

Nathan Hale High School Course Guide 2015-2016

“The purpose of Nathan Hale High School is to ensure that ALL students will become honorable, thinking, skillful citizens.”

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NATHAN HALE HIGH SCHOOL COURSE GUIDE

The purpose of Nathan Hale High School is to ensure that ALL students will become honorable, thinking, skillful citizens.

As a learning community we:

- ❖ Value a personal caring relationship with each student
- ❖ Value in-depth study, critical thinking, creativity and reflection, believing our students learn by doing
- ❖ Believe that all students-wherever they are as learners-will meet high standards
- ❖ Expect that teaching is the essential act of all adults at school
- ❖ Expect all members to understand, model and promote social justice
- ❖ Promote a climate of respect, trust, and decency
- ❖ Expect that all discipline be firm, fair, positive, and consistent
- ❖ Empower students and their families in the learning process
- ❖ Commit ourselves to those students who historically have not been successful

We are pleased and honored that you are joining us for your secondary education. You are about to begin the important process of selecting your classes for next year. We encourage you to process your choices and weigh all the options carefully before making your final selections. The choices you make now may affect your future opportunities, as well as your overall satisfaction with your high school experience. This guide has been prepared as a resource for you.

The Nathan Hale High School curriculum offers students a balanced educational experience focusing upon developing critical thinking and communication skills so that our students become members of a responsible, democratic citizenry. Our school is nationally recognized as a leader in school reform efforts that result in providing a rigorous and relevant education for our young adults that is intentional, integrated, and collaborative in nature. Students will graduate with the greatest number of opportunities open to them. Honors, Advanced Placement, and modified transcript designations are awarded for work in our full-inclusion classrooms and are available across the curriculum. We invite you to consult our website at www.hale.seattleschools.org to learn more about our “best practices” as outlined by our school philosophy, the Coalition of Essential Schools, and Small Learning Communities.

Please let us know when and how we can serve you as you process your course selections. We are committed to a rich and rewarding high school educational experience for you and your family.

Nathan Hale High School Administration: 206-252-3680

Principal: Jill Hudson, Ed.D.

Assistant Principal: Jolene Grimes

Ninth Grade Coordinator: Tina Tudor

Assistant Principal: Craig Richardson

Nathan Hale High School Counseling Staff:

Marion Howard

Counsels: Students with the last names beginning with A-G

Kitty Burke & Steven Park

Counsels: Students with the last names beginning with H-N

Tina Camero

Counsels: Students with the last names beginning with O-Z

Counseling Secretary: Lori Takahashi

About Choosing Your Classes

Although graduation from high school requires earning credits in specified subjects, students have many choices. With careful planning, you can explore personal and career interests and still take the prerequisites needed for your post-high school plan(s).

Your high school guidance counselors want to help you with that planning process. Our goal is to be welcoming and informative as we help you plan your four years at Nathan Hale and beyond. Counselors monitor your yearly progress toward graduation and help refine your goals as you encounter obstacles and opportunities through your course work. We maintain your academic records, interpret grades from other schools, and guide you toward experiences that may enhance your total education. We encourage you to make an appointment with your counselor at least once each semester to go over registration choices and review your credits. You may see your counselor more often if you have specific questions.

In addition to asking your school counselor about what courses to take, parents, teachers, and peers can advise you regarding your high school course selections. Teachers can also advise you on how you are currently doing, whether your goals are realistic, and in which areas you need to improve. Also, teachers can describe the content of courses offered in their particular department.

As you choose courses, consider these things:

- Identify which high school graduation requirements you have completed and which ones you have left to complete.
- Think over what you want your high school diploma to mean. Will it qualify you for certain types of employment? Will it qualify you to enter a four-year college? Does it show consistent progress toward graduation? These goals may change every few months. Be sure to think about your goals before you commit yourself to the next semester of classes.
- Consider your level of commitment if you want to take an AP class as a junior or a senior. AP classes use college-level textbooks and can be academically rewarding; however, they are also academically challenging.

Retaking classes in which you did not receive credit: To retrieve credit for a failed course, contact your academic counselor.

SCHEDULING PRIORITIES

Each student should register for six classes, keeping in mind the following priorities:

1. **Graduation requirements:** The high school graduation requirements ensure that each student will attain a certain level of development and complete a well-rounded program.
2. **Future Plans:** High school is an opportunity to explore one's interests while meeting graduation requirements. It is important therefore, to take courses that lay a foundation for four-year or community college, vocational training, military or other employment options.
3. **Interests and Abilities:** Students should be realistic about their ability levels and interests. Selected courses should be challenging, rewarding, and motivating. Students are encouraged to talk with their mentors, teachers, families, and/or counselors about their plans.

You will notice on your option sheets that some decisions have already been made for you depending on your grade level. We schedule on a year-long basis to ensure that you will be on track to successfully graduate from Nathan Hale with a rigorous, relevant educational experience. **Therefore, the choices you make are CRITICAL not only to your learning, but to the development of our master schedule and course offerings.** When you choose a course you are signaling not only your *interest* but also your commitment to complete that course to the best of your ability.

COURSE DESCRIPTIONS

Although this is a catalog, not all courses in this guide are offered annually. Ultimately the number of students who select that course, teacher availability, and budget constraints determine what courses will be offered during the year.

Careers/Technical Education

Business/Technology Education

Computer Applications

(Intro to Tech)

9- 12-Semester

1 period, 1/2 credit

Type of credit: Occ. Ed.

Prerequisites: None

Course objectives: To introduce students to the world of information technology. Students will produce projects through hands-on experience in the Microsoft Office suite, specifically Microsoft Word, Excel and PowerPoint.

Finally, In addition, they will:

- Learn how computers work
- Review the history of computers
- Learn Internet safety and ethics
- Learn how to write a resume
- Learn interviewing skills

Students who successfully complete this course with a grade of C or higher will receive college credit through North Seattle Community College.

Meets technology requirement.

Creative Computing

9- 12-Semester

1 period, 1/2 credit

Type of credit: Occ. Ed. **Fee:** \$10

Prerequisites: Exploring Computer Science

Course objectives: To introduce programming to students who are comfortable with algebra and are looking for an opportunity to build create projects. Students will complete interesting and challenging projects that demonstrate the powerful set of tools programming provides for creative expression.

Students will be primarily using the freely available Python programming language; an easy to learn scripting language used by companies around the world. The problem-solving skills students gain in this course will be helpful to them no matter what field they choose to pursue. The experience gained by writing programs will make them more savvy software users.

Meets technology requirement.

Exploring Computer Science

9- 12-Semester

1 period, 1/2 credit

Type of credit: Occ. Ed. **Fee:** \$10

Prerequisites: None

Course objectives: To introduce how computers and software work. Students learn programming concepts in a visual storytelling environment while exploring what computer scientists do and how they impact the world. Emphasis will be placed on systematic

problem-solving. This class is designed to help prepare students for success in AP Computer Science. Students who successfully complete this course with a grade of C or higher will receive college credit through North Seattle Community College.

Meets technology requirement.

Web Design 1

9- 12-**Semester**

1 period, 1/2 credit

Type of credit: Occ. Ed. **Fee:** \$10

Prerequisites: Computer Applications or Instructor Permission

Other requirements: FBLA membership

Course objectives: Students will learn all facets of basic website development and maintenance. The fundamentals of web design will be emphasized along with implementation of web pages using HTML and CSS with an emphasis on well-formed valid code.

Students will also learn how to edit and prepare photos for the web using PhotoShop cs6. Finally, students will get a survey of basic internet services and protocols including:

- HTTP, FTP, E-mail, Information searching, Security

Students who show strong aptitude in this class could be eligible to take AP Computer Science with instructor permission.

Meets technology requirement.

Web Design 2

10- 12-**Semester**

1 period, 1/2 credit

Type of credit: Occ. Ed. **Fee:** \$10

Prerequisites: Web Design 1

Other requirements: FBLA membership

Course objectives: To continue the designing and development aspects of Web Design 1. Students author sites using WordPress, Dream Weaver, Flash, and Fireworks. This course is cross-credited with art.

Meets technology requirement.

AP Computer Science

10-12 -**Yearlong**

1 period, 1 credit

Type of credit: Occ. Ed. **Fee:** \$10

Prerequisites: Exploring Computer Science or Creative Computing or Web Design 1 & 2. Algebra 2 recommended.

Other requirements: CSTA Membership

Course objectives: To learn program design and basic programming in Java. The course is equivalent to a college level introduction to programming course and will prepare students for the Advanced Placement exam. This class assumes students are familiar with and enjoy using computing tools and technology. Topics covered will include:

- Primitive types

- Procedural programming (methods, parameters, return values)

- Basic control structures (if/else, for loop, while loop)

- Array manipulation

- File processing

- Using and defining objects (identifying reusable components, class relationships)

Students will learn by designing, writing and testing their own software.

Meets technology requirement.

Family and Consumer Science

Careers in Education

10-12- Yearlong

1 period, 1 credit

Type of credit: Occ. Ed. or Lang. Arts

Prerequisites: None

Course objectives: To enlighten students about education as a career and is designed for students interested in becoming teachers, coaches, and/or counselors. Students will be better prepared to be community leaders, parents of tomorrow, and more educationally informed and involved. This is a one year course and must be taken in sequence (1 then 2). Semester 1 includes:

- Learning theories and styles
- Lesson planning
- Teaching methods
- Classroom management.

Semester 2 will place students in an internship at one of the local elementary schools: spending three days a week at their internship and one day at Hale. This class is limited and recommended for 11th and 12th grade students only. College credit is available upon completion of both courses when portfolios are presented to the college program to which they are admitted. Students may get a waiver of the technology requirement if taking Careers in Education. See your counselor for details.

Human Development

10-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed. or Health

Prerequisites: Academy health courses; students must pass a TB screening in order to work with pre-schoolers-(free TB screenings are offered at the Nathan Hale Teen Health Center with parental permission and consent).

Course objectives:

Study the principles of human growth and development, psychology, sociology, nutrition and wellness.

Learn about the ages and stages from child to adult, birth to aging across the human lifespan.

Use a variety of learning strategies, technology, and applications to explore careers and skills leading to introductory health-related and early childhood certifications.

Socratic Seminars and FCCLA (Family, Career and Community Leaders of America) national programs provide frameworks for requirements.

Independent Living: Preparing Students for Life

11-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed. or Health

Prerequisites: Academy Health courses or equivalent

Course objectives: To prepare students to be able to step confidently out into the “real world” after high school and know that they have the skills to help make decisions and assume responsibilities. Students will learn how to cope with questions such as:

Should I move or stay at home?

How do I set up a bank account?

How do I find a good roommate and cope with annoying neighbors?

The will also cover aspects of laundry, cooking and insurance

Nutrition and Wellness I

10-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed or Health

Prerequisite: Academy Health courses or equivalent

Course Objectives: To work with other group members to choose recipes and prepare foods. Skills developed will include:

- kitchen safety and sanitation

- cooking techniques
- equipment identification and use
- making average meals healthier
- choosing foods based on nutritional and environmental factors.

Students will also explore careers in the industry. Leadership and teamwork are emphasized throughout this class.

Food Science, Diet & Nutrition (formerly Nutrition & Wellness II)

10-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed

Prerequisite: Nutrition and Wellness I and instructor signature.

Course Objectives: The course complements Nutrition and Wellness I as a year-long study. Through a lab-based study of cooking techniques and related culinary arts, students explore topics that include instruction in food preparation, sanitation and safety, applicable regulations, equipment operation and maintenance, and principles of food service management. A project-based approach utilizes higher order thinking, communication, management processes and develops leadership skills.

Graphics and Marketing

Graphic Arts I

9- 12-Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisites: None

Course objectives: To explore graphic communications. Students learn the elements of graphic design, elements of design, art principles, using the tools for computer-generated documents. All students work at their own workstation in the graphics lab on Macintosh computers. Students have professional training and hands-on learning opportunities using software such as: *InDesign*, *Illustrator* and *Photoshop*. Included in the course curriculum is history and theory of design, printing, and publishing. This project-based learning environment includes student projects like: newsletters, logos, digital illustrations, and digital photography.

Meets technology requirement.

Hale Yearbook – Publishing

11, 12-Yearlong

1 period, 1 credit

Type of credit: Occ. Ed.

Prerequisites: Graphic Arts 1 and instructor's permission.

Home of *The Heritage*, the school yearbook!

Course objectives: Students are required to complete one semester of Graphic Arts 1 before enrolling in this class. Continuing education in advanced skills such as: graphic design, photography, journalism, technology, leadership, and teambuilding, helps add rigor to this classroom environment. Deadline commitments and extra hours are needed. The yearbook is a digital publication produced at Nathan Hale in the graphics lab using Macintosh computers and dedicated Adobe publishing software.

Meets the technology requirement.

Marketing I

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisite: Graphic Arts

Course Objectives: To introduce students to marketing concepts and skills; teach the underlying business foundations required for understanding and development of marketing. Elements such as distribution, financing, marketing information management, pricing, product/service management, promotion and selling along with the foundation of economics and communications are introduced in

this course. Students will run and operate the student store during lunch. The student store is a training lab for what it is like to manage and operate a business.

Marketing 2

9-12- Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisites: Marketing 1

Course Objectives: To continue developing skills learned in Marketing 1. Students in this advanced marketing class will take on leadership roles, advanced workplace skills and advanced training lab assignments and projects.

Horticulture

Horticulture

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisites: None

Course objectives: To learn the scope of the industry and the knowledge required to qualify for opportunities in this field. Students will also:

- Learn to use horticultural equipment
- Study greenhouse use
- Learn about plant physiology, propagation, and plant identification
- Learn about soil-water-plant relations
- Have an introduction to floral design.

Advanced Horticulture

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisites: Horticulture 1 or Ecology

Course objectives: To cover a variety of areas that use horticulture, such as:

- Gardening
- Landscaping, and landscape design
- Applied soil fertility
- The use of chemicals for insect and weed control
- Landscape gardening and greenhouse planting management as applied to the environment
- Turf management.

Radio and Television

Digital Media Intro 1 (formerly Introduction to Radio)

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed **Fee:** \$1

Prerequisites: None

Course objectives: To introduce the student to the world of mass media and broadcasting. Students will produce audio projects through hands-on experience in production booths. In addition, they will

- become familiar with how radio and television fit in the larger picture of mass media
- review the history of radio/TV
- learn regulations of radio broadcasting
- be able to write short scripts

- learn vocal techniques to read those scripts
- learn the operation of various types of broadcast equipment
- be introduced to the business of broadcast sales and marketing.

Meets technology requirement.

Advanced Digital Media (Formerly Advanced Radio)

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed **Fee:**\$1

Prerequisites: Introduction to Radio

Course Objectives: Students will operate C-89.5 FM, our nationally recognized, trend-setting radio station. Each student is trained as an on-air announcer. They will also work with in a variety of departments including: production, news reporting, public affairs, promotions, public relations, traffic, network, and many other areas of the broadcast industry. Advanced radio is actually a series of classes in which students progress in their skills and responsibilities, eventually reaching directorships and station management. Each student actually works as an intern in this Public Radio Station.

Meets technology requirement.

Introduction to Television Broadcasting (TV Student Reporting Lab I)

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisites: None

Course Objectives: As the NW Region PBS NewsHour Student Learning Lab (SRL), this course focuses on the methods and techniques used to plan, gather information, write, and present information in print, audio, and video. The course prepares students in the fields of reporting, writing, marketing, planning, pre-production, interviewing, production, post-production editing, distribution and leadership skills such as time and resource management. The course also includes instruction in media composition and aesthetics; planning, writing styles, ethics, time and resource management, marketing, distribution, media regulations, and copyright law and policy. To learn all aspects of video production through hands-on experience.

Meets technology requirement.

Advanced Television Broadcasting (TV Student Reporting Lab II)

9-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed.

Prerequisites: Introduction to Television Broadcasting

Course Objectives: Students continue to develop their skills and to gain experience working with all aspects of video production via the TV Student Learning Lab.

Meets technology requirement.

Education Support Classes

ELL

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisite: Permission from instructor

Course objectives: To provide extra support to English language learners in their core courses.

9th grade Academy ELL students receive modified texts and help with reading and writing assignments in their classes. In addition, students will work on vocabulary building, grammar and other writing activities, such as journals, poems, and short papers.

10th grade Integrated Studies ELL students receive modified texts and help with reading and writing assignments. In addition, students will continue to work on vocabulary building, grammar and other writing activities, such as journals, poems, and short papers.

11th and 12th grade ELL students receive modified texts and support with reading and writing assignments, especially in their language arts and social studies classes. In addition, students continue to work on vocabulary building, grammar and other writing activities, such as journals, poems, and short papers. 12th grade students will also receive assistance on their Culminating Project.

Focus

9, 10-Yearlong

1 period, ½ credit per semester

Type of credit: Elective

Prerequisite: Instructor permission and an IEP

Course objectives: This mandatory class for students with an IEP (Individualized Education Plan) is designed to support students with work in their health, language arts, science, and social studies classes while addressing their IEP goals and objectives for the year. Special Education staff re-teaches the general education curriculum as necessary.

Study Skills

11, 12-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisite: Instructor permission and an IEP

Course objectives: This mandatory class for students with an IEP (Individualized Education Plan) is designed to support students who require additional support with core academic class content. Subjects taught include test preparation and reading and writing strategies with an emphasis in basic skills. Students work toward their annual IEP goals through assignments from their general education curriculum.

Language Arts M

12-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisite: Instructor permission and an IEP

Course objectives: To cover reading, writing, and literature aligned with individual IEP goals and grade-level district standards. This class offers individual attention in the area of transition support for students who will be leaving the high school setting within the next two years. Coursework includes instruction to support and mentor students throughout their Culminating Projects.

Reading Improvement

9-12-Semester

1 period, ½ credit

Type of credit: Language Arts

Prerequisite: Instructor permission and an IEP

Course objectives: To employ a variety of strategies to increase reading ability. Comprehension and vocabulary building are emphasized. The curriculum is designed to meet IEP goals and objectives.

General Math M

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Math

Prerequisite: Instructor permission and an IEP

Course objectives: This course includes but is not limited to, basic math skills, consumer math, and beginning algebra. Placement is provided for students whose math skills have been assessed a lower than those needed to successfully complete Algebra 1, or if progress in Algebra 1 was not sufficient. The curriculum is designed to meet IEP goals and objectives.

American Government and Economics M

12-Semester

½ credit per semester

Type of credit: Social Studies

Prerequisite: Instructor permission and an IEP

Course objectives: This course will parallel curriculum covered in the other American Government classes. IEP and written language and reading goals are covered through course curriculum.

Fine Arts

Drama/Performing Arts

Theatre 1

9-12-Semester

1 period, ½ credit

Type of credit: Fine Arts

Prerequisite: None

Course objectives: This course will explore the fundamentals of theatre and acting. Students learn improvisational acting, script analysis, character analysis, and audition techniques. Students will learn to perform and create warm-up exercises, speeches, pantomime, and monologues. All incoming freshmen are encouraged to take Theatre 1, regardless of previous Theatre experience. This course is offered both first and second semesters.

Advanced Acting: Theatre 2 - 4

10-12-Semester 1 only

1 period, ½ credit

Type of credit: Fine Arts

Prerequisite: Drama 1 and instructor permission

Course objectives: Students who successfully complete Beginning Acting are invited to continue to Advanced Acting or students may audition for Advanced Acting. Auditions for Advanced Acting are held in June for the following fall. Advanced Acting focuses on performance theory, characterization, genres of theatre and acting styles as well as theatrical direction and production. Students taking Advanced Acting for the 2nd or 3rd time (Theatre 3 and 4) are encouraged to take on directorial roles within the class. Advanced Acting students will produce a Children's Theatre production for performance in January. This course is only offered in the first semester.

Fall Play Production: Theatre 9

10-12-Semester 1 only

1 period, ½ credit

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: Audition and instructor permission

Course objectives: Fall play auditions are held in September and rehearsals are every day after school. Auditions are open to ALL students, regardless of previous experience or enrollment in other Theatre courses. The fall play requires the same time, dedication and GPA standard as an after school sport. The fall play production performs for one weekend in November.

Spring Musical Production: Theatre 10

9-12-Semester 2 only

1 period, ½ credit

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: Audition and instructor permission

Course objectives: Spring Musical auditions are held in December. Rehearsals meet every day beginning in February. The Spring Musical requires the same time, dedication and GPA standard as an after school sport. The Spring Musical performs two weekends in May. Additionally, the Spring Musical cast performs at our annual Cabaret Night fundraiser and travels together to participate in the Washington State Thespian Festival, a weekend trip; both events are in March.

Technical Theatre

9-12-Semester

1 period, ½ credit

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: Instructor permission

Course objectives: Students will learn and implement a broad range of technical skills and design: scenic design, sound design, lighting design, properties design, and costume design. Students will also learn the technical details of the Performing Arts Center with many opportunities to assist with presentations in the PAC. Technical theatre students will assist with the afterschool production's technical elements and have the opportunity to take on roles in stage crew or as technicians in those productions and work alongside our technical theatre professionals.

Meets the technology requirement.

Music

Concert Band

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: None

Course objectives: The rehearsal and performance of quality concert band literature. Students will explore and rehearse many different music styles. As well as playing concert band music, this ensemble plays prep band music for Raider football and basketball games. Members of this ensemble also have opportunities to participate in chamber music and attend state solo and ensemble festivals.

Concert Choir

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: None

Course objectives: To teach students who desire to learn how to sing independently and with others. This ensemble performs a wide range of repertoire-from Classical to Gospel to Pop and everything in between. No previous singing experience is required to join this ensemble. If you have always wanted to give singing a try, this is the class for you. Evening and outside performances are a regular part of the curriculum.

Creative Music Workshop

9-12-Semester

1 period, ½ credit

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: None

Course objectives: To explore creative musical expression by composing a piece of music using elements of composition, music theory, rhythm, listening and performance. This can be accomplished as a solo or with a band that is formed with other classmates. Learn how to record a song in Hale's recording studio that uses state of the art recording software and equipment.

Guitar Lab

9-12-Semester

1 period, ½ credit

Type of credit: Fine Arts

Prerequisite: None; ownership of guitar recommended, not required.

Course objectives: This beginning guitar class covers all the basics to get started on the guitar. Learn the blues, chords and scales. No experience is necessary.

Jazz Band

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: Audition; simultaneous enrollment with Concert Band.

Course objectives: To learn about jazz music and improvisation through rehearsal and performance. This ensemble performs often and travels to festivals in and around the Northwest. Members of this ensemble also form small jazz combos with additional performance opportunities. This class meets daily **before school** (zero period). Members of the Jazz Band are required to take Concert Band during the regular school day.

Piano

9-12-Semester

1 period, ½ credit

Type of credit: Fine Arts

Prerequisite: None

Course objectives: To learn how to play the piano by learning a solid foundation in fundamentals. No previous experience is necessary. This course is designed for students with little or no previous music training.

Orchestra

9-12, Yearlong

1 period, ½ credit per semester

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: None

Course objectives: To perform a variety of music ranging from classics of the string repertoire to more modern styles. Students that play violin, viola, cello and/or bass have opportunities to participate in chamber music and attend state solo and ensemble festivals.

Vocal Jazz

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Fine Arts or Occ. Ed.

Prerequisite: Audition; simultaneous enrollment with Choir.

Course objectives: To explore jazz idiom from Freddie Hubbard to The New York Voices. Students will perform at various venues such as The Reno and Pacific Jazz Festivals which are good opportunities to share our sounds with other choirs around the country and to listen and enjoy our fellow jazz choirs. This class meets daily **before school** (zero period). Members of Vocal Jazz are required to take Concert Choir during the regular school day.

Visual Arts

Ceramics

9-12-Semester

1 period, ½ credit

Type of credit: Fine Arts Fee: \$40

Prerequisite: None

Course objectives: To be able to recognize the properties, possibilities, and limitations of clay by creating functional and nonfunctional works of ceramics using basic hand-building techniques. The content will include but not be limited to: the use of tools, equipment, and materials, art vocabulary, functional and nonfunctional form, material preparation, object production, decoration, firing, critical thinking and analysis, historical and cultural perspectives, and career opportunities. Studio time will be interspersed with information gathering, research and presentations, as well as demonstrations.

Advanced Ceramics

9-12, Semester

1 period, ½ credit

Type of credit: Fine Arts or Occ Ed Fee: \$40

Prerequisite: Ceramics

Course objectives: To build on what was learned in Ceramics; and expand their knowledge about the properties, possibilities, and limitations of clay by creating functional and nonfunctional works of ceramics by and on the wheel. In addition to studio work,

students are expected to complete research on a ceramic artist to present to the class as well as review a show at a gallery/museum of their choice. This course may be repeated by a student for multiple credits, but requires an increased level of proficiency on their work.

Drawing and Painting

9-12-**Semester**

1 period, ½ credit

Type of credit: Fine Arts Fee: \$40

Prerequisite: None

Course objectives: To emphasize the production of artistic work that expresses personal thought, feeling, and observation. With reference to art history, art aesthetics, and elements of design, students will learn a variety of sketching, shading, and compositional techniques. Painting instruction includes exploration of analogous, monochromatic, and complementary color schemes. Pen and ink, collage, watercolor and pastel are just a few of the materials and topics covered. This class is suited for all levels of artistic experience and ability.

Art Survey

9-12, **Semester**

1 period, ½ credit

Type of credit: Fine Arts Fee: \$25

Prerequisite: None

Course objectives: To explore the diversity of art materials and techniques; two and three dimensional drawing, painting, print making, mask making, and digital media. Emphasis is on the principles of and design, originality, communication of ideas and skill development and critique. Exploring Art will survey Western, African, Asian, Oceania, and North and South American visual art, with a primary focus on painting. Students begin with an introduction to the basic principles of drawing, painting, and three dimensional art forms. Students will then take what they have learned and apply their skills using digital photography, Photoshop, Illustrator, InDesign, and Movie Maker.

Advanced Drawing & Painting

10-12, Semester

1 Period, ½ credit

Type of credit: Fine Arts or Occ Ed FEE: \$40

Advanced Studio Art (with the option to submit an AP Studio Portfolio)

11, 12, **Yearlong**

1 period, ½ credit per semester

Type of credit: Fine Arts Fee: \$70

Prerequisite: Exploring Studio Art, Drawing and Painting, or show portfolio to instructor.

Course objectives: To allow juniors and seniors who are interested in pursuing their fine arts abilities in a deeper way. Projects will be centered around mainly 2-D work, drawing, painting, printmaking, collage, and mixed media. Students will build upon skills and techniques based on the elements and principles of art and design and have the option to submit an AP Studio Art portfolio for future college credit. There will be a focus to deepen the artist's understanding of their own work through discussion and critique along with having outside artists visit as well as going on one or more fieldtrips to studios, galleries, museums, and other art centers in Seattle.

Photography Foundations

10-12 (9th grade with instructor permission), **Semester**

1 period, ½ credit

Type of credit: Fine Arts or Occ. Ed. **Fee:** \$85

Prerequisite: None

Course objectives: Students will learn about the Elements of Art and Compositional Techniques through the Art of Photography. Camera functions, exposure, lighting, darkroom principles, and black & white film and print processing are all part of the unique learning experience in Nathan Hale's photography classroom and darkroom. Students will shoot assignments on their own time and use class time for darkroom production. Students will finish the semester by producing a portfolio of finished photographs.

Access to a 35 mm SLR film camera is required: see instructor for details.

Advanced Photography

10-12, Semester

1 period, ½ credit

Type of credit: Fine Arts or Occ. Ed. **Fee:** \$85

Prerequisite: Photography Foundations

Course objectives: Advanced Photo 2, 3, 4, and 5 will further investigate the aesthetics and techniques of black & white photography. Digital imaging is introduced in Photo 2 and plays a larger part in the Advanced Photo 3, 4, & 5 curriculums. Students will improve printing techniques, test various films and papers and produce a photo essay of personal interest. Students will have the opportunity to study studio lighting techniques in addition to natural lighting. Digital imaging will broaden student's knowledge of data storage and image manipulation.

Access to a 35 mm SLR film camera is require: see instructor for details.

Health Education

Family Health

9th grade Academy

9-1st semester

1 period, ½ credit

Type of credit: Health

Prerequisite: None

Course objectives: To develop decision-making skills. The goals are to provide information needed to understand the different aspects of health and wellness and build skills in evaluating information so that wise lifestyle choices are promoted. These goals will be achieved through the use of lecture, films, speakers, videos, discussion, activities, readings, and assignments.

Personal Choices

9th grade Academy

9-2nd semester

1 period, ½ credit

Type of credit: Occ. Ed. or Health

Prerequisite: None

Course objectives: To provide students opportunities to acquire knowledge and apply decision-making skills. This class helps promote the desire to attain and/or maintain good health. Students study causes and consequences of such problems as stress, depression, suicide, addiction, and abuse/violence.

Human Development

10-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed. or Health

Prerequisites: Academy health courses; students must pass a TB screening in order to work with pre-schoolers-(free TB screenings are offered at the Nathan Hale Teen Health Center with parental permission and consent).

Course objectives:

Study the principles of human growth and development, psychology, sociology, nutrition and wellness.

Learn about the ages and stages from child to adult, birth to aging across the human lifespan.

Use a variety of learning strategies, technology, and applications to explore careers and skills leading to introductory health-related and early childhood certifications.

Socratic Seminars and FCCLA (Family, Career and Community Leaders of America) national programs provide frameworks for requirements.

Independent Living: Preparing Students for Life

10-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed. or Health

Prerequisites: Academy Health courses or equivalent

Course objectives: To prepare students to be able to step confidently out into the “real world” after high school and know that they have the skills to help make decisions and assume responsibilities. Students will learn how to cope with questions such as:

- Should I move or stay at home?
- How do I set up a bank account?
- How do I find a good roommate and cope with annoying neighbors?

This course will also cover aspects of laundry, cooking and insurance

Nutrition and Wellness

10-12-Semester

1 period, ½ credit

Type of credit: Occ. Ed or Health

Prerequisites: Academy Health courses or equivalent

Course objectives: To work with other group members to choose recipes and prepare foods. Skills developed will include:

- kitchen safety and sanitation
- cooking techniques
- equipment identification and use
- making average meals healthier
- choosing foods based on nutritional and environmental factors.

Students will also explore careers in the industry. Leadership and teamwork are emphasized throughout this class.

Language Arts

Language Arts 9A and 9B

9th grade Academy

9- Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: None

***Honors designation available**

Course objectives: This course is an inclusive class integrated with World History 9A and 9B. The class explores the relationship between power and identity through historical, religious, and cultural analysis as well as literature, art, film, and music. Students use the writing process (pre-writing, drafting, revising, and editing) to produce narrative, expository, creative and persuasive papers. Additionally, students read and respond to classic and contemporary literature as well as complete an independent reading requirement of 300 to 600 pages. Seminars, presentations and focused class discussions are an integral part of the curriculum expository, reactive and persuasive papers.

Language Arts 9A M and 9B M

9th grade Academy

9- Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: IEP teacher permission

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

Language Arts 10A and 10B

10th grade Integrated Studies

10-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: None, LA 9A/B preferred.

***Honors designation available**

Course objectives: This course is integrated with social studies and biology to provide a comprehensive, rigorous academic experience based around essential questions. The Integrated Studies year is broken down into four sub-units:

- Competition
- Progress
- Systems
- Renewal

The three disciplines also share common critical thinking skills: evidence, significance and viewpoint. Students must also complete an independent reading requirement of 400 to 800 pages per semester. Students will become skilled analytical, persuasive and narrative writers, read and respond to classic and contemporary literature and engage in culminating performances and seminars that inspire multiple intelligences and interests.

Language Arts 10A M and 10B M

10th grade Integrated Studies

10-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: IEP teacher permission.

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

AP Language Arts 11A and 11B

American Literature

11-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: None, LA 10 A/B preferred.

Course objectives: To expose students to a variety of texts from some of the major writers and literary periods throughout U.S. history. There is a strong focus on writing- both expository and creative. Students will be able to identify the differences between Pre-and Post Enlightenment thinking and the basic tenets of the Romantic and Realist literary movements in the 19th century North America. Additionally, students will investigate the experiences of people immigrating to the U.S. and explore culture and race and how they shape human identity. All students will also complete the Video Quilt project in which groups will explore civil rights issues and create a dramatic video.

Language Arts 11A M and 11B M

11-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: IEP teacher permission.

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

AP Language Arts 12A and 12B

12-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisites: None, AP LA 11 A/B preferred

Course objectives: To serve as an excellent preparation for college level work *AND* as an effective way to “round out” a four-year, rigorous and comprehensive English program. Through the study of both time-honored **and** contemporary classics, students will explore the various ways that world literature, including classical mythologies and philosophies, form our modern sensibilities. Students will engage in intense reading, spoken, and written literary analysis as they explore such works as: *The Odyssey*, *Frankenstein*, *Oedipus Rex*, *The Invisible Man*, *The Amazing Adventures of Kavalier and Klay*, *The Stranger*, *Hamlet*, *Songs of Solomon*, *One Flew Over the Cuckoo’s Nest*, Native American short stories, Beat Poetry, and more. Classes consist of daily discussions, regular reading checks, periodic exams, papers, and group/individual creative projects. Students will also work on the Senior Culminating Project.

Language Arts M

12-Yearlong

1 period, ½ credit per semester

Type of credit: Language Arts

Prerequisite: Instructor permission and an IEP

Course objectives: To cover reading, writing, and literature aligned with individual IEP goals and grade-level district standards. This class offers individual attention in the area of transition support for students who will be leaving the high school setting within the next two years. Coursework includes instruction to support and mentor students throughout their Culminating Projects.

Creative Writing

10-12-Semester

1 period, ½ credit

Type of credit: Language Arts

Prerequisites: None

Course objectives: To immerse students in the craft of story-writing and poetry as they enhance their ability to first understand the art of literature and then **create it**. Students will read literature and discuss it in terms of: symbolism, archetypes, plot, characterization, setting, writing technique and style. Students will use reading as springboards for the imagination. They will experiment with character and plot development, dialogue, alternate points of view, style, and themes in their fiction writing. Poetry writing will incorporate poetic devices and forms and allow students to experiment this rich genre. Students will be expected to participate actively in writing workshops and to make creative writing a daily ritual both in class and at home. Seniors meeting graduation requirements for this course have priority over other students for enrollment.

Digital Journalism

9-12-Semester

1 period, ½ credit

Type of credit: Language Arts

Prerequisites: None

Course objectives: Print. Audio. Video. Still and slide photography. Social Networking.

These are the tools of Web-Based journalism. And these are the media students will explore in reporting news and writing narrative features. Students will learn the foundational skills of newspaper journalism: news gathering, interviewing, news reporting, feature writing, and commentary. They will also learn the techniques of digital storytelling for today's evolving journalism.

Students should expect how-to reading and homework assignments. They should also plan on regular writing and digital production assignments. The course is run as a workshop with frequent whole-class critique.

Completing the course will prepare students for publishing *The Sentinel*, and its Web-base edition, halesentinel.com.

Advanced Journalism (Newspaper)

10-12-Semester

1 period, ½ credit

Type of credit: Language Arts

Prerequisites: Journalism or permission of the instructor

Course objectives: To use the skill and knowledge from Digital Journalism (news gathering, interviewing, news reporting, feature writing, and commentary), to produce Hale's award winning student newspaper, *The Sentinel*, and its Web version, halesentinel.com.

The Sentinel staff comprises reporters, editors, columnists, photographers, designers, and business managers.

Reading Improvement

9-12-Semester

1 period, ½ credit

Type of credit: Language Arts

Prerequisites: Instructor permission and an IEP

Course objectives: To employ a variety of strategies to increase reading ability. Comprehension and vocabulary building are emphasized. The curriculum is designed to meet IEP goals and objectives.

Mathematics

Algebra 1A and 1B

9, 10-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: none

***Honors designation is available**

Course objectives: Algebra 1 is a yearlong course, which provides a practical blend of technology-related and paper-and-pencil problem solving tools. Explorations and investigations emphasize symbol sense, algebraic manipulations, and conceptual understanding. Students make sense of important algebraic skills, and apply algebraic thinking.

This course allows students to experience algebra through the use of multiple representations: numerical, graphic, symbolic, and verbal. Topics in this course include: Graphing, Linear Equations, Quadratic Equations, Functions, Exponents, Data Analysis, Proportional Reasoning, Probability, Systems of Equations, and Inequalities.

Geometry A and B

9, 10-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: Successful completion of Algebra 1B.

***Honors designation is available**

Course objectives: Geometry is a yearlong course, which provides an opportunity for students to explore geometric relationships with a wide variety of tools, including paper, compasses, computers, and graphing calculators. Students perform constructions, measure figures, observe patterns, discuss their findings, write their own definitions, and formulate and prove geometric conjectures.

Topics include informal and formal proof, properties of triangles, polygons, and circles, transformations and tessellations, area and volume, the Pythagorean Theorem, congruence and similarity

Algebra 2A and 2B

10, 11-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: Successful completion of Geometry B or equivalent.

***Honors designation is available**

Course objectives: Algebra 2 is a yearlong course, which provides an opportunity for students to deepen their understanding of challenging topics in mathematics including recursion, transformations, matrices, series, and applications of statistics. This course will focus on functions including exponential power, logarithmic, trigonometric, rational, and polynomial functions.

The text provides a balanced mix of data-analysis and pure-algebra techniques. Algebraic techniques equip students with multiple problem-solving strategies and prepare them for higher-level courses that are algebra intensive. Students learn to solve problems with and without a calculator. Algebra 2 is the third of a three year sequence and is the minimum requirement for admission to four-year colleges or universities.

Pre-Calculus 1 and 2

11, 12-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: Successful completion of Algebra 2 or equivalent.

***Honors designation is available**

Course objectives: This course sequence is a rigorous study of linear, quadratic, exponential, polynomial, logarithmic and trigonometric functions, focusing on structure, dynamics, and graphing. Other topics studied are polar coordinates and graphing, conics, linear algebra, and discrete mathematics. Students apply traditional mathematical topics in applied settings. In so doing, they exercise mathematical reasoning and see the connections between topics and other disciplines. While solving real world

problems through the use of appropriate technology, students become empowered to communicate mathematics through group activities, experiments and independent projects.

Calculus, A and B

11, 12-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: Successful completion of Pre-Calculus or equivalent.

Course objectives: This course is a general study of functions, limits, continuity; differentiation of algebraic functions, and applications; integration and applications to physics; plane analytic geometry; differentiation and integration of transcendental functions; methods of integration; and polar coordinates. Students apply traditional mathematical topics in applied settings. In so doing, they exercise mathematical reasoning and see the connections between topics and other disciplines.

AP Calculus, A and B

12-Yearlong

1 period, ½ per credit per semester

Type of credit: Mathematics

Prerequisites: Successful completion of Pre-Calculus or equivalent.

Course objectives The course is a study of functions, limits, continuity; differentiation of algebraic functions and applications; integration and applications to physics; plane analytic geometry; differentiation and integration of transcendental functions; methods of integration; polar coordinates, hyperbolic functions, vectors and parametric equations. This Advanced Placement course essentially covers the contents of the first two quarters of a college course in Calculus, and prepares students to take the Advanced Placement AB Calculus Exam in the spring.

AP Statistics 1 and 2

12-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: successful completion of Pre-Calculus or equivalent.

Course objectives: This course provides an introduction to the statistical analysis of data. This course will stress the general abstraction of descriptive and inferential statistics to answer a scientific question. Topics covered will include definition of common descriptive techniques, estimation and testing for continuous, discrete, and censored response variables in parametric models. Emphasis will be placed on the similarity among the various forms of analyses. This Advanced Placement course covers the essentials of an elementary college course in statistics and prepares students to take Advanced Placement Statistics Exam in the spring

General Math M

9-12-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: Students must have an IEP and instructor permission.

Course objectives: This course includes but is not limited to, basic math skills, consumer math, and beginning algebra. Placement is provided for students whose math skills have been assessed a lower than those needed to successfully complete Algebra 1, or if progress in Algebra 1 was not sufficient. The curriculum is designed to meet IEP goals and objectives.

Algebra 1 Lab A and B

9, 10-Yearlong

1 period, ½ credit per semester

Type of credit: Elective credit only

Course objectives: This course does not fulfill the math requirement. This course is designed for students who need extra support to be successful in Algebra 1.

Geometry Lab A and B

9, 10-Yearlong

1 period, ½ credit per semester

Type of credit: Elective credit only

Course objectives: This course does not fulfill the math requirement. This course is designed for students who need extra support to be successful in Geometry.

Algebra 2 Lab A and B

11, 12-Yearlong

1 period, ½ credit per semester

Type of credit: Elective credit only

Course objectives: This course does not fulfill the math requirement. This course is designed for students who need extra support to be successful in Algebra

Financial Algebra A and B

11,12-Yearlong

1 period, ½ credit per semester

Type of credit: Mathematics

Prerequisites: Successful completion of Geometry.

Course objectives: Financial Algebra is a yearlong course, which provides an opportunity for students to explore the world of finance with an emphasis on algebra. Students gain familiarity with the operation of graphing calculator. Students learn details about a range of topics including the Stock Market, modeling business practices, banking services, income taxes and the creation of budgets. This course is also appropriate for students who have completed Algebra 2 and who want to take a course specifically focusing on the mathematics of personal finance. The objectives of this course are not equivalent to the objectives for Algebra 2 and do not meet requirement for admission to four-year university, but they do meet the district requirement for the third year of math.

Physical Education

Aerobics (Rhythm and Dance)

9-12-Semester

1 period, ½ credit

Type of credit: Physical Education

Prerequisites: None

Course objectives: This course is designed for students serious about physical fitness. It combines aerobic workouts with flexibility and strength development.

Alternative Activities (Individual Activities)

9-12-Semester

1 period, ½ credit

Type of credit: Physical Education

Prerequisites: None

Course objectives: This class has non-traditional individual and team activities. Open to all skill levels and grade levels, this course includes, but is not limited to rugby, ultimate frisbee, team handball, juggling, and hackey-sack.

Racquet Sports (Lifetime Activities)

9-12-Semester

1 period, ½ credit

Type of credit: Physical Education

Prerequisites: None

Course objectives: This course includes badminton, pickleball, racquetball, and tennis from basic instructions through maximum participation.

Swimming

9-12-Semester

1 period, ½ credit

Type of credit: Physical Education

Prerequisites: None

Course objectives: This course is open to all skill levels and includes individual stroke analysis, water polo, and some beginning synchronized swimming, diving and life-saving techniques.

Weight Training/Conditioning

9-12-Semester

1 period, ½ credit

Type of credit: Physical Education

Prerequisites: None

Course objectives: To teach the basics of weight training and conditioning. Students learn the proper techniques for lifting free weights and how to condition using various weight machines. Along with training techniques the instructor teaches the basics of anatomy, kinesiology and diet.

Science

Physical Science 1 and 2

9th grade Academy

9-Yearlong

1 period, ½ credit per semester

Type of credit: Science

Prerequisites: None

***Honors designation available**

Course objectives: To further students' understanding of fundamentals of physics and chemistry. Work will explore the basic question, "How do matter and energy interact?" Specific topics investigated during the course are density, heat transfer, electromagnetic energy, gas laws, engineering and robotics, and force and motion. Students will be asked not only to demonstrate understanding of concepts, but also to apply that understanding to new situations and problems. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

Physical Science 1 M and 2M

9th grade Academy

9-Yearlong

1 period, ½ credit per semester

Type of credit: Science

Prerequisites: IEP teacher permission

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

Biology 1 and 2

10th grade Integrated Studies

10-Yearlong

1 period, ½ credit per semester

Type of credit: Science

Prerequisites: None, Physical science preferred

***Honors designation available**

Course objectives: Students will investigate characteristics of living things, life processes, populations, genetics, and biotechnology, mechanisms of change and ecological dynamics in this inquiry based class. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

Biology 1 M and 2M

10th grade Integrated Studies

10-Yearlong

1 period, ½ credit per semester

Type of credit: Science

Prerequisites: IEP teacher permission

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

Anatomy and Physiology

11-12- Semester

1 period, ½ credit

Type of credit: Science

Prerequisites: Biology 1/2 or equivalent

Course objectives: Students will learn about the body systems of living things through: dissections, computer models, lab activities, CPR training, and other class work. Focus will be on exploration on human physiology. Students will gain an improved understanding about how organs work and how the different organs of the body interact to keep the organism alive. Health and fitness issues will also be covered. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

Astronomy

10-12-Semester

1 period, ½ credit

Type of credit: Science

Prerequisites: None

Course objectives: To introduce students to the composition, structure, and dynamics of the universe. Upon completion of this course, students will be able to:

Describe star formation, classification, and evolution

Identify the zodiac and other constellations in the night sky

Compare different types of land and space-based telescopes

Evaluate stellar and planetary systems for the potential for life

Describe the different methods for which we learn about space

Describe the main events in the history of astronomy

Describe how evidence is used to develop different cosmologies.

This course fulfills a "lab science" requirement for students who want to apply to a four year college.

Chemistry 1 and 2

11, 12-Yearlong

1 period, ½ credit per semester

Type of credit: Science **Fee:** \$10 suggested donation

Prerequisites: Biology 1/2 or equivalent, Biology teacher signature.

***Honors designation available**

Course objectives: Will cover the following topics:

- Atomic structure and theory
- Properties of elements and their organization in the periodic table
- The nature of chemical compounds
- Chemical reactions
- Gas Laws
- Acids/Bases.

Required skills include an understanding of the scientific method and average to above math skills. **Honors designation** is available for students who are able to demonstrate understanding of concepts that are more complex, more sophisticated and more abstract than those in the basic curriculum. Specific requirements and assignments for Honors Chemistry are designed into this class. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

Ecology

10-12-Semester

1 period, ½ credit

Type of credit: Science

Prerequisites: None

Course objectives: To explore the interdependence of life on earth through lab activities, field trips, outdoor service projects, and other class work. This class will emphasize an active approach to learning science and wants to give students every opportunity to explore the natural world. It will also investigate local and global environmental issues. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

AP Environmental Science

11, 12-Yearlong

1 period, ½ credit per semester

Type of credit: Science

Prerequisites: Chemistry

Course objectives: The study of environmental systems, how humans interact with the environment, and the development of environmentally sustainable practices. Students will learn how scientists study environmental issues, how matter and energy cycle through earth systems, how humans alter natural systems, how our cultural and economic interests interact with natural systems, and how humans can live sustainably. Individual, community, regional, national, and global scales will be considered. This course will utilize a broad variety of learning resources, including reading, writing, film, research, laboratories, field work, Socratic seminars and more. Students who care about our environment and want the background necessary to take action are encouraged to enroll. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

Physics

12-Yearlong

1 period, ½ credit per semester

Type of credit: Science

Prerequisites: Pre-Calculus (can be concurrently enrolled)

***Honors designation available**

Course objectives: Through collaborative labs, lectures discussions and homework, students will study gravitation and motion in time and space. The emphasis is on student-centered modeling and testing of physical concepts. Extensive use of computers for lab data collection and analysis is taught. *This course fulfills a "lab science" requirement for students who want to apply to a four year college.*

Marine Science

10-12-Semester

1 period, ½ credit

Type of credit: Science

Prerequisites: 9th grade science

Course objectives: This course is designed to meet the needs of the student who wishes to obtain an in-depth awareness of coastal and marine systems. The course will include a study of the physical, chemical and geological aspects of oceanography, marine biology, the coastal environment and the interrelationships among the disciplines.

Robotics

9-12-Semester

1 period, ½ credit

Type of credit: Science

Prerequisites: None

Course objectives: Students in robotics will explore the field of robotic design using a variety of hands on activities. Students begin the semester with an introduction to the tools used to create robotic devices. Students work in teams to create simple drive trains capable of movement through tele-operated interaction. Students then move onto autonomous navigation where the robot is controlled entirely through programming. Mechanical concepts such as gearing/torque/speed/power are introduced. These topics are explored through the use of hands on labs. Students must use this knowledge to design and build custom drive trains capable of meeting a variety of criteria including climbing, pushing, and attaining maximum speed. Competitions with other high schools are also part of the course.

Social Studies

World History 9A and 9B

9th grade Academy

9-Yearlong

½ credit per semester

Type of credit: Social Studies

Prerequisites: None

***Honors designation available**

Course objectives: This class is a study of world cultures, with focus on comparative religion/philosophy, connections between geography and culture, and historical context for current events. First semester covers:

- the Greek and Roman roots of democratic government and ideals of citizenship.
- the Middle East and the interconnected development of Judaism, Christianity and Islam, the rise of the Islamic Empire
- the history of U.S. policy in the Middle East

Second semester will center around Asia; primarily in India and China. Topics include:

- the exploration of Indian religions and their influence on art, architecture and India's great dynasties
- Colonialism and independence are the background for current relations in Pakistan and India's nuclear program.
- China's most influential religions/philosophies
- Events from China's long and turbulent history of interactions with outsiders
- China's relations with the United States and its neighbors
- High level thinking and rigorous work are expected of all students.

An honors designation is granted to those students who meet the Honors criteria. The curriculum is integrated with 9th grade language arts. Critical thinking and writing skills are emphasized.

World History 9A M and 9B M

9th grade Academy

9-Yearlong

½ credit per semester

Type of credit: Social Studies

Prerequisites: IEP teacher permission.

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

World History 10A and 10B

10th grade Integrated Studies

10-Yearlong

1 period, ½ credit per semester

Type of credit: Social Studies

Prerequisite: None, World History 1/2 are preferred.

***Honors designation available**

Course objectives: Topics of study include: "Western Ideas of Justice" focusing on the Middle ages, Renaissance, and the Enlightenment, with an emphasis on art and philosophy. Scientific and Industrial revolutions and their social implications. Africa- starting with pre-colonial life and then moving to the study of colonial Congo and the Belgian rubber trade, independence movements and modern Africa. Latin American History, where the focus may be on one of the several areas including Nicaragua, Cuba, or Mexico. Students will develop skills in writing for social studies and across the curriculum, research, speech and debate, analysis of primary documents, inference, cause-effect, small group work, responsible scholarship, the five habits of mind for critical thinking, and more.

World History 10AM and 10BM

10th grade Integrated Studies

10th grade Integrated Studies

10-Yearlong

1 period, ½ credit per semester

Type of credit: Social Studies

Prerequisite: IEP teacher permission.

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

U.S. History 11A and 11B

11-Yearlong

1 period, ½ credit per semester

Type of credit: Social Studies

Prerequisite: None, World History 3/4 preferred.

*AP (advanced Placement) option available

Course objectives: To direct students in an in-depth study of specific topics related to broader themes of the course:

What does it mean to be an American?

How has America's role changed over time with regard to foreign affairs?

Have our natural rights been protected by government?

Students concentrate on developing college-level skills in research, analysis of information, understanding of literature and creation of both written and presented work. Students will learn to assess historical materials (their importance) and weigh the evidence and interpretations presented in historical scholarship. The program will develop skills necessary to:

Learn to read historical materials

To analyze and criticize historical evidence

To arrive at conclusions on the basis of an informed judgment

To present ideas clearly and persuasively in essay form

An Advanced Placement option is available for students who wish to pursue it and will be prepared to take the exam in May.

U.S. History 11A M and 11B M

11-Yearlong

1 period, ½ credit per semester

Type of credit: Social Studies

Prerequisite: IEP teacher permission.

Course objectives: To allow students with an IEP, (Individualized Educational Plan) to access the mainstream curriculum by having coursework modified so that they are able to meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.

American Government and Economics

12-Yearlong

1 period, ½ credit per semester

Type of credit: Social Studies

Prerequisite: None, U.S History preferred.

Course objectives: During the first semester in American Government, we examine the political systems of the United States with an emphasis on helping students become informed voters in a participatory democracy. In the second semester we examine economics and economic thinking while seeking to help students become knowledgeable about how the economic system fundamentally works. The course will be divided into the following units of study:

Systems of government

The American System of Government
The Constitution
Civil Liberties
Current issues
Citizenship
Economic reasoning
Markets and the global Marketplace
The stock market
Personal Finance

Student in American Government and Economics will learn the duties, responsibilities and privileges of being a citizen and will be encouraged to become directly involved in the political process, examine deeply the issues of the day and learn how to access and apply the Constitution of the United States as well as examine issues of media literacy as they apply to the political process. Students will host a number of “Dessert and Politics” evenings as a means of exhibition of skills to the Hale community. The second semester focuses on economic thinking and an introduction to macro economics. Issues such as the stock market, the global market place and basic economics will be explored as well as the issue of personal economics. Skills include research, speech and debate, persuasion, responsible scholarship, and primary source examination.

American Government and Economics M

12-Yearlong

1 period, ½ credit per semester

Type of credit: Social Studies

Prerequisite: Student must have an IEP, instructor’s permission.

Course objectives: This course will parallel curriculum covered in the other American Government classes. IEP and written language and reading goals are covered through course curriculum.

World Languages

French 1A/1B

9-12- Yearlong

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: None

Course objectives: An introduction to the study of the French language and culture with a focus on developing conversational fluency in French. This class emphasizes good pronunciation, aural comprehension, and self-expression in simple French. It builds practical vocabulary around daily experiences using fundamentals of sentence formation and structural concepts.

French 1A/1B Proficiency

9-12- Yearlong

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: None

Course objectives: To provide extended work at the French 1A/1B level in order to give the student increased exposure to practice using the target language. This, in turn, would give the student proficiency in the language to be successful at the French 2A/2B level.

French 2A/2B

9-12- Yearlong

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: French 1 or equivalent

Course Objectives: To continue to emphasize good pronunciation, aural comprehension and situational conversation with increased emphasis on structural and grammatical patterns in written and oral form. Students will develop further appreciation of French intellectual and cultural contributions through readings of cultural excerpts that increase the student's knowledge of countries in which French is spoken.

French 2A/2B Proficiency

9-12- Yearlong

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: None

Course objectives: To provide extended work at the French 2A/2B level in order to give the student increased exposure to practice using the target language. This, in turn, would give the student proficiency in the language to be successful at the French 3A/3B level.

French 3A/3B

10-12- Yearlong

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: French 2 or equivalent

Course objectives: This course concentrates on increasing student proficiency in understanding and speaking idiomatic French and includes a thorough survey of French grammatical structures, enabling the students to discuss and read short stories and a novel. The course also includes an overview of French history and literature.

French 4A/4B

11-12- Yearlong

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: French 3 or equivalent

Course objectives: To further language proficiency and development, and to review and prepare students for the advanced placement (AP) and college entrance exams.

Japanese 1A/1B

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: None

Course objectives: To offer the fundamentals of Japanese sentence structure through a combination of listening, speaking, reading, and writing activities. It develops an understanding of cultural values and customs through activities and communicative vocabulary. Writing includes the acquisition of *Hiragana* and *Katakana* plus a few *Kanji*.

Japanese 1A/1B Proficiency

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: None

Course objectives: To provide extended work at the Japanese 1A/1B level in order to give the student increased exposure to practice using the target language. This, in turn, would give the student proficiency in the language to be successful at the Japanese 2A/2B level.

Japanese 2A/2B

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: Japanese 1 or equivalent

Course objectives: To continue to emphasize the functional use of Japanese expanding all aspects of listening, speaking, reading and writing with an increasing use of *Kanji* and cultural readings.

Japanese 2A/2B Proficiency

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: None

Course objectives: To provide extended work at the Japanese 2A/2B level in order to give the student increased exposure to practice using the target language. This, in turn, would give the student proficiency in the language to be successful at the Japanese 3A/3B level.

Japanese 3A/3B

10-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: Japanese 2 or equivalent

Course objectives: Emphasis on proficiency in communicative skills using situational conversation such as casual and formal speech, with in-depth study of grammar, culture, and history. These students are encouraged to, but not required to, participate in the summer exchange with our sister school in Naha, Japan.

Japanese 4A/4B

11, 12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: Japanese 3, instructor's permission required

Course objectives: To incorporate Japanese cultural and historical information into reading, writing, and speaking. This course prepares students for the Advanced Placement class. Students are encouraged to, but not required to, participate in the summer exchange with our sister school in Naha, Japan.

AP Japanese A/B

11, 12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$30 for workbook

Prerequisite: Japanese 3, instructor's permission required, students must sit for the AP exam in May

Course objectives: To incorporate Japanese cultural information with the teaching of reading, writing, and speaking. This class is usually taught in conjunction with Japanese 4. These students are encouraged to, but not required to, participate in the summer exchange with our sister school in Naha, Japan.

Spanish 1A/1B

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: None

Course objectives: An introduction to the study of the Spanish language and culture working on developing conversational skills. This class emphasizes good pronunciation, aural comprehension, and self-expression in simple Spanish. It builds practical vocabulary around daily experiences using fundamentals of sentence formation and structural concepts.

Spanish 1A/1B Proficiency

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: None

Course objectives: To provide extended work at the Spanish 1A/1B level in order to give the student increased exposure to practice using the target language. This, in turn, would give the student proficiency in the language to be successful at the Spanish 2A/2B level.

Spanish 2A/2B

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: Spanish 1 or equivalent

Course objectives: To continue to emphasize good pronunciation, aural comprehension and situational conversation with increased emphasis on structural and grammatical patterns in written and oral form.

Spanish 2 A/2B Proficiency

9-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: None

Course objectives: To provide extended work at the Spanish 2A/2B level in order to give the student increased exposure to practice using the target language. This, in turn, would give the student proficiency in the language to be successful at the Spanish 3A/3B level.

Spanish 3A/3B

10-12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: Spanish 2 or equivalent

Course objectives: This course concentrates on increasing student proficiency in understanding and speaking idiomatic Spanish and includes a thorough survey of Spanish grammatical structures.

Spanish 4A/4B

11, 12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: Spanish 3, and permission from instructor

Course objectives: To further language proficiency and development, and to review and prepare students for the advanced placement (AP) and college entrance exams.

AP Spanish A/B

12- **Yearlong**

1 period, ½ credit per semester

Type of credit: Elective **Fee:** \$25 for workbook

Prerequisite: Spanish 4, and permission from instructor

Course objectives: To further language proficiency and development, and to review and prepare students for the advanced placement (AP) and college entrance exams. This course is sometimes taught in conjunction with Spanish 4.

