Nathan Hale High School 
Course Guide 
2022-2023

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

The purpose of Nathan Hale High School is to ensure that ALL students will become honorable, thinking, skillful global 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 https://halehs.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: William Jackson
Assistant Principal: Makela Steward-Monroe
Assistant Principal: Abby Hunt

Ninth Grade Coordinator: Tina Tudor
Counseling Secretary: Lori Takahashi

Nathan Hale High School Counseling Staff:

Kristen Patterson  Counsels:  Students with the last names beginning with A-Gh
Kristie Thompson  Counsels:  Students with the last names beginning with Gi-M
Kelly Creech  Counsels:  Students with the last names beginning with N-Z
About Choosing Your Classes

Graduation from high school requires earning credits in specified subjects and, with careful planning, you can explore personal and career interests and still take the prerequisites needed for your post-high school plans.

Your high school counselors want to help you with that planning process. The NHHS Counseling Program strives to provide students with the skills and knowledge to plan their high school career and beyond by teaching in the classroom, partnering with Mentorship teachers, and meeting one-on-one when students encounter obstacles. Our goal is to be welcoming and informative as we help you plan your four years at Nathan Hale and beyond.

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:** High school is an opportunity to explore one’s interests while meeting graduation requirements. It is important 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.

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

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.

Career Technical Education (CTE)

Career Connections I
Grade 10-12 / Semester / .5 Credit
Type of credit: CTE
Prerequisites: None

Course objectives: Explain and demonstrate steps for obtaining employment and developing a career. Understand the interviewing process and skills to completing an informational interview. Assess personal skills, abilities, aptitude, and personal strengths & weaknesses as they relate to career exploration. Develop and practice workplace readiness skills. Recognize importance of employable and work-based skills in work-based learning activity. Students learn about Personal Finance goalsetting, Opportunity Costs, Financial Strategies, and Personal Financial Statements. Students use technology within all content areas to collaborate, communicate, generate innovative ideas, investigate, and solve problems through word processing, data analysis, presentation software, electronic file storage, and demonstrate digital etiquette. Students will have a clear understanding of technology systems and operations and practice safe, legal, and ethical behavior. Career Connections is an option for any CTE Pathway.

Career Connections II
Grade 10-12 / Semester / .5 Credit
Type of credit: CTE
Prerequisites: None; Career Connections 1 recommended

Course objectives: This semester long course is designed to teach you the processes and strategies involved with successful career management. Whether you’re contemplating starting a career, trying to choose a career path, or are looking to make changes or improvements to your career goals, this course will provide you with the information you need on your way to achieving success. During Career Connections 2 you will have an internship experience (paid or unpaid) and demonstrate a deeper understanding of worksite learning including branding yourself on social media, interviewing skills, and how to prepare for the first day on the job. Recommend taking Career Connect 1 before taking Career Connect 2.

Health & Medical Careers

Intro to Medical Careers
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: None

Explore a wide range of health & medical careers and build the solid academic and practical foundation necessary to successfully pursue a career in health and medical career fields. You will have the opportunity to earn an industry recognized certifications and college credit. Students in the pathway will also receive: Opportunities to learn from industry professionals, hands-on learning experience, extra academic support for academically challenging courses, extra counseling to navigate during high school, access to internships, career connected field trips and completion of CTE Pathway for graduation option for students who complete all pathway requirements. Students who complete this pathway will be prepared to enter post-secondary degree or certificate program and a job and will be especially attractive to pre-med, nursing, biomedical research, and other competitive degree programs.
Media Arts, Design, & Graphics

Digital Media Intro 1: Intro to Digital Audio, Radio, and Podcasting
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: None
Course objectives: Students will gain both the technical ability and broadcast law and ethics knowledge necessary to operate C89.5. This includes, becoming familiar with how radio and television fit in the larger picture of mass media, learning regulations of radio broadcasting, writing & editing short scripts, learning vocal techniques to read those scripts, learning the operation of various types of broadcast equipment, and practicing audio editing techniques.

Digital Media Broadcast Adv 2: Audio Production, Radio, & Podcasting
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: Dig Med Intro 1
Course objectives: Students will develop production, writing and editing skills for on-air, social media, and podcasting while taking an active role in the on-air duties for C89.5/KNHC FM. Pre-production skills in research and writing, copy-editing and digital recording are enhanced while gaining experience in the operation of professional broadcasting equipment. Coursework and daily job assignments closely parallel those of the electronic media industry.

Digital Media Broadcast Adv 3: Broadcast Media Specialization
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: Dig Med Adv 2
Course objectives: As students enter their third semester in this pathway, they will choose two areas of station operation and become increasingly proficient in both. Areas for specialization include on-air hosting, production / podcasting, music selection / programming, station operations, and social media. Students will increase knowledge while learning to use equipment and software applications specific to their chosen areas. They will also employ sound work habits and learn more about career opportunities in those areas.

Digital Media Broadcast Adv 4: Broadcast Operations & Management
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: Dig Med Adv 2 or 3
Course objectives: This course is designed to prepare students to successfully enter occupations in the digital media field including radio broadcasting, or to study the digital media field at colleges, universities, and other institutions. The program includes a broad, yet detailed sequence of work designed to prepare students for employment in digital media environments. In this course, students are given opportunities for leadership in various departments in which they have previously worked, including positions of Student Production and Podcast Director, Student Music Director, Student Operations Director, and Student Social Media Director.
**Graphic Design Beginning**
Grade 9-12 / Semester / .5 credit
Type of credit: CTE or Art
Prerequisites: None

Course objectives: Graphic Design Beginning is an introductory course that teaches the fundamentals of creatively and effectively communicating through digital images. Employing both traditional and digital tools, students learn graphic design skills, software, and industry standards. Students explore current trends in graphic production and will develop their own artistic style. This course may be cross credited for Fine Arts.

**Photography Beginning**
Grade 9-12 / Semester / .5 credit
Type of credit: CTE or Art
Prerequisites: None

Course objectives: Photography Beginning is designed to explore photography as a method of creative visual communication. Students in this course learn basic camera operations and principles of photography such as photo composition, lighting, exposure, and editing. This course may be cross credited for Fine Arts.

**Photography Advanced**
Grade 9-12 / Semester / .5 credit
Type of credit: CTE or Art
Prerequisites: Photography Beginning

Course objectives: Photography Advanced is designed for students interested in expressing their personal creative vision through photography. Students in this course develop their own ideas through open-ended assignments and explore photography as a potential career pathway. This course may be cross credited for Fine Arts. This course may be repeated for credit.

**Publishing-Yearbook 1 TI & 2 TI**
Grade 10-12 / Yearlong / 1 credit
Type of credit: CTE
Prerequisites: None

Course objectives: Students will complete all activities necessary to plan, publish and sell the school's yearbook in two semesters. Graphic design, photography, journalism, technology, and leadership are all part of this creative and collaborative classroom environment. Deadline commitments and extra hours are needed. The is a digital publication produced in Nathan Hale's Graphics Lab. Students are assigned yearbook pages and are required to take photographs and design content.

**Publishing-Yearbook 3 TI & 4 TI**
Grade 11-12 / Yearlong / 1 credit
Type of credit: CTE
Prerequisite: Yearbook 1 & 2 TI

Course objectives: Students will complete all activities necessary to plan, publish and sell the school's yearbook in two semesters. Graphic design, photography, journalism, technology, and leadership are all part of this creative and collaborative classroom environment. Deadline commitments and extra hours are needed. The is a digital publication produced in Nathan Hale’s Graphics Lab. Students are assigned yearbook pages and are required to take photographs and design content.
Recording Art Tech 1
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: None

Course objectives: Students will master the basics of electronic/MIDI music production technology. This includes using industry standard software to sample, sequence, synthesize and produce music, applying fundamentals of music theory and composition, demonstrating knowledge of basic audio production and recording, and using electronic instruments to manipulate sound and create music.

Recording Art Tech 2
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: Recording Art Tech 1

Course objectives: Course objectives: Students master advanced electronic/MIDI music production techniques and digital audio theory. Use industry standard software and electronic instruments to sample, sequence, synthesize and produce original music. Demonstrate mastery of basic music theory and songwriting, and knowledge of advanced audio production and recording. Create complete songs and apply advanced sound design technique to a wide range of challenges.

STEM-Science, Technology, Engineering, and Math

Environmental Horticulture I
Grade 10-12 / Semester / .5 credit
Type of credit: CTE or Science
Prerequisite: None

Course Objectives: This course introduces the student to the general field of Environmental Horticulture. The student learns the scope of the industry, opportunities, and knowledge required to qualify for these opportunities. The student also learns about horticultural equipment, greenhouse design and use, and plan identification. Soil-water-plant relations are studied, and floral design is introduced. By producing crops, the student also learns proper plant care, plant propagation, general greenhouse operations and materials. When the crops are ready for sale, students increase their knowledge by learning the cash register, sales techniques, and product displays. The student is also exposed to proper use and safety of landscape equipment, skill, and knowledge of basic floral techniques and to bedding and houseplant identification.

Environmental Horticulture II
Grade 10-12 / Semester / .5 credit
Type of credit: CTE or Science
Prerequisite: Environmental Horticulture I

Course Objectives: This course introduces the student to the general field of Environmental Horticulture. The student learns the scope of the industry, opportunities, and knowledge required to qualify for these opportunities. The student also learns about horticultural equipment, greenhouse design and use, and plan identification. Soil-water-plant relations are studied, and floral design is introduced. By producing crops, the student also learns proper plant care, plant propagation, general greenhouse operations and materials. When the crops are ready for sale, students increase their knowledge by learning the cash register, sales techniques, and product displays. The student is also exposed to proper use and safety of landscape equipment, skill, and knowledge of basic floral techniques and to bedding and houseplant identification. Environmental Horticulture also adheres to the science standards defined in the articulation agreement with South Seattle College, renewed Winter 2020, and the standards for Plant Systems pathway within the Washington OSPI frameworks for Agriculture Food and Natural Resources.
Human-Centered Design: “HaleWerks”  
Grade 9- 12 / Semester / .5 credit  
Type of credit: CTE  
Prerequisites: None

Course objectives: RESEARCH, DESIGN, BUILD, REPEAT. In this semester long course students will apply the human-centered design process to tackle problems at Nathan Hale HS. A demonstration will introduce the week’s new technique, such as user research, generative ideation, Arduino tinkering, 3D printing, paper prototyping, video editing, graphic design, etc. This is a studio course oriented towards hands-on exploration with a minimum of lectures to make use of our maker lab. The spirit of a studio-based practice is that learning happens by talking, making, and critiquing in groups. Each exploration will conclude with a web base. The final project will require students to develop and evaluate a prototype for a design project of their choice, using one or more of the techniques they explored during the course. For additional information about the human-centered design process go to [http://bit.ly/HaleWorks](http://bit.ly/HaleWorks)

Computer Science: Introduction to Programming  
Grade 9-12 / Semester / .5 credit  
Type of credit: CTE  
Prerequisites: Algebra 1, No prior programming skills needed.

Course Objective: This course will introduce students to the field of computer science as well as the fundamentals of computer programming. CS1 is specifically designed for students with no prior programming experience and touches upon a variety of fundamental topics. Students will explore how computing enables innovation in a variety of fields and the impacts that those innovations have on society. By the end of the course, students will understand the basics of computer science and the Java programming language. The principles learned here will be developed further as you progress through the computer science discipline.

AP Computer Science Principles 1 & 2  
Grade 10- 12 / Yearlong / 1 credit  
Type of credit: CTE  
Prerequisites: Algebra 1, No prior programming skills needed.

Course Objective: Ever wanted to make your own mobile apps? Computer Science Principles introduces students to the central ideas of computer science, inviting students to develop the computational thinking vital to success across multiple disciplines. Students will design and program interactive applications for mobile devices. The course is not programming intensive. Instead fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. Emphasis will be placed on systematic problem-solving and logical thinking. This class is designed to help prepare students for completing the AP Computer Science Principles exam (optional).

AP Computer Science A1 & A2  
Grade 10-12 / Yearlong / 1 credit  
Type of credit: CTE  
Prerequisites: Algebra 1; CS1 or CS2 recommended

Course Objective: The course is equivalent to a college level introduction to programming course. This class assumes students enjoy using computing tools/technology and interested in learning to design and write basic programming in Java. 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, and defining objects (identifying reusable components, class relationships). Students will learn by designing, writing, and testing their own software. CS3 will prepare students for the AP Computer Science A exam (optional). Following the AP exam students work on independent or group projects.
Robotics 1 (0 Period)
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
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. 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.

Robotics 2 (0 Period)
Grade 9-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: Robotics 1

Course objectives: Students will be able to assemble a robot. Students will be able to demonstrate the different systems in a robot and how they work together as a robot. Students will be able to operate a robot. Students will be able to identify a problem and justify development of a solution from an academic, ethical, or market perspective. Students will be able to identify and evaluate current and past solution attempts. Students will be able to develop multiple possible solutions ideas. Students will be able to create a prototype with a valid testing plan. Students will be able to interpret testing results and summarize. Students will be able to develop professional and project planning skills to complete a design process successfully. Students will be able to identify a problem and justify development of a solution from an academic, ethical, or market perspective. Students will be able to identify and evaluate current and past solution attempts. Competitions with other high schools are also part of the course.
Family and Consumer Science

Nutrition and Wellness
Grade 10-12 / Semester / .5 credit
Type of credit: CTE
Prerequisites: None

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.

Psychology 1
Grade 9-12 /Semester / .5 credit
Type of Credit: CTE
Prerequisite: None

Course Objectives: Have you ever wondered why eyewitnesses are extremely unreliable sources of information? Do video games or porn make people more violent? How do you know if someone is lying to you? Do gender differences exist? How do we grow and change over time? What percentage of our happiness is genetic? What is the cycle of abuse and how can people heal from trauma? What persuasive strategies do marketers use? Is the expression of love similar across cultures? Topics will include learning about theories of personality and human development, with a focus on how we can use psychology to reduce conflict and prejudice. You will also contribute to the field of psychology through your own research on human behavior.

Family Health
9th grade Academy
Grade 9 / Quarter / .5 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 using lecture, films, speakers, videos, discussion, activities, readings, and assignments.

Personal Choices
9th grade Academy
Grade 9 / Quarter / .5 credit
Type of credit: CTE
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.
Education Support Classes

ELL Support Class
Grade 9-12 / Yearlong / .5 credit per semester
Type of credit: Unspecified Elective
Prerequisite: Qualifies for ELD Services

Course objectives: To provide extra support to English language learners (ELL) 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. 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. 12th grade students will also receive assistance on their Culminating Project.

Life Skills
Grade 9-12 / Yearlong / .5 credit per semester
Type of credit: Unspecified Elective
Prerequisite: Instructor recommendation and an IEP

Course objectives: This course is for students with Individualized Education Plans (IEP). The main emphasis is the development of skills all students will need to use in their adult life. It concentrates on communication skills, writing skills, reading skills, analysis skills, conflict resolution, family finances and household budgeting, and planning skills. The students will develop social skills used at the work site and in the family unit. Students work toward their annual IEP goals through assignments from the general education curriculum in addition to specially designed instruction provided by the instructor.

Study Skills
Grade 9-12 / Yearlong / .5 credit per semester
Type of credit: Unspecified Elective
Prerequisite: Instructor recommendation and an IEP

Course objectives: This course is for students with Individualized Education Plans (IEP) and is designed to provide instruction to students who require additional support with core academic class content in addition to the instruction outlined in their IEPs. Concepts taught include, but are not limited to, study skills, organization, transition supports, and reading, writing, and math strategies with an emphasis in basic skills. Students work toward their annual IEP goals through assignments from the general education curriculum in addition to specially designed instruction provided by the instructor.

Also see Math, Language Arts, Social Studies, and Science sections for modified courses in these areas of study.
Theater

Musical Theater Production (0 Period)
Grade 9-12 / Semester / .5 credit
Type of credit: Arts
Prerequisite: Audition

Course objectives: Musical Theatre Production prepares students to synthesize the skills and techniques of acting, singing, dancing, and performance into a musical theatre production for a public audience. Throughout this process students develop community by working as an ensemble. This course mirrors professional theatre standards, culminating in a full-scale production of a musical. This course may be repeated for credit.

Technical Theatre
Grade 9-12 / Semester / .5 credit
Type of credit: Arts
Prerequisite: None

Course objectives: Technical Theatre Beginning is a production-oriented course that provides foundational stagecraft skills and safety procedures preparing students for industry and college study of technical theatre. Students engage in scenic design and construction, lighting, sound, properties, costumes, make-up, special effects, theatre management, stage management, and theatre terminology. This course may be repeated for credit.

Theatre Beginning
Grade 9-12 / Semester / .5 credit
Type of credit: Arts
Prerequisite: None

Course objectives: This introductory course is for all students looking to develop skills in acting and performing in front of others. Public speaking, creative problem solving, and collaboration are explored through creative activities, voice and movement exercises, improvisation, story structure, creating character, and scene study. No previous theatre experience necessary. All students are welcome. This course may be repeated for credit.

Theatre Intermediate: Unified Drama
Grade 10-12 / Semester / .5 credit
Type of credit: Arts
Prerequisite: None

Course objectives: This intermediate course explores the art of creating character and commanding the attention of an audience during performance. The course includes analysis of contemporary and classic scripts, professional blocking and directing, and preparing monologues for auditions. Students utilize self-direction to collaborate in small groups and an openness to critical feedback and reflection. The course leads up to a public performance. This course may be repeated for credit.

Theatre Advanced
Grade 10-12 / Semester / .5 credit
Type of credit: Arts
Prerequisite: Theatre Beginning, Theatre Intermediate, or teacher approval

Course objectives: This advanced course expands exposure to contemporary and classic plays, broadens student repertoire of audition material, and explores specialized acting skills. The course may include topics such as advanced acting methods, resume development, movement-based acting techniques, pantomime, mask work, improvisation, stage combat, stage make-up, or creative drama. This course may be repeated for credit.
**Theatre For Justice**  
Grade 9-12 / Semester / .5 credit  
Type of credit: Arts  
Prerequisite: None

In this project-based course, students collaborate to explore local and world issues through scripted pieces and works that are created in class. Students explore global theatre genres and styles and how they represent cultural, social, economic, and political issues. Students learn how dramatic performance can be used as an expression of social change and activism. This course may be repeated for credit.

**Theatre Play Production**  
Grade 9-12 / Semester / .5 credit  
Type of credit: Arts  
Prerequisite: Audition

Course objectives: Theatre Play Production prepares students to use the skills and techniques of acting and performance in one or more plays produced for a public audience. This course mirrors professional theatre standards, culminating with a full-scale production of a play. Students may also have opportunities to work in areas of theatre production including directing, scenic design and construction, costuming, properties, stage management, and publicity. This course may be repeated for credit.

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**Music**

**Non-Ensemble**

**Guitar Lab**  
Grade 9-12 / Semester / .5 credit  
Type of credit: Arts  
Prerequisite: None

Course objective: Students in this course will learn the necessary skills and concepts to gain a foundational proficiency on guitar and music-reading. This course may be repeated for credit.

**Music Survey**  
Grade 9-12 / Semester / .5 credit  
Type of credit: Arts  
Prerequisite: None

Course objective: This one-semester course is open to all students interested in learning the basics of music theory and music history. Students learn skills and concepts to gain rudimentary proficiency in reading music. Students listen to, analyze, and describe music from a variety of genres, which may include popular, folk, classical, world music, and jazz. Students explore compositional techniques.

**Piano Lab 1**  
Grade 9-12/ Semester / .5 credit  
Type of credit: Arts  
Prerequisite: None

Course objectives: Students in this course learn to play the piano. Students in the piano class will learn the necessary skills and concepts to gain a foundational proficiency on the piano keyboard. This is a one semester class. This course may be repeated for credit.
Ensemble

Band

Jazz Band A & B
Grade 9-12 / Yearlong / 1 credit
Type of credit: Arts
Prerequisite: Audition

Course objectives: Students in this year-long performing ensemble learn about various jazz styles and concepts, including improvisation, jazz theory, and jazz history with traditional wind and rhythm section instrumentation. Students participate in all Jazz Band performances and activities during or outside the normal school day, including participation in festivals and trips. Students may receive CTE credit after fulfilling all Fine Arts credit requirements. This course may be repeated for credit.

Symphonic Band A & B
Grade 9-12 / Yearlong / 1 credit
Type of credit: Arts or CTE after completing 4 semesters
Prerequisite: None

Course objectives: This year-long performing ensemble is designed for advanced students who play traditional woodwind, brass, and percussion instruments. Students develop skills in tone production, phrasing, rhythmic and aural acuity, advanced technical skills associated with one’s instrument, and correct posture. Band students learn and perform a wide variety of music from different cultures and time periods. Students perform in school concerts, regional festivals, and athletic events. Students may receive CTE credit after fulfilling all Fine Arts credit requirements. This course may be repeated for credit.

Wind Ensemble A & B
Grade 10-12 / Yearlong / 1 credit
Type of credit: Arts or CTE after completing 4 semesters
Prerequisite: Symphonic Band OR Audition

Course objectives: This year-long performing ensemble is designed for advanced students who play woodwind, brass, and percussion instruments. Students continue to develop skills in tone production, phrasing, rhythmic and aural acuity, advanced technical skills associated with one’s instrument and correct posture. Students learn and perform a wide variety of music from different cultures and time periods. Students perform in school concerts, regional festivals, and athletic events. Students may receive CTE credit after fulfilling all Fine Arts credit requirements. This course may be repeated for credit.

Choir

Concert Choir A & B
Grade 9-12 / Yearlong / 1 credit
Type of credit: Arts
Prerequisite: None

Course objectives: Students in this year-long course participate in an intermediate to advanced choral performing ensemble that performs quality choral literature from a variety of genres and cultures. Students learn vocal technique and musicianship skills. Students perform in school concerts and regional festivals. This course may be repeated for credit.
**Chorale A & B**
Grade 9-12 / Yearlong / 1 credit  
Type of credit: Arts  
Prerequisite: Concert Choir or Audition  

Course objectives: This advanced year-long course is designed to prepare the serious choral student for choral music experiences beyond high school. Chorale is an advanced choral performing ensemble. Students perform quality choral literature from a variety of genres, cultures, and styles, and learn correct vocal technique and musicianship skills. This course is a continuation of the choir sequence. Students perform in school concerts and regional festivals. This course may be repeated for credit.

**Vocal Jazz (0 Period)**
Grade 9-12 / Yearlong / 1 credit  
Type of credit: Arts  
Prerequisite: Audition  

Course objectives: This advanced course is designed for advanced musicians with an interest in jazz music. Vocal Jazz is a small mixed-voices ensemble for advanced singers and rhythm section. Students learn about various jazz styles and concepts, including improvisation and jazz theory. Students perform in school concerts and regional festivals. This course may be repeated for credit.

**Orchestra**

**Concert Orchestra A & B**
Grade 9-12 / Yearlong / 1 credit  
Type of credit: Arts  
Prerequisite: None  

Course objectives: This year-long performing ensemble is for intermediate to advanced students of String instruments, and may also include Wind, Brass, and Percussion instruments. Orchestra students play a wide variety of music from different cultures and time periods and perform in school concerts and regional festivals. Students develop skills in tone production, phrasing, rhythmic and aural acuity, and the advancement of technical skills. Students may receive CTE credit after fulfilling all Fine Arts credit requirements. This course may be repeated for credit.

**Chamber Orchestra A & B**
Grade 9-12 / Yearlong / 1 credit  
Type of credit: Arts  
Prerequisite: Audition  

Course objectives: This year-long performing ensemble is for advanced students who play violin, viola, cello, and bass. Orchestra students play a wide variety of music from different cultures and time periods and perform in school concerts and regional festivals. Students develop advanced skills in tone production, phrasing, rhythmic and aural acuity, and the advancement of technical skills such as shifting, vibrato, and bow control. Students will and deepen their understanding of their role within the ensemble.
Visual Arts

Art Survey
Grade 9-12 / Semester / .5 credit
Type of credit: Arts
Fee: $25
Prerequisite: None

Course objectives: In this introductory course, students cover a broad range of art concepts, techniques, and media. Study of the Elements of Art and Principles of Design are included in the projects to begin establishing fluency in the language of art. Sketchbooks are used to document the progression of skills acquired, and self-expression. The sketchbook contains visual and written entries, including responses and reflections on works of art. No previous art experience necessary. All students are welcome. This course may be repeated for credit.

Ceramics Beginning
Grade 9-12 / Semester / .5 credit
Type of credit: Arts
Fee: $40
Prerequisite: None

Course objectives: This beginning course is for students who want to work with their hands and develop ideas in 3-dimensional form. Students work with clay, creating both functional and non-functional art pieces. Students learn the properties of clay, construction methods, glazing techniques and the firing process as core concepts of this course. Students learn about ceramic arts and artists from a variety of contemporary and historical sources and across cultures. No previous art experience necessary. All students are welcome. This course may be repeated for credit.

Ceramics Advanced
Grade 9-12 / Semester / .5 credit
Type of credit: Arts or CTE
Fee: $40
Prerequisite: Ceramics

Course objectives: In this course, students explore Ceramics at a higher level with hand building and wheel methods. Students design and develop works through investigation of techniques and materials through ceramic arts and artists from a variety of contemporary and historical sources across cultures. Assignments are more complex, challenging students to make deeper connections and use voice to communicate ideas. Students have a portfolio of work at the end of the semester. Students may receive CTE credit after fulfilling all Fine Arts credit requirements. This course may be repeated for credit.

Drawing and Painting Beginning
Grade 9-12 / Semester / .5 credit
Type of credit: Arts
Fee: $40
Prerequisite: None

Course objectives: Drawing and Painting Beginning introduces students to the Elements of Art and Principles of Design. Study of these is included in art projects to establish fluency in the language of art. Students create art in a variety of drawing and painting media and explore the relationship between observation, artistic vision, and composition. Students use sketchbooks or other means to develop skills and ideas. Visual Art builds lifelong skills through critical thinking and the creative process. No previous art experience necessary. All students are welcome. This course may be repeated for credit.
**Drawing and Painting Advanced**
Grade 9-12 / Semester / .5 credit  
Type of credit: Arts or CTE  
Fee: $40  
Prerequisite: Drawing and Painting

Course Objectives: Drawing and Painting Advanced is intended for students who want to further their knowledge and experience in drawing and painting media. Students in this course continue to create art and explore the relationship between observation, artistic vision, and composition in an advanced setting. Students explore media and ideas with more independence and demonstrate responding and reflecting on their own work and that of others. Students produce a portfolio of work at the end of this course. Students may receive CTE credit after fulfilling all Fine Arts credit requirements. This course may be repeated for credit.

**Photography Beginning**
Grade 9-12 / Semester / .5 credit  
Type of credit: Arts or CTE  
Fee: $85  
Prerequisite: None

Course Objectives: Photography Beginning is designed to explore photography as a method of creative visual communication. Students in this course learn basic camera operations and principles of photography such as photo composition, lighting, exposure, and editing. This course may be cross credited for Fine Arts.

**Photography Advanced**
Grade 10-12 / Semester / .5 credit  
Type of credit: Arts or CTE  
Fee: $85  
Prerequisite: Photography Beginning

Course Objectives: Photography Advanced is designed for students interested in expressing their personal creative vision through photography. Students in this course develop their own ideas through open-ended assignments and explore photography as a potential career pathway. This course may be cross credited for Fine Arts. This course may be repeated for credit.
Additional Electives

**Leadership**
Grade 10-12 / Yearlong / 1 credit  
Type of credit: Elective or CTE after completing 4 semesters.  
Prerequisites: Teacher permission (Elected officers, commissioners, or club leaders)

Course objective: This class is a leadership learning laboratory that supports and challenges students to develop the habits of citizenship, service, ethical leadership, and the ability to think and act on behalf of the common good. It focused not only on developing lasting leadership capacity, but on touching the hearts of youth, encouraging them to live and act from their values, and feel empowered to make the world a better place.

**Microsoft Imagine Academy**
Grade 10-12 / Yearlong / .5 credit  
Type of credit: Mentorship  
Prerequisites: none

Course objective: Microsoft Imagine Academy gives students the curricula and certifications they need to succeed in a tech-driven economy. Students will choose to learn coding skills, develop in-demand skills in IT administration, get an intro to data science, or master Microsoft Office applications that are in demand in today's workplace. Set and accomplish your goals toward industry recognition and certification in this self-paced and exciting mentorship.

**SEQACIB**
Grade 9-12 / Semester or Yearlong / .5 credit per semester  
Type of credit: Unspecified Elective  
Prerequisites: None

Course objective: Šaqačib has two objectives: Identity safety and academic achievement. The classroom is a Native focused space that supports, encourages, and pushes students to becoming confident life-long learners. Students receive extra time and support in all subject areas. The class also explores Native teachings, history, and ways of living; students are encouraged to explore their own tribal identity as well as critically analyze and discuss current issues that impact all tribes. Students who identify as American Indian, Alaskan Native, Canadian First Nations or Pacific Islander are encouraged to take the class (the class is open to all students). This elective can be taken for one semester or for a full year.
Language Arts

Intro to Literature and Composition 9A/9B
9th grade Academy
Grade 9 / Yearlong / 1 credit
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. Seminars, presentations, and focused class discussions are an integral part of the curriculum.

Language Arts 9A/9B Modified
9th grade Academy
Grade 9 / Yearlong / 1 credit
Type of credit: Language Arts
Prerequisites: IEP and teacher permission

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

World Literature and Composition 10A/10B
10th Grade Humanities block with World History 3/4
Grade 10 / Yearlong / 1 credit
Type of credit: Language Arts
Prerequisites: None
*Honors designation available

Course objectives: Through exploration of the humanities students will learn how to think creatively and critically, to reason, and to ask questions. Students will explore major ideas through class discussion, reading world literature and philosophy, study of influential figures, and research. The course seeks a balance between independent efforts and collaborative production, emphasizing problem posing and solving through a Humanities lens. The academic study over the course of the school year will follow the historical pattern(s) of pre-contact, conquest/colonization, liberation, and revolution.

Language Arts 10A/10B M
Grade 10 / Yearlong / 1 credit
Type of credit: Language Arts
Prerequisites: IEP and 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 can meet their IEP goals and objectives. This is a modified course title for students who have an Individualized Education Plan on file.
English 101 English Composition A/B
Grade 11 / Yearlong / 1 credit
Type of credit: Language Arts
Prerequisites: None

Course objectives: This course teaches critical reading and writing with emphasis on argument and rhetoric. Students will read a variety of texts from US authors both historical and contemporary. Particular focus is placed on works by authors of color and other marginalized voices. Students will also have opportunities to express themselves in other creative modalities through interdisciplinary exhibitions such as the Harlem and Renaissance Art and Justice Project. Upon completing this College in the High School course, students may earn college credit through North Seattle College.

Language Arts 11A M and 11B M
Grade 11 / Yearlong /1 credit
Type of credit: Language Arts
Prerequisites: IEP and 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 English Literature Composition
Grade 12 / Yearlong / 1 credit
Type of credit: Language Arts
Prerequisites: None

Course objectives: To serve as an excellent preparation for college level work and as an effective way to conclude 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 close reading, classroom discussion, and written literary analysis as they explore significant literary works. Classes consist of daily discussions, regular reading checks, periodic exams, papers, and group/individual creative projects. Students will also work on the Hale Action Project and their culminating portfolio.

Language Arts 12 M
Grade 12 / Yearlong / 1 credit
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 project, The Hale Action Project (HAP), and their culminating portfolio.

Creative Writing
Grade 9-12 / Semester / .5 credit
Type of credit: Language Arts
Prerequisite: None

This course stresses reading of short, imaginative works, discussion of themes and techniques used by published writers, and writing or poems, short stories, personal essays, descriptions, and dialogue. It provides experiences in using images, figurative language, and concrete detail.
Journalism Writing (Newspaper)
Grade 9-12 / Semester / .5 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-based edition, halesentinel.com.

Advanced Journalism (Newspaper)
Grade 10-12 / Semester / .5 credit
Type of credit: Language Arts or CTE after completing 4 semesters
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.
Mathematics

Algebra 1A and 1B
Yearlong / 1 credit
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
Yearlong / 1 credit
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
Yearlong / 1 credit
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.

Financial Algebra A and Business Math 130
Yearlong / 1 credit
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.

This one semester course is equivalent to a one-quarter Business Mathematics college course. Students are eligible to earn 5.0 college credit after completing this course (tuition fees apply). The course includes instruction and review of basic math functions to prepare students for business classes. Topics may include using ratio-proportion, percents, estimating, basic algebra, trade/cash discounts, promissory notes, credit terms, and other consumer related activities. Although this course does not fulfill the math requirement for four-year degrees, it does fulfill the math requirement for many two-year Associate in Technical Arts (ATA) degrees. Including Accounting, Business Information Technology, Business Management, Construction Management, Culinary Arts, Horticulture, Hospitality and Tourism, Medical Information Technology, and others. Completion of this course with a D or higher fulfills the high school math graduation pathway requirement. Note: College in the High School courses can be completed in one semester for 1.0 math credit. Note: Teachers of this course must be approved as associate faculty with Edmonds College prior to teaching this course.

Pre-Calculus A and B
Yearlong / 1 credit
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.

AP Calculus AB A and B
Yearlong / 1 credit
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 A and B
Yearlong / 1 credit
Type of credit: Mathematics
Prerequisites: successful completion of Pre-Calculus or equivalent.

Course objectives: This course introduces 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 1&2 - M**
Yearlong / 1 credit
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 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 1A & 1B - M**
Yearlong / 1 credit
Type of credit: Math
Prerequisite: Instructor permission and an IEP

Course objectives: This course includes but is not limited to, basic math skills, concepts in Pre-algebra and Algebra 1 with a focus on calculation, problem solving and application to real life scenarios. Placement is provided for students whose math skills have been assessed at lower than those needed to successfully complete Algebra 1 in a general education setting, 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**
Yearlong / 1 credit
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**
Yearlong / 1 credit
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.

**Consumer Math - M**
Yearlong / 1 credit
Type of credit: Math
Prerequisite: Instructor permission and an IEP

Course objectives: This course includes but is not limited to, basic math skills, concepts in Pre-algebra and Algebra 1 with a focus on calculation, problem solving and application to real life scenarios involving finance and independence. Placement is provided for students whose math skills have been assessed at lower than those needed to successfully complete Algebra 1 in a general education setting, or if progress in Algebra 1 was not sufficient. The curriculum is designed to meet IEP goals and objectives.
Physical Education

Team Sports I
Grade 9-12 / Semester / .5 credit
Type of credit: Physical Education
Prerequisites: None


Individual Activities I
Grade 9-12 / Semester / .5 credit
Type of credit: Physical Education
Prerequisites: None

Course objectives: This class includes traditional and non-traditional individual and team activities. Open to all skill levels and grade levels, possibilities for course activities include, but are not limited to, team handball, capture the flag, ultimate frisbee, rugby, pickleball, juggling, hacky sack, bocce ball, walking, wiffleball baseball.

Racquet Sports (Individual Activities II)
Grade 9-12 / Semester / .5 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
Grade 10-12 / Semester / .5 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
Grade 9-12 / Semester / .5 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.
Yoga I (Lifetime Activities I)
9-12-Semester
1 period, ½ credit
Type of credit: Physical Education
Prerequisites: None

Take a break from the chaotic school-day to de-stress! Learn yoga movement and postures that improve balance, coordination, flexibility, and strength in this low-key and fun class. Learn relaxation and stress-reducing techniques. Each class period, we will do a variety of yoga poses for mobility/stretching, core strength, and muscle tone combined with mindfulness, meditation, and relaxation. Course includes some walking on sunny days and other forms of mindful movement depending on the interests of the participants.

Yoga II (Lifetime Activities II)
9-12-Semester
1 period, ½ credit
Type of credit: Physical Education
Prerequisites: Yoga 1 (Lifetime Activities I)

Take a break from the chaotic school-day to de-stress! Learn yoga movement and postures that improve balance, coordination, flexibility, and strength in this low-key and fun class. Learn relaxation and stress-reducing techniques. Yoga 2 participants can learn more advanced versions of postures, if desired, or continue to improve their existing practice. Each class period, we will do a variety of yoga poses for mobility/stretching, core strength, and muscle tone combined with mindfulness, meditation, and relaxation. Course includes some walking on sunny days and other forms of mindful movement depending on the interests of the participants.
Science

Physics A
9th grade Academy
Grade 9 / Quarter / .5 credit
Type of credit: Science
Prerequisites: None
*Honors designation available

Course objectives: In this course, Physics A: Wave Properties and Technology, students will study Newton’s Law of Gravitation, Coulomb’s Law, speed of waves, electromagnetic radiation and its effects on matter, technological devices, Big Bang theory, digital transmission, and storage of information. Students will refine their science and engineering skills within the context of an engaging storyline to explain a phenomenon.

Chemistry A
9th grade Academy
Grade 9 / Quarter / .5 credit
Type of credit: Science
Prerequisites: None
*Honors designation available

Course objectives: In this course, Chemistry A: Origin of the Elements and Material Science, students will study fission, fusion, and radioactive decay, properties of elements, simple chemical reactions, structure of substances and forces between particles, designing materials, life span of the sun, and the way stars produce elements. Students will refine their science and engineering skills within the context of an engaging storyline to explain a phenomenon.

Biology A & B
Grade 10 / Yearlong / 1 credit
Type of credit: Science
Prerequisites: None
*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 A & B - Modified
Grade 10 / Yearlong / 1 credit
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
Grade 10-12 / Semester / .5 credit
Type of credit: Science
Prerequisites: None

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.

Chemistry B & C
Grade 11-12 / Yearlong / 1 credit
Type of credit: Science
Fee: $15 suggested donation
Prerequisites: Chemistry A
*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.

Environmental Horticulture 1
Grade 10-12 / Semester / .5 credit
Type of credit: Science or CTE
Prerequisites: None

Course objectives: Horticulture is the science of growing plants for personal use or commercial sale. Ecology is the study of the relationships between organisms and their physical environment. Students in this course will grow edible and ornamental plants for our plant sales and will learn how to give gardening advice to our customers. Students will also learn to identify some native and non-native plants and learn some of the basics of landscaping and vegetable gardening. Finally, students will look at the efforts taken to preserve the environment and improve our farming and food production systems.

Environmental Horticulture 2 (Advanced)
Grade 10-12 / Semester / .5 credit
Type of credit: Science or CTE
Prerequisites: Env. Horticulture 1

Course objectives: Horticulture is the science of growing plants for personal use or commercial sale. Ecology is the study of the relationships between organisms and their environment. Students in this course will grow edible and ornamental plants for our plant sales and will learn how to give gardening advice to our customers. Students will also learn to identify some native and non-native plants and learn some of the basics of landscaping and vegetable gardening. Finally, students will look at the efforts taken to preserve the environment and improve our farming and food production systems.
AP Environmental Science
Grade 11-12 / Yearlong / 1 credit
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 B & C
Grade 12 / Yearlong / 1 credit
Type of credit: Science
Prerequisites: Pre-Calculus (can be concurrently enrolled)

Course objectives: Through collaborative labs, lecture 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
Grade 10-12 / Semester / .5 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 discipline.
Social Studies

World History 1 and 2
9th grade Academy
Grade 9 / Yearlong / 1 credit
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 1 and 2 Modified
9th grade Academy
Grade 9 / Yearlong / 1 credit
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 3 and 4
10th Grade Humanities block with World Literature 10 A/B
Grade 10 / Yearlong / 1 credit
Type of credit: Social Studies
Prerequisite: None
*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 3M and 4M
10th Grade Humanities block with Lang Arts 10 A/B M
Grade 10 / Yearlong / 1 credit
Type of credit: Social Studies
Prerequisite: IEP and 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.
History 147 and History 148 U.S. History 11A/B  
Grade 11 / Yearlong / 2 credit  
Type of credit: Social Studies  
Prerequisite: None, World History 3/4 preferred.  
ELLIGIBLE FOR COLLEGE IN THE HIGH SCHOOL CREDIT

Course objectives: To direct students in an in-depth study of specific topics related to broader themes of the course:
- How does our history define our present?
- Who did the Constitution serve and who did it leave behind?
- How did a multitude of peoples, cultures and ethnicities contribute to the creation of the nation? How do those experiences relate to national issues today?
- What does justice mean in our history and our present?

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 based on an informed judgment
- Understand different perspectives of events and what influences those perspectives.
- To present ideas clearly and persuasively in essay form

Upon completion of this College in the High School course, students have the option to register to earn Edmonds Community College credits. (See last page of catalog for additional information).

Political Science 101  
Grade 12 / 1st Semester only / .5 credit  
Type of credit: Social Studies  
Prerequisite: None, U.S History preferred.  
ELLIGIBLE FOR COLLEGE IN THE HIGH SCHOOL CREDIT

Course objectives: We examine the political systems of the United States with an emphasis on helping students become informed voters in a participatory democracy. The course will be divided into the following units of study:
- Political Ideologies
- The Social Contract
- Examination of 2 Major Parties
- Political Propaganda
- The Election Process
- The Constitution and branches of government
- Classroom Based Assessment (CBA -state mandated assessment)
- Comparative governments
- Tribal Government

Student in Political Science 101 will learn the duties, responsibilities and privileges of being a citizen and will be encouraged to become directly involved in the political process. We will 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 be able to compare systems of government. Students will host a "Dessert and Politics" evenings as a means of exhibition of skills to the Hale community. Skills include research, speech and debate, persuasion, responsible scholarship, and primary source examination.
General Economics 120
Grade 12 / 2nd Semester only / .5 credit
Type of credit: Social Studies
Prerequisite: None, Pol. Sci 101 preferred
ELIGIBLE FOR COLLEGE IN THE HIGH SCHOOL CREDIT

In the second semester, we examine economics and economic thinking as well as introduce macroeconomics. We will help students become knowledgeable about how the economic system fundamentally works. Economic reasoning, markets and the global marketplace, stock market, personal finance, taxes, fundamentals of economics and application of economic thinking to global and social issues will be examined.

U.S. History 11A M and 11B M
Grade 11 / Yearlong / 1 credit
Type of credit: Social Studies
Prerequisite: IEP and 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 Languages

French 1A/1B
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
Fee: $30 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
Grade 9-12 / Yearlong / 1 credit
1 period, ½ credit per semester
Type of credit: World Language
Fee: $30 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
Grade 9-12 / Yearlong / 1 credit
Type of credit: Elective
Fee: $30 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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
Fee: $30 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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
Fee: $30 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
Grade 10-12 / Yearlong / 1 credit
Type of credit: World Language
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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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 121
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
Prerequisite: Japanese 1A/B or equivalent
ELLIGIBLE FOR COLLEGE IN THE HIGH SCHOOL

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. (See last page of catalog for additional information for College in the High School courses.)
Japanese 122
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
Prerequisite: Japanese 121 or equivalent
ELLIGIBLE FOR COLLEGE IN THE HIGH SCHOOL

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. (See last page of catalog for additional information for College in the High School courses.)

Japanese 123
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
Prerequisite: Japanese 122 or equivalent
ELLIGIBLE FOR COLLEGE IN THE HIGH SCHOOL

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. (See last page of catalog for additional information for College in the High School courses.)

Japanese 4A/4B
Grade 10-12 / Yearlong / 1 credit
Type of credit: World Language
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 5A/5B
Grade 10-12 / Yearlong / 1 credit
Type of credit: World Language
Prerequisite: Japanese 3, instructor’s permission required, students must sit for the AP exam in May
ELLIGIBLE FOR COLLEGE IN THE HIGH SCHOOL (See last page of catalog for additional information)

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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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/B
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language
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
Grade 10-12 / Yearlong / 1 credit
Type of credit: World Language
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 5A/5B
Grade 10-12 / Yearlong /1 credit
Type of credit: World Language
Fee: $35 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.
Spanish Heritage Speaker A/B
Grade 9-12 / Yearlong / 1 credit
Type of credit: World Language

Course Objectives: Spanish for Heritage Speakers is a year-long course that supports, reinforces, and expands student knowledge of their own tongue. Because students understand at least the rudiments and structure of the language and have a working vocabulary, (to a greater or lesser extent), this course often moves faster than other Spanish courses. It will emphasize literary development (with a study of literature and composition). This course will also include culture and history of the variety of Spanish-speaking cultures. Students will learn translation skills. Students will demonstrate a deeper understanding of the relationship between the practices, products, and perspectives of Spanish-speaking people. At the conclusion of this course students will be able to: - Engage in conversation on familiar topics with spontaneity, - Ask and answer a variety of questions with justification, express opinions, feelings and attitudes using appropriate vocabulary, understand both in/formal authentic audio recordings, broadcasts and video, use knowledge of Spanish language structure to derive meaning from a variety of authentic written text, write organized, coherent pieces incorporating a variety of details and description using both simple and complex sentence structures (up to 200 words), acknowledge, compare, and discuss the practices, beliefs and perspectives of Spanish-speaking cultures.

The Spanish for Heritage Speakers curriculum is guided by a set of rigorously vetted course objectives that focus on improving communication skills already present and span the formation of simple structures to more complex sentence structure and word choice to creatively describe a variety of topics and situations. The course objectives encourage students to talk and write about identity, technology and communication, food and travel, healthy lifestyle, art and music, careers, and the future.

This course prepares students for the complexities they will face in college and career through a carefully constructed course of study. The course leads students in gaining a larger global perspective while learning to communicate with a variety of people in socially appropriate ways. As a result, students are prepared to perform actions like carrying on formal and informal conversations in Spanish to get or give information, read and write paragraphs about selected topics in Spanish, and communicate their understanding of some products, practices, and perspectives of Spanish culture. Through a structured progression of topics that are current, relevant and meaningful for them, students will gain the knowledge and skills that enable them to communicate in writing and speech and to practice being a better global citizen.
College Courses

College in High School

11, 12 – Yearlong
Credits: high school credit and college credit
Type of credit: See courses listed below. Fee: North Seattle & Edmonds Community College fee per class.

College in the High School is a great opportunity to earn college credits through North Seattle & Edmonds Community College while taking the class(es) at Nathan Hale for high school credit. This is NOT the Running Start program; therefore, the compass test will be waived for College in High School program. Requirements: Students must be a 10th grader or higher to take college credit classes through North Seattle & Edmonds Community College. There is a required fee for each course taken and varies per the classes listed below. If you are interested in earning college credits at Nathan Hale, please talk to the teacher who offers the class. Once enrolled in the class you will need to submit the appropriate paperwork and pay the class fees. For more information, click the link below for the College in High School Programs see the following links:

https://northseattle.edu/college-high-school
https://www.edcc.edu/highschool/chs/

College in High School Classes at Nathan Hale:

- Political Science 101
- General Economics 120
- Business Math 130
- Japanese 121, 122, 123 (Can be taken prior to 11 or 12th grade if prerequisites are met.)
- History 147 US History
- History 148 US History
- English 101 English Composition

Dual Credit

Semester or Yearlong
Credits: high school credit and college credit
Type of credit: See courses listed below.

Dual Credit can apply to students in grades 9-12. All Tech Prep dual credit classes are taken on the high school campus and are identified as Career and Technical Education (CTE) classes. CTE classes integrate academics with technical skill development to help prepare students for advanced education and careers related to "professional-technical" occupations. Instructor will enroll students through an online system. Students must earn a high enough grade to be eligible for college credit. See instructor for details. Tech Prep Courses at Nathan Hale (credit through Seattle Colleges):

- Environmental Horticulture I & II
Seattle Public Schools, SPS, provides Equal Educational Opportunities and Equal Employment Opportunities and does not discriminate in any programs or activities on the basis of sex; race; creed; color; religion; ancestry; national origin; age; economic status; sexual orientation, including gender expression or identity; pregnancy; marital status; physical appearance; the presence of any sensory, mental or physical disability; honorably discharged veteran or military status; or the use of a trained dog guide or service animal. SPS also provides equal access to the Boy Scouts and other designated youth groups.

For students and members of the public, the following employees have been designated to handle questions and complaints of alleged discrimination: Office of Student Civil Rights, (206) 252-0306, or oscr@seattleschools.org, or by mail at Seattle Public Schools, MS 32-149, P.O. Box 34165, Seattle, WA 98124-1166. In that department:

- For sex discrimination concerns, including sexual harassment, contact: Title IX Grievance Coordinator, (206) 252-0367, or Title.IX@seattleschools.org
- For disability discrimination concerns contact: ADA/Section 504 Grievance Coordinator, (206) 252-0178, or accessibility@seattleschools.org

For employee questions about or requests for disability related accommodations and/or complaints of alleged discrimination, including sexual harassment, contact: Assistant Superintendent of Human Resources, Seattle Public Schools, Mailstop 33-157, P.O. Box 34165, Seattle, WA 98124-1166, (206) 252-0024, or hreeoc@seattleschools.org.