, the historical method, and research and writing in the discipline of history are emphasized.

SS111

Advanced Placement World History 9 – World History to 1800

This course is an AP course. The students will be prepared to take the AP World History test at the end of 10th grade. This course covers World History from the beginning to the Industrial Revolution. In an AP course, the students are expected to perform at an elevated level. They are expected to be self-motivated. The course is reading and writing intensive and focused on in depth historical analysis. The purpose of an AP course is to develop greater understanding of evolution of global processes and contacts, in interaction with different types of human societies.

Prerequisite: Teacher Recommendation

SS201

World History 10 – World History 1800 to Present

Modern World History is a continuation of the 9th grade World History survey up to the present day. Students will examine significant cultural, political, geographic, social and economic developments of world societies based on the foundational knowledge of civilizations gained in their 9th grade course studies. Primary source documents, the historical method, and research and writing in the discipline of history are emphasized.

SS211

Advanced Placement World History 10– World History 1800 to Present

This course is an AP course. The students will be prepared to take the World History AP test at the end of 10th grade. This course covers World History from the Industrial Revolution to the present era. As an AP course, the students are expected to perform at an elevated level. They are expected to be self-motivated. The course is reading and writing intensive focused on in depth historical analysis. The purpose of this course is to develop greater understanding of evolution of global processes and contacts, in interaction with different types of human societies.

Prerequisite: Teacher Recommendation

AP Exam Fee (from 2010; will be higher in 2011): \$86

SS301

US History 11 – US History to 1900

This course engages United States History from its pre-Columbian past until the beginning of the Industrial Revolution. Strands of government and economics (as well

as archaeology and anthropology) are woven into the tapestry of America's history to achieve a more holistic understanding of our rich and multi-cultural heritage. Emphasis is placed on reading, writing and critical thinking. Students will address the differences between primary and secondary literature as well as learn how historians string facts together to compose historical narrative. Students will, therefore, make presentations, write papers—both research papers and literature reviews—and take essay based tests.

SS311

Advanced Placement (AP) United States History 11 (to 1877)

This course, the first year of a two-year sequence (11th through 12th Grade), follows the study of US History from pre-Colonial society through Reconstruction. Strands of government and economic study are wrapped into the course to create a more holistic understanding of the developments in American society throughout history. AP US History is a rigorous course that emphasizes regular independent reading, critical thinking, and research. Special training in skills related to analysis of historical documents is stressed. Students may take the Advanced Placement test in May, for which college credit may be given for a qualifying score. This course fulfills the American History, Government, and Economic requirements.

Prerequisite: Successful completion of SS211 or permission of instructor

SS421

US History 12 – US History 1877 to Present

This course engages United States History from its post-Civil War legacy until the end of the Cold War and beyond. Strands of government and economics are woven into the tapestry of America's history to achieve a more holistic understanding of our rich and multi-cultural heritage. Emphasis is placed on reading, writing and critical thinking. Students will address the differences between primary and secondary literature as well as learn how historians string facts together to compose historical narrative. Students will, therefore, make presentations, write papers—both research papers and literature reviews—and take essay based tests. This course fulfills the American History, Government, and Economics requirements.

SS431

Advanced Placement (AP) United States History 12 (1877 to present)

This course, the second year of a two-year sequence (11th through 12th Grade), follows the study of US History from post-Reconstruction to the present. Strands of government and economic study are wrapped into the course to create a more holistic understanding of the developments in American society throughout history. AP US History is a rigorous course that emphasizes regular independent reading, critical thinking, and research. Special training in skills related to analysis of historical documents is stressed. Students may take the Advanced Placement test in May, for which college credit may be given for a qualifying score. This course fulfills the American History, Government, and Economics requirements.

Prerequisite: Successful completion of SS311 or permission of instructor

AP Exam Fee (from 2010; will be higher in 2011): \$86



Electives

EL000

Integrated Learning Strategies

Integrated Learning Strategies is a non-credit course which course offers supportive instruction to teach skills necessary for success across all of their coursework including time management, goal-setting, research skills, note-taking skills, and decision making skills.

Prerequisite(s): Demonstrated ability to remain on task during individual work situations

EL001

Integrated Learning Strategies 7

Integrated Learning Strategies 7 is a non-credit course exclusively for seventh graders which offers supportive instruction to teach skills necessary for success across all of their coursework including time management, goal-setting, team building and peer-related work skills, research skills, note-taking skills, and decision making skills. This course is especially designed for seventh graders.

EL009

Integrated Learning Strategies 9

Integrated Learning Strategies is a non-credit course which course offers supportive instruction to teach skills necessary for success across all of their coursework including time management, goal-setting, research skills, note-taking skills, and decision making skills. *This course is especially designed for ninth graders who did not attend NPA for middle school, and may not be offered as a distinct ninth-grade option if numbers of such students do not support a separate class.*

SE101 (SE001 in Middle School)

Transitional Study Skills

This course is taken by many of the students who have an Individual Education Plan (IEP). Students are given the opportunity to develop their study skills and complete assignments under the supervision of and with assistance from a special educator. Credit is awarded on a pass/fail basis to high school students.

Prerequisite: Placement is made by the Director of Special Education

EL301 (EL003 in Middle School)

Mock Trial

Mock Trial is a courtroom competition. Students will learn about law and even get to fine tune their acting skills. This course is designed for students **new** to the Mock Trial program who have a genuine desire to learn about the law and participate in the school's Mock Trial program. This course may **not** be repeated for credit.

Prerequisite(s): Open to grades 8-12 only.

EL501

Publications/Yearbook

Students in this class will produce NPA's yearbook. Before actual production begins, however, students will be required to complete units in yearbook rationale and philosophy (including legal issues); photography; copy, caption, and headline writing; yearbook page layout; and advertising. The fourth quarter will focus on additional publications skills in both print and web design.

Prerequisite(s): Open to grades 9-12, Grade 8 with permission of instructor

EL601

Introduction to Psychology

This course covers a broad range of phenomena relating to what it is to be human. In this course, students will study the science of psychology including theories, research methods and experiments, the brain and behavior, memory, human development, sleep/sleep disorders, states of consciousness, learning, motivation and emotion, personality, psychological disorders, therapies, and social psychology. This course, if taken as a senior, can be considered as a fifth core class in place of a fourth year of science or foreign language.

Open to grades 10-12.

May be offered 2010-11 depending on interest and staffing capabilities.

EL602

Advanced Placement (AP) Psychology

The purpose of Advanced Placement Psychology is to introduce motivated and talented high school students to the scientific study of behavior and mental processes. Students are exposed to a wide variety of content areas within the discipline of psychology: psychological history and approaches, research methods, biological bases of behavior, developmental psychology, sensation and perception, consciousness, learning, memory, cognitive processes, language, intelligence, motivation, emotion, personality, gender and sexuality, stress and health, psychological disorders and therapies, and social psychology. Classroom methods involve a balance between lecture, discussion, and interactive activities and demonstrations, with a focus on the processes and interpretation of original psychological research. Another focus throughout the course is for students to apply their knowledge of psychology to their everyday lives. Students gain insight into their own behaviors and mental processes, as well as an appreciation for similarities and differences between other humans.

Open to Grades 11 and 12. This course, if taken as a senior, can be considered as a fifth core class in place of a fourth year of science or foreign language.

AP Exam Fee (from 2010; will be higher in 2011): \$86

EL911

AutoCAD I

AutoCAD is an elective course for high school students. It teaches the use of AutoCAD to generate creative designs (e.g. Sierpinski's triangle, cardioids, etc.), mechanical

drawings, and architectural drawings. Students will create title blocks for their drawings, and learn the basics of 2-dimensional drafting using the AutoCAD LT 2004 software.
Prerequisite(s): Open to grades 9-12 only.

EL921

AutoCAD II

Returning CAD students will learn more advanced applications within AutoCAD.
Prerequisite(s): EL911 (AutoCAD I)