2020 - 2021

Inglemoor High School
Course Description Catalog

Grades 9 - 12
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GENERAL INFORMATION

Introduction
This booklet will familiarize students and parents/guardians with school procedures, curriculum, graduation requirements, and post-secondary planning. Students are responsible for understanding graduation requirements and admission requirements for post-high school education.

Ingelmoor high school provides a learning environment in which all students can pursue knowledge, develop positive attitudes, and acquire skills necessary for lifelong learning and responsible citizenship in an interdependent world.

Expected Student Outcomes

- Preparation of all students to become lifelong learners through the development of creative and critical thinking, problem-solving, and communication skills.
- Development of a mastery of core competencies to prepare for the work place and/or continued education.
- Preparation of all students to become ethical, responsible, and contributing world citizens.
- Assistance for students in developing the attitudes, behaviors, and skills necessary to fulfill their potential.

Counseling & Career Center

The primary focus of the Counseling Department is to help students with academic, personal and vocational planning and to foster personal exploration and self-awareness. Students are encouraged to set realistic yet challenging goals, to make responsible decisions, to understand the consequences of their choices, and to learn to self-advocate. All students are assigned to a counselor by the first letter of their last name. Students remain with their respective counselor throughout high school.

Scheduling Assistance

If you cannot find answers you need or if you would like to have individual help in planning your course of study, please contact your counselor.

Schedule Change Policy

It is critical that the choices made by students during registration are considered to be final. Courses that are offered and staffing for the following year are based on the choices students make during the registration process.

Schedule changes may be made on a limited basis for the following reasons:

- A graduation requirement must be added.
- A student does not have the skills to continue in a year-long class.
- Administrative withdrawal is requested.
- Incomplete Schedule
- Duplicate classes/obvious errors
- IEP/ELL placement issues
- Any schedule change that does not meet these criteria is subject to administrative approval.

Semester course changes may be allowed within the first 10 days of a term without penalty. Changes after the 10th day may be considered when extenuating circumstances exist. After the tenth (10th) day, courses dropped will be graded “F”. Year-long classes will not be dropped at any time during the year unless there are extenuating circumstances approved by the principal.

Full-year classes are exactly that: Full Year. Students will not be granted permission to withdraw from a class unless they do not have the skills to continue. The student must attend summer school or make an alternative arrangement in order to meet graduation requirements.

Naviance / Student

The Northshore School District is proud to partner with Naviance/Student to deliver a comprehensive high school and beyond plan curriculum. Naviance/Student is a web based college and career program that is designed to assess students’ personalities, learning style, interests, and strengths, it explores careers, college majors, post-secondary opportunities and scholarships.

Naviance/Student also allows the counseling office to submit transcripts, secondary school reports, and communicate effectively with students and parents about college visits, scholarship opportunities, and more. Students access their individual accounts through the schools individual Naviance website.

Below is the link to the Naviance/Student portal and also found under Resources on the IHS home page. https://student.naviance.com/inglemoorhs Your username is your student number and the password is your birthday in 8 digits (MMDDYYYY).

Some additional resources the Naviance/Student program offers include:

- Researching local scholarship options
- Searching and comparing colleges
- Displaying scattergrams of historical college and admissions data
- Registering for college visits
- Requesting official transcripts
- Exploring personality types and matching them with
career interests
• Researching careers
• Creating a resume
**COURSES FOR STUDENTS IN SPECIAL EDUCATION**

Students in special education will participate in classes as determined in collaboration with their IEP team. Courses will be decided based upon a student’s need for specially designed instruction. Students are also expected to meet all graduation requirements including full credits, state assessments, and high school and beyond plan. Some students may qualify for modifications in state assessments and modified credit expectations as noted on their IEPs.

**Academic Lab Classes**
Academic Lab classes are exclusively for students in special education. These classes are designed to allow students to receive specially designed instruction as outlined on their IEPs including reading, writing, math, social skills, behavior, and study skills/organization.

**Co-Teaching Classes**
Some schools offer co-taught classes. While there are varying co-teaching models these classes are generally taught by both a highly qualified general education teacher as well as a special education teacher in a specific subject area such as Science, Math, Language Arts, or Social Studies. If the special education student in this class has accommodations, they will have a general education course code. If they have modifications, they will have a special education course code.

**ASPIRE**
This is a specially designed behavior program for students that require support in the areas of behavior, social skills and social-emotional needs.

**Mid-Level (ML) Classes***
Mid-Level classes are exclusively for students in special education. These classes are designed for students with significant academic delays and possible cognitive and adaptive skill delays. These classes are meant to replace core content classes in Math and Language Arts. Students access alternative curriculums and smaller classes in order to gain knowledge and skills in these areas.

*Note on Science and Social Studies: Special education students need to participate in Science and Social Studies courses taught by Highly Qualified teachers and access the general education curriculum (can be modified). The only exceptions are students with intellectual impairments that will have IEP determined diploma requirements.

**Functional Skills and Academics (FSA) Classes**
FSA classes are exclusively for students in special education. These classes are designed for students with intellectual impairments and delays in adaptive skills. These course focus on functional academics and life skills. Students access alternative curriculums and smaller classes in order to develop functional skills and independence.
CAREER CENTER RESOURCES AND SERVICES

The Career Center is a unique and valuable area within the High School Counseling Department. Open to all students and parents, the Career Center provides many resources to aid in the exploration of career and post-secondary education. Software, web sites, and printed and audiovisual materials are available on topics ranging from personal assessments to career exploration to college selection. Materials are available for student check-out.

| Naviance / Student | Naviance / Family Student is a web based college and career program that is designed to assess students’ personalities, learning style, interests, and strengths. It explores careers, college majors, post-secondary opportunities and scholarships. Naviance/Student also allows the counseling office to submit transcripts, secondary school reports, and communicate effectively with students and parents about college visits, scholarship opportunities, and more. Students access their individual accounts through their schools individual Naviance/Student website. |
| Visits by College Representatives | College admission representatives visit high schools in the fall and during the school year to make presentations to interested students. They introduce their school and answer students’ questions. |
| Visits by Armed Services Personnel | Recruiters from all the military services are available during their visits or at students’ request. ROTC and service academy representatives visit in the fall and spring to assist students in applying for these programs. Visits are during student lunches. |
| Scholarship Information | Scholarship information is located in the Career Center including books available for check-out. Copies of posted scholarships and applications are available in the scholarship filing cabinet. |
| Community Service and Volunteer Opportunities | A bulletin board containing descriptions of a variety of community service and volunteer opportunities along with contact information are available for check-out. |
| SAT and ACT | Information for college admissions tests are available. Prep materials and practice tests are also available for check-out. |
| Career Interest Assessment | Career interest surveys are available for all students. Students are given interest inventories during their three years of high school. |
| ASVAB Aptitude Test | This nationally recognized aptitude test is offered to interested students. Students can sign up in the Counseling/ Career Center. |
| Career Center Library | Includes a variety of reference material for career, college, financial aid, scholarships, and college admissions. All books are available for student check-out. |
| Computer Work | Computers are available in the Career Center for students to use for researching post-secondary education programs, scholarship searches, job application materials and/or class assignments. |
# Core 24 Graduation Requirements

**Core Credits**
Courses necessary for every graduate to be college and career ready

**Personalized Pathway Requirements (PPR)**
Classes that further students' own interests and align with each student’s High School and Beyond Plan

**Elective Credits**
Exploratory classes of interest

**College & Career Ready Credits**
Graduation requirements for the class of 2019 and beyond.

## College and Career Ready Graduation Requirements for the Class of 2019 and Beyond

<table>
<thead>
<tr>
<th>Core Credits</th>
<th>Personalized Pathway Requirements (PPR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 English</td>
<td>3 Math</td>
</tr>
<tr>
<td>3 Social Studies</td>
<td>2 Health &amp; Fitness</td>
</tr>
<tr>
<td>2 Arts</td>
<td>1 Career &amp; Technical Education</td>
</tr>
<tr>
<td>2 World Language</td>
<td>2 Elective credit courses chosen by the student</td>
</tr>
</tbody>
</table>

Northshore School District
Struggling Our Community Through Excellence in Education
Diploma Requirements for Graduation
for the Graduating Classes of 2019 and Beyond

The following credits and subject areas of study shall be required of each candidate for graduation.

Students will complete 17 Core plus 3 Personalized Pathway* plus 4 Elective credits.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4.00</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.00</td>
</tr>
<tr>
<td>Science</td>
<td>3.00</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3.00</td>
</tr>
<tr>
<td>Health/Fitness</td>
<td>2.00</td>
</tr>
<tr>
<td>Career &amp; Technical Education (Occupational Ed.)</td>
<td>1.00</td>
</tr>
<tr>
<td>The Arts</td>
<td>2.00 credits -OR- 1.00 Arts + 1.00 PPR*</td>
</tr>
<tr>
<td>World Language</td>
<td>2.00 credits -OR- 2.00 PPR*</td>
</tr>
<tr>
<td>Elective Credits</td>
<td>4.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24.00 credits</strong></td>
</tr>
</tbody>
</table>

* PPR = Personalized Pathway Requirements: Courses that lead to a specific post-high school career outcome chosen by the student, based on the student’s interest and High School and Beyond Plan. PPR could be an extra credit of Art, two credits of World Language or credits in another subject area focused in the student’s area of interest.

- Each whole number above indicates a year course of study. An example is: Mathematics with 3.00 credits means three years of study required.
- **Mathematics:** 3.0 credits: 1.0 Algebra I, 1.0 Geometry, and a 3rd credit of math chosen by the student based on the student’s interest and High School and Beyond Plan, and approved by the parent or guardian, or if the parent or guardian is unavailable or does not indicate a preference, the school counselor or principal.
- **Science:** 3.0 credits: 2.0 credits of lab science and a 3rd credit of science chosen by the student based on the student’s interest and High School and Beyond Plan, and approved by the parent or guardian, or if the parent or guardian is unavailable or does not indicate a preference, the school counselor or principal.
- **Social Studies:** 3.0 credits: 1.0 World History, 1.0 US History, and .50 credit in Contemporary World Problems and .50 credit of Civics requirement. One semester in Washington State History and Constitution must be met in 7th grade as a non-credit bearing high school course.
- **Health and Fitness:** 2.0 credits (1.0 credit in Physical Education, .50 credit in Life/Fitness, .50 credit in Health)
- **Career and Technical Education (Occupational Ed.):** 1.0 credit that meets CTE exploratory requirements or higher.
- **The Arts:** 2.0 credits: 1.0 credit to be met in visual and/or performing arts courses, and 1.0 PPR* (see above) credit.
- **World Language:** 2.0 PPR* (see above) credits.
- **Elective Credits:** 4.0 credits chosen by the student.
- Successfully complete two courses in any combination of AP, IB, College in the High School, PNW College Credit, and/or Running Start, unless an alternative course of study is identified through the student’s High School and Beyond Plan.
- Complete the High School and Beyond Plan
- Meet all State high school assessment requirements

If a student earns credit through a Career and Technical Education (CTE) course that is equivalent to a non-CTE course that meets another graduation requirement, the student shall not be required to earn a second credit in the non-CTE graduation requirement course, and vice-versa. The single course would meet two diploma requirements. However, only one credit would be awarded. The student would then be required to earn an additional elective credit, as total credits for graduation will not change.

To preserve the integrity of the Northshore comprehensive high school diploma, 85% of the required credits for graduation shall be earned through the student’s comprehensive high school course offerings. No more than 50% of the graduation requirements in any discipline may be obtained from approved accredited sources outside the Northshore School District. Students who earn more than 15% of the total required credits or more than 50% of the required credits in any discipline from outside sources, and who complete all district requirements for graduation, shall receive a generic Northshore School District diploma.
Waiving Graduation Requirements

Waiving of graduation requirements is determined by the Principal or his/her designee. The procedure for waiving is as follows:

1. The student shall initiate the request. Exemption/Waiver forms are available in the Counseling Center.
2. The Principal or his/her designee shall review the request for waiving of graduation requirement.
3. The Principal or his/her designee shall make a determination in writing based upon appropriate data and upon conclusions of the review.
4. Waiving of a graduation requirement does not reduce the total number of credits needed for graduation.

Policy for Exemption from Physical Education (PE) Portion (1.0 credit) of the Health & Fitness Requirement (2.0 credits)

Schools shall emphasize the worth of physical education, and carry into effect physical education requirements, provided that individual students may be exempted from participating in physical education that otherwise is required on account of physical disability, employment or religious belief, or because of participation in school-directed athletics or military science and tactics, or for other good cause. (Washington State Law)

Health and Fitness requirements:
- HF1 = .5 credit of Life Fitness
- HF2 = 1.0 credit of PE 9-12
- HF3 = .50 credit of Health

Life Fitness and Health cannot be waived with sports waivers or course exemptions.

Northshore School District Procedure
Student(s) must submit a written request for exemption from the physical education (PE) portion of the Health and Fitness requirements to the building administrator or his/her designee; the request may be granted for the reasons stated in the law set forth below:

1. Students participating in high school athletic programs may waive up to 1.00 credit of PE 9-12 through sports participation. Each athletic season = .25 credit waiver. Life Fitness and Health cannot be waived through athletic participation.
2. Students exempted from PE 9-12 requirement must substitute equivalency credits in accordance with NSD school board policies (see Page 5 for graduation requirements).

3. Students may request an exemption from PE for medical reasons. Medical exemptions must be verified by a physician.
4. No Health and Fitness exemption will be granted for Running Start students.
5. Other just cause.

Credits

Credit is obtained by attaining a passing grade in a regularly scheduled course. Students earn .50 credit for each semester course. All students are responsible for reviewing and monitoring progress toward graduation. Transcripts and diploma summaries are distributed annually. Instructions on how to read and interpret these documents are given. Seniors should conference with counselors immediately if they are not enrolled in courses which will meet graduation requirements. Counselors are available to offer guidance in addressing credit deficiencies. Students who have failed course requirements for graduation need to schedule an appointment with their counselor to develop a plan to meet those requirements. Your counselor can provide distance learning options. All outside courses must be pre-approved to be placed on the transcript.

GPA Scale

<table>
<thead>
<tr>
<th>Alpha Mark Scale</th>
<th>GPA Scale (State Required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Exceptions: Teacher and Office Assistant positions will be graded (P) Pass or (F) Fail.

Each student’s grade point average shall be the sum of the point values, as defined above, of all the grades received for all courses attempted, divided by the sum of the credits for all courses attempted. All grades for all courses taken shall be included in the calculation of grade point averages; the ‘P’ grade shall not be computed.

Grade Report Schedule

Student grades can be obtained online at https://parentvue.nsd.org/Login_Parent_PXP.aspx

Semester Grade reports will be mailed home mid-February and the end of June.
Credit Retrieval Programs

Some credit retrieval programs are available during the school year. Contact your counselor for more information.

Summer School

Students who need to make up credits in order to graduate with their class are encouraged to consider summer school through the Northshore Summer Academy program. Additional courses are also available through summer school. Information is available on the district website or counseling offices in April.

Online Courses

Students choosing to take courses from outside online course/program providers must check with their counselors to ensure these providers have been approved by the Digital Learning Department of the Office of Superintendent of Public Instruction (OSPI). Only courses from approved providers will be accepted as viable transfer credits.

Fees

In accordance with state law, the school district will provide each student with the materials and supplies necessary to learn the basic skills taught in their classes. However, many students desire to extend their creativity and educational experiences beyond the basics and many students wish to keep the projects they make in school. In these cases, special materials may be purchased at school, when available (project purchase fee), or brought from home or other sources. Other optional expenses associated with high school include: ASB card, yearbook, school pictures, parking. See course description for any additional class fees.

Fines

It is the student’s responsibility to monitor the safekeeping of books, materials, and equipment issued by the school. A replacement fine will be assessed for lost, stolen, or damaged school property. Fine monies collected will be used by the school to purchase replacement materials.

Fee waivers and reductions shall be granted to students whose families would have difficulty paying by reason of their low income. The USDA Child Nutrition Program guidelines shall be used to determine qualification for a fee waiver or reduction.

In the event the student does not make proper restitution, the following will occur (as per board policy 3520):

- No parking passes will be issued.
- The student will be held out of participation in extracurricular activities, including athletics.
- The student will have withheld prepaid goods purchased including, but not limited to yearbooks, pictures, and optional graduation supplies.
- The student will be held out of participation in optional, non-curricular school activities, including dances and excursions.
- Transcripts and diplomas will be withheld, including transcripts sent with college applications.
- The student will be held out of graduation ceremonies and activities, including walking at graduation.
- Students transferring to another school will have their official transcript withheld and the enrolling school will be notified of unpaid fines/fees.

Athletic Eligibility

The following criteria are required for a student to participate in high school athletics:

1. Be a resident of Northshore School District and living with parent/guardian.
2. Be enrolled in and passing six out of 7 subjects.
3. Fall athletes must have passed 6 classes at the end of the previous spring term.
4. Students will be required to earn a minimum 2.0 GPA for the previous semester in order to achieve interscholastic eligibility.
5. Have a current physical examination on file in the activities/athletic office. Physicals are good for 2 years from the date of the doctor’s visit but must be valid through the sports season until the state playoffs of that sport.
6. Provide insurance company information or purchase insurance.
7. Purchase an ASB card.
8. Participation fee must be paid within the first two weeks of participation. If the sport makes cuts, the fee is due after the athlete has made the team but within the first two weeks.
9. Fines must be paid.
10. Concussion and new sports specific guideline forms must be completed each sports season.

NCAA Freshman Athletic Eligibility

Students wishing to participate in college athletics at any level must meet certain minimum requirements. These requirements are specified by the NCAA Eligibility Center. Separate application to the NCAA is required before any scholarship or athletic recruitment can take place. It is the responsibility of each student to meet the requirements. For more information, visit the NCAA
Eligibility Center website at www.ncaaclearinghouse.net or contact your counselor in the Counseling Department.
AP, COLLEGE IN THE HIGH SCHOOL, PNW College Credit, & RUNNING START

AP (Advanced Placement)

The Advanced Placement program is a cooperative educational endeavor between secondary schools, colleges and universities. Challenging and complex subject matter across a wide spectrum of subject areas is presented in a discussion, lecture and testing format. These classes offer college level content and possible college credit while students are still in high school.

AP Quick Facts

- College credit is available for examinations successfully taken in high school.
- Exempts students from some introductory college courses, thus permitting students to move more quickly into advanced classes.
- Motivates students to attempt more challenging courses in both high school and college.
- Develops the analytical and study skills required to succeed in college courses.
- Reduces college costs and time to obtain a degree.
- Provides direction in selecting college majors.

College in the High School (CHS)

Students have the opportunity to earn college credit in approved high school courses. These courses are indicated/noted with the College in the High School (CHS) designator. Students may take the course for high school credit only, choosing not to pay the college/university fee. Students who choose to take the course for college/university credit, must pay the college/university fee and meet all content requirements in addition to high school course content. Students earning college/university credits will receive a grade and transcript from the college/university. Specific information regarding the credit provider and fees will be provided by the class instructor. Contact your counselor for more information.

NOTE: Per state guidelines, “dual credit” courses such as Advanced Placement (AP) and College in the High School (CHS) must be clearly listed as one or the other on the high school transcript. Some NSD classes are offered as both AP and CHS courses, but students must choose whether they want the AP option or the CHS option, which will determine how the course is listed on their transcript. Students who pay for College in the High School will not have the AP course title on their transcript, and vice-versa. It is important that students and parents do research at the colleges where they plan to apply to see which program is most beneficial to them and choose accordingly.

For a thorough explanation of the dual credit guidelines, please read this document from OSPI: College in the High School and Other Dual Credit Program Guidelines. In addition, the following webpage can provide students information on how WA State colleges apply the AP test scores: http://readyste grad.org/ rsg_cred_wiz/form

PNW College Credit

The Pacific Northwest College Credit program provides students with the opportunity to earn community/technical college credit for certain high school courses.

High school students become eligible to earn community/technical college credit for their specific high school courses by:

- Enrolling in a PNW College Credit class
- Registering for PNW College credit
- Paying the consortium fee (Cost may be subject to change.)
- Completing the courses with a B grade or higher

Courses for which PNW credit is available are noted with (PNW Credit) on the diploma category line. Additional information about approved PNE College Credit programs are available from course instructors, your Career & College Counselor, or at pnwcollegecredit.org

Running Start

Running Start is a program for juniors and seniors who want to earn college credits while in high school. To be eligible for participation in the Running Start program, the entering student must have junior standing and have earned at least 10 credits.

Approved courses taken through Running Start at any community or technical college can earn both high school and college credit. Only those courses numbering 100 or higher at the colleges are eligible for both high school and college credit. Students may enroll full or part-time in Running Start classes. The number of funded Running Start classes is determined by the number of enrolled high school classes and may not exceed 1.2 total FTE. (Refer to the chart below). The dates of college quarters and the high school semesters do not always match. When high school and Running Start classes overlap in January and March due to new college quarters beginning, students are expected to attend all high school courses. High school courses take precedence over Running Start courses at the college during this overlap.
Running Start is not designed as a place for students to make up credit deficiencies. Northshore School District pays the tuition, while students pay for books and fees. Students must provide their own transportation to the college. If a student drops a class, it is his/her responsibility to immediately notify the high school registrar and counselor of the dropped class. Students must officially drop the class through the college. At the college, students will be enrolled in regular classes with adult students where attendance is not taken and students are responsible for their own actions and participation. Running Start students are responsible for monitoring their own progress towards graduation and keeping informed of school activities and deadlines.

<table>
<thead>
<tr>
<th>High School Classes</th>
<th>RS College Level Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>None or 1 class</td>
<td>15 credits</td>
</tr>
<tr>
<td>2 classes</td>
<td>12 credits</td>
</tr>
<tr>
<td>3 classes</td>
<td>10 credits</td>
</tr>
<tr>
<td>4 classes</td>
<td>6 credits</td>
</tr>
<tr>
<td>5 or more classes</td>
<td>3 credits</td>
</tr>
</tbody>
</table>
**INTERNATIONAL BACCALAUREATE PROGRAM**

The IB Program is a rigorous, internationally recognized course of study for academically talented and highly motivated high school students. The program is housed at Inglemoor High School, but is open to all interested students. IB is designed to provide students with a foundation of in-depth learning in six subject areas. During the final two years of high school, students are uniquely challenged to meet high standards in every class. Expectations include self-directed and disciplined study, research, critical analysis of information, and effective oral and written communication.

Students planning to enroll in three or more Pre-IB Courses must complete an IB Statement of Interest. The form is available at each middle school, the IB Office at Inglemoor High School and the Inglemoor website: [http://www.nsd.org/ib](http://www.nsd.org/ib). An IB student should demonstrate past success in 9th grade classes. Therefore, a minimum GPA of 3.2 is highly recommended for interested students. We recognize that many capable students may have grades that do not reflect ability. These students may be asked to meet with the IB Coordinator to discuss strategies for future academic improvement and success. Paperwork is available in January of the 8th grade year. Interested students should turn in statements to the IB office by March.

**What is a Full IB Diploma Student?**
A Full Diploma Student is a student who:
- Studies six IB courses at the higher and standard level
- Writes a 4,000 word extended essay
- Completes the Theory of Knowledge (TOK) course
- Completes 150 hours of extracurricular creativity, action and service (CAS) projects

**Is a student required to do the full IB Diploma?**
No. We encourage all interested students, however, to consider the full IB Diploma because it is a challenging yet balanced program of education that prepares students for success at university and life beyond. However, this is not a requirement and students may enroll in one or more IB courses.

**How much does it cost?**
The full diploma fee is between $800 - $900. Federal Funding is available to qualifying students to help defray exam costs.

**Can my child still get into the IB Program without having taken all the suggested Pre-IB coursework?**
We make every effort to accommodate all interested students. Some students may be required to take additional courses during the summer in order to prepare for the IB Program.

**Is there time for an IB student to participate in school sports, activities, or a job?**
Many IB students successfully complete the IB Program as well as participate in sports and activities. An IB student will find it necessary to study at least two to three hours daily for class preparation. Time management skills are critical.

**Are IB students required to take the IB examinations?**
Diploma students must take the examinations. While we cannot require assessment fees for non-diploma students, we strongly encourage every IB student to participate in this aspect of the program. Testing supports our teachers, our school and honors the hard work of the greater Northshore community.

**Does a Diploma of the International Baccalaureate satisfy Washington State Graduation requirements?**
Yes! In April 2011, Washington State joined four other states in recognizing the IB diploma. The IB diploma now automatically satisfies most, if not all, graduation requirements.

**What does that mean for Inglemoor IB Diploma students?**
In order to fulfill the state graduation requirements IB Diploma students will have to:
- Pass the state required high school assessments and earn the Certificate of Academic Achievement (CAA)
- Complete the High School and Beyond Plan starting in grade 8 that continues through grade 12
- Study the US and WA State Constitution
- Pass all IB Diploma Classes
- Complete all IB Diploma internal assessments
- Sit for all required IB Examinations
- Complete the Extended Essay
- Satisfy Theory of Knowledge requirements
- Satisfy all CAS requirements

The most significant change is that now a student will need to complete all IB Diploma requirements in order to receive a State of Washington diploma. If a student fails to complete all IB requirements, they may not graduate. For this reason we
strongly encourage students to fulfill all traditional graduation requirements when possible.

International Baccalaureate Program
The IB Program is a rigorous, internationally recognized course of study for college bound high school students seeking an international education. IB is designed to provide students with a foundation of in-depth learning in six subject areas. During the first years of high school, students are uniquely challenged to meet high standards in every class. Expectations include self-directed and disciplined study, research, critical analysis of information, and effective oral and written communication.

## 4-Year International Baccalaureate Program of Study

Changes to course offerings may be made based on enrollment and other factors. Information about each course can be found under the specific department’s course listings.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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<tr>
<td></td>
<td>Grade 11</td>
<td>Grade 12</td>
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<tr>
<td></td>
<td>Minimum of 3 and a maximum of 4 HL subjects.</td>
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<td>Minimum of 3 and a maximum of 4 HL subjects.</td>
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<tr>
<td><strong>English</strong></td>
<td>NSD Pre IB English 9</td>
<td>NSD Pre IB English 10</td>
<td>IB Language and Literature 11 (HL)</td>
<td>IB Language and Literature 12 (HL)</td>
</tr>
<tr>
<td><strong>World Language</strong></td>
<td>Sequence A: First Year</td>
<td>Sequence A: Second Year</td>
<td>Sequence A: Third Year ab initio (SL)</td>
<td>Sequence A: Third Year</td>
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<tr>
<td></td>
<td>Sequence B: First Year</td>
<td>Sequence B: Second Year</td>
<td>Sequence B: Third Year (SL)</td>
<td>Sequence B: Fourth year (SL)</td>
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<tr>
<td></td>
<td>Sequence C: Second year</td>
<td>Sequence C: Third year</td>
<td>Sequence C: Fourth year (SL)</td>
<td>Sequence C: Fifth year (HL)</td>
</tr>
<tr>
<td><strong>History</strong></td>
<td>NSD Pre IB World History 1</td>
<td>NSD Pre IB World History 2</td>
<td>IB History of the Americas 11 (HL)</td>
<td>IB History of the Americas 12 (HL)</td>
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<tr>
<td><strong>Science</strong></td>
<td>Biology</td>
<td>Chemistry</td>
<td>IB Biology I (HL)</td>
<td>IB Biology II (HL)</td>
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<td><strong>NOTE:</strong> IB Biology requires Chemistry</td>
<td>IB Physics I (HL)</td>
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<td><strong>NOTE:</strong> The 1-year science courses listed</td>
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<td>below can count as the IB Science if</td>
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<td>Diploma Students take three other HL classes.</td>
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<td></td>
<td>IB Chemistry (SL)</td>
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<td>IB Computer Science (SL)</td>
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<td></td>
<td>IB Design Technology (SL)</td>
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<tr>
<td><strong>Math</strong></td>
<td>Sequence A: Algebra I</td>
<td>Sequence A: Geometry</td>
<td>Sequence A: Algebra II</td>
<td>Sequence A: IB Math Applications (SL)</td>
</tr>
<tr>
<td></td>
<td>Sequence B: Geometry</td>
<td>Sequence B: Algebra II or Algebra II</td>
<td>Sequence B: IB Math Applications (SL)</td>
<td>Sequence B: IB Math Analysis 2 (SL)</td>
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<td></td>
<td>Sequence C: Algebra II Trigonometry</td>
<td>Sequence C: IB Math Analysis 1 (HL)</td>
<td>Sequence C: IB Math Analysis 2 (HL)</td>
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</tr>
<tr>
<td><strong>Elective/IB 6th Subject</strong></td>
<td>Music, Art, Health Fitness, Keyboarding</td>
<td>Health, Music, Art, Health Fitness, Business</td>
<td><strong>NOTE:</strong> The 6th subject can be taken either</td>
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<td>(or other Occ. Ed. credit)</td>
<td>Technology (or other Occ. Ed. credit)</td>
<td>junior year or senior year.</td>
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<td>IB Business &amp; Management (SL)</td>
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<td>IB Chemistry (SL)</td>
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<td>IB Computer Science/JAVA (SL) (HL)</td>
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<td>IB Design Technology (SL) (HL)</td>
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<td>IB Economics (SL)</td>
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<td>IB Film (SL)</td>
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<td>IB Global Politics (SL)</td>
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<td>IB Psychology (SL)</td>
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<td>IB Sports, Exercise and Health Science (SL)</td>
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<td></td>
<td>IB Visual Arts (SL) (HL)</td>
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<tr>
<td><strong>IB Core</strong></td>
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<td></td>
<td>Theory of Knowledge (TOK)</td>
<td>Theory of Knowledge (TOK)</td>
</tr>
</tbody>
</table>
USING THIS CATALOG

- This catalog is organized by category.
- Please note that course availability is dependent upon adequate registrations and available staffing.
- A glossary of terms and diploma category descriptions are provided below.

GLOSSARY OF KEY TERMS/ABBREVIATIONS

ACT: One of the two commonly used tests designed to assess high school students' general educational development and their ability to complete college-level work.

AP: Advanced Placement Program provides college-level courses available to high school students which may allow a student to earn college credit provided through the College Board

ASB: Associated Student Body

ASL: American Sign Language

ASVAB: The ASVAB Career Exploration Program is a career planning and exploration program that combines a multiple-aptitude test with an interest self-assessment and a wide range of career exploration tools designed to help students explore the world of work and gain confidence in making career decisions.

CAD LAB: Computer Aided Design

C&CR: Career & College Readiness

CHS: College in the High School Program

Computer Science w/C#.net: Programming language for computer science

CPR: Cardiopulmonary resuscitation

DECA: Delta Epsilon Chi and Distributive Education Clubs of American prepares student leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe.

ELL: English Language Learners

ETSP: Environmental Technology & Sustainable Practices – a program offered through Cascadia Community College that provides a degree that prepares you for many industry positions.

HL: A curriculum course offered through the International Baccalaureate Program that offers a higher level (HL) option.

IB: International Baccalaureate Program

IEP: Individualized Education Program, an IEP is the legal document that defines a child's special education program.

IHS: Inglemoor High School

JAVA: Software development program for computer systems fundamentals

NCAA: National Collegiate Athletic Association. The association organizes the athletic programs of numerous colleges and universities

RS: Running Start is a program that allows juniors and seniors to attend college courses numbered 100 or above, while completing high school.

SAT: One of the two commonly used tests designed to assess high school students' general educational development and
their ability to complete college-level work.

**SATELLITE COURSE**: A course offered at one Northshore School District high school, but open to all NSD high school students.

**SL**: A curriculum course offered through the International Baccalaureate Program that offers a standard level (SL) option.

**PNW**: A tech-prep program type of study is career and technical credit-based transition program. Students enrolled in a Tech-Prep program of study earn college credits.

**WaNIC**: Washington Network for Innovative Careers provide advanced-level Career and Technical Education programs based on rigorous academic and industry standards, preparing students for post-secondary education and successful entry into high-skill, high-demand careers and employment.

**DIPLOMA CATEGORIES**

- English 9
- English 10
- English 11
- English 12
- Algebra 1
- Algebra II/Alt 3rd Math
- Geometry
- 3rd Credit of Math
- Biology
- Lab Science
- Physical Science
- 3rd Credit of Science
- Contemporary World Problems
- Civics
- Social Studies
- US History 11
- World History
- Health
- Life Fitness
- PE 9-12
- The Arts
- Career & Technical ED
- Flexible Credits

*Note*: Each college and university makes its own decisions with regards to awarding credit and placement for College In The High School, Advanced Placement, and International Baccalaureate courses. Most institutions have a written policy that state minimum score requirements for college credit as well as how credits are applied. It is highly recommended...
that you check with the specific institution of your choice to learn more about how college credit can be earned and applied.

**ENGLISH**

**ENGLISH 9**

ENG100  
*Length/Credit: Full Year/1 Credit*  
*Grade: 9*  
*Diploma Category: English 9*

This course builds upon previous learning of the skills outlined in the Common Core State English/Language Arts Standards in middle school, and establishes the skills necessary for a successful progression of learning to the next grade level of E/LA course work. Students will learn to sustain intellectual curiosity by interpreting a variety of texts including but not limited to: non-fiction, novels, plays, poetry, and short fiction. They will engage in the process of writing, including paragraph structure, narrative and persuasive essay development, literary analysis, and rhetorical analysis. Students will work and practice skills of collaboration to broaden their understanding of language and their skills in communicating effectively.

**NSD PRE IB ENGLISH 9**

ENG165  
*Length/Credit: Full Year/1 Credit*  
*Grade: 9*  
*Diploma Category: English 9*

This course builds upon previous learning of the Common Core State English/Language Arts (E/LA) Standards in middle school, and establishes the skills necessary for a successful progression of learning for advanced high school E/LA course work. Students will read a variety of texts including but not limited to: nonfiction, novels, plays, poetry, and short fiction. Students will write analysis and a complete argumentative essay and narrative piece. Oral analysis skills are also introduced and practiced.

**ENGLISH 10**

ENG200  
*Length/Credit: Full Year/1 Credit*  
*Grade: 10*  
*Diploma Category: English 10*

Students will learn to sustain intellectual curiosity by interpreting a variety of texts including but not limited to: non-fiction, novels, plays, poetry, and short fiction. They will actively engage in the process of writing, including paragraph structure, essay development, literary analysis, and rhetorical analysis. Students will work collaboratively to broaden their understanding of language and their ability to communicate effectively.

**NSD PRE IB ENGLISH 10**

ENG235  
*Length/Credit: Full Year/1 Credit*  
*Grade: 10*  
*Diploma Category: English 10*

This advanced class prepares sophomores for rigorous International Baccalaureate and Advanced Placement programs. Students will read a variety of texts including but not limited to: nonfiction, novels, plays, poetry, and short fiction. Students will write in different genres including a complete literary analysis. Oral analysis skills are practiced and honed.

**ENGLISH 11**
ENG300
Length/Credit: Full Year/1 Credit
Grade: 11
Diploma Category: English 11

Students will further develop the core reading, writing and communication skills learned in previous years, including an emphasis on reading comprehension and critical thinking skills. The literature will include but not be limited to: novels, plays, poetry, short fiction, and nonfiction from the American tradition. There will be a variety of writing assignments, including but not limited to: literary analysis, research, persuasive, expository, personal narrative, compare and contrast, and creative writing.

AP ENGLISH LANGUAGE
ENG475
Length/Credit: Full Year/1 Credit
Grades: 11
Fee: Optional AP testing fee – details can be obtained from instructor
Diploma Category: English 9-12

Advanced Placement Language and Composition is a yearlong college level course that culminates in the AP Language and Composition examination. Students will cultivate critical thinking by reading a wide variety of fiction and nonfiction texts, and will learn the basic elements of rhetoric. The focus of study will be the literal what of the text, the techniques of style underlying the how, and the timeless, universal connections of why. AP English Language and AP English Literature form a two year program of study and should be taken in the sequence listed by individual schools.

IB ENGLISH LANGUAGE AND LITERATURE 11 HL
IBE305
Length/Credit: Full Year/1 Credit
Grade: 11
Diploma Category: English 11

11 IB Language and Literature year one is designed to support future academic study or career related paths by developing social, aesthetic and cultural literacy, as well as improving language competence and communication skills. The course includes the study of both literary and non-literary texts, focusing on the relationships between texts, readers and writers; on the range and functions of texts across geographical space and time; and on aspects of intertextuality. The study of literary, non-literary and visual texts provides a focus for understanding how meaning is constructed within belief or value systems, and how it is negotiated across multiple perspectives. Thinking critically about texts, as well as responding to, producing or performing them, leads to an understanding of how language sustains or challenges ways of thinking and being. The course also builds an awareness that all texts may be understood in relation to their form, content, purpose, audience, and their associated contexts, such as social, historical, and cultural circumstances. Students will undertake an IB oral assessment during this course. Students who continue on to the second year of the course in grade 12 may take the IB exam for potential college credit.

ENGLISH 12
ENG400
Length/Credit: Full Year/1 Credit
Grade: 12
Diploma Category: English 9-12

The course is designed to prepare students for the rigor of college study and develop language arts skills including: close reading, research, analytical and narrative writing and communication. Students will read a variety of challenging texts, analyzing authorial choices and literary devices in order to understand the craft of writing.

AP ENGLISH LITERATURE
ENG480
Length/Credit: Full Year/1 Credit
Grades: 12
Fee: Optional AP testing fee – details can be obtained from instructor
Diploma Category: English 9-12
Advanced Placement Literature and Composition is a yearlong college level course that culminates in the AP Literature and Composition examination. Students will learn to produce complex academic arguments by reading a wide variety of text drawn from multiple genres, periods, and cultures. AP English Language and Composition and AP English Literature and Composition form a two year program of study and should be taken in the sequence listed by individual schools.

IB ENGLISH LANGUAGE AND LITERATURE 12 HL
IBE405
Length/Credit: Full Year/ 1 Credit
Grade: 12
Diploma Category: English 12

12 IB Language and Literature year two is designed to support future academic study or career related paths by developing social, aesthetic and cultural literacy, as well as improving language competence and communication skills. The course includes the study of both literary and non-literary texts, focusing on the relationships between texts, readers and writers; on the range and functions of texts across geographical space and time; and on aspects of intertextuality. The study of literary, non-literary and visual texts provides a focus for understanding how meaning is constructed within belief or value systems, and how it is negotiated across multiple perspectives. Thinking critically about texts, as well as responding to, producing or performing them, leads to an understanding of how language sustains or challenges ways of thinking and being. The course also builds an awareness that all texts may be understood in relation to their form, content, purpose, audience, and their associated contexts, such as social, historical, and cultural circumstances. Students will undertake several written IB assessments during this course, and prepare for the two IB exams in May. Students must have taken IB English 11 Language & Literature HL in order to take the IB exam in May of grade 12, however any students who want to challenge themselves may take this course.
MATHEMATICS

Three Math Credits Required for High School Graduation

<table>
<thead>
<tr>
<th>MATHEMATICS COURSE OPTIONS</th>
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<tbody>
<tr>
<td>Algebra I</td>
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<td>Geometry</td>
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<tr>
<td>Algebra II</td>
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<tr>
<td>Algebra II Trigonometry</td>
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<tr>
<td>(Math &amp; 141) Pre-Calculus 1</td>
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<tr>
<td>AP Statistics</td>
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<tr>
<td>IB Math: Applications &amp; Interpretation SL</td>
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<tr>
<td>IB Mathematics: Analysis &amp; Approaches SL 1</td>
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<td>IB Mathematics: Analysis &amp; Approaches HL 1</td>
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<td>IB Mathematics: Analysis &amp; Approaches SL 2</td>
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<td>IB Mathematics: Analysis &amp; Approaches HL 2</td>
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<td>Finance</td>
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</tbody>
</table>

ALGEBRA I
MAL100
Length/Credit: Full Year/1 Credit
Grades: 9, 10
Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.
Diploma Category: Algebra 1, Math 1

This course expands on the students understanding of using arithmetic operations and properties to include the symbolic language of algebra. Students will formalize their understanding of functions with a focus on linear functions and quadratic
functions. Students will also explore absolute value functions, piecewise-defined functions, and exponential functions. Other topics that will be studied are writing equations to model linear equations, solving systems of linear equations and inequalities, solving quadratic equations with real roots, exponent laws and properties, arithmetic and geometric sequences, and data analysis. Students will continue to develop problem solving, reasoning and proof, communication, and mathematical modeling skills aligned to the Standards for Mathematical Practice.

**GEOMETRY**

MGE100

Length/Credit: Full Year/1Credit

Grades: 9, 10, 11

Prerequisite: Completion of Algebra 1

Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.

Diploma Category: Geometry, Math 2

Students will formalize their reasoning skills to write proofs built on definitions, axioms, and theorems. Students will study parallel and perpendicular lines, triangle properties, quadrilateral properties, and properties of other polygons and circles. Other topics that will be studied are similar and congruent figures, right triangle trigonometry, coordinate geometry, geometric transformations, area, surface area and volume of three-dimensional figures.

**ALGEBRA II**

MAL140

Length/Credit: Full Year/1Credit

Grades: 9, 10, 11, 12

Prerequisite: Completion of Geometry

Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.

Diploma Category: Algebra 11, 3rd Credit of Math, Math 2, Algebra 1, Math 1

Students will expand their understanding of number systems to include complex numbers and will grow more proficient in their use of algebraic techniques. This course focuses on the study of functions: linear, quadratic, exponential, logarithmic, square root, cubic, and those involving inverse variation. Other topics that will be studied are combinations and permutations, probability, binomial theorem, measures of variability, and geometric and arithmetic sequences and series. This course meets the third year math requirement for high school graduation and college admission requirements.

**ALGEBRA II-TRIGONOMETRY**

MAL180

Length/Credit: Full Year/1Credit

Grades: 9, 10, 11, 12

Prerequisite: Completion of Geometry

Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.

Diploma Category: Algebra 11, 3rd Credit of Math, Math 2, Algebra 1, Math 1

Students will expand their understanding of number systems to include complex numbers and will grow more proficient in their use of algebraic techniques. This course focuses on the study of functions: linear, quadratic, exponential, logarithmic, square root, cubic, and those involving inverse variation. Students will study periodic and trigonometric functions. Other topics that will be studied are combinations and permutations, probability, binomial theorem, measures of variability, and geometric and arithmetic sequences and series. This course meets the third year math requirement for high school graduation and college admission requirements.

**(MATH & 141) PRE-CALCULUS 1**

CHS111

Length/Credit: Full Year/1Credit

Grades: 10, 11, 12

Prerequisite: Completion of Algebra II, Algebra II-Trigonometry

Diploma Category: Algebra 11, 3rd Credit of Math, Algebra 1, Geometry

Other info: College credits may be earned under the conditions of the College in the High School Program. See your counselor for information specific to your school.

This course covers the Pre-Calculus content with greater breadth and depth at a college level of rigor. Students will continue to build and expand upon their understanding of functions and equations to include quadratic, exponential, logarithmic, polynomial, rational, radical, power, and trigonometric functions.
IB MATH: Applications and Interpretation SL  
IBM180  
Length/Credit: Full Year/1 Credit  
Grades: 11, 12  
Prerequisite: Completion of Algebra II or Algebra II-Trigonometry  
Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.  
Diploma Category: Algebra 11, 3rd Credit of Math, Math 2, Algebra 1, Geometry  
Other Info: Students may take the IB Math: Applications and Interpretation SL exam in the spring. 

This course is designed to provide a comprehensive background of mathematical thought. It will emphasize mathematical modeling with extensive use of the graphing calculator. It is intended for motivated and capable math students. The course will cover: Number and Algebra Functions, Geometry, Trigonometry, Statistics, Probability and introduce Calculus.

IB MATHEMATICS: Analysis and Approaches SL 1  
IBM170  
Length/Credit: Full Year/1 Credit  
Grades: 9, 10, 11, 12  
Prerequisite: Completion of Algebra II-Trigonometry (Grade of ‘B’ or better recommended)  
Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.  
Diploma Category: Algebra 11, 3rd Credit of Math, Algebra 1, Math 1, Geometry  
Other Info: This is the 1st year of IB Mathematics SL. Completion of this course and IB Mathematics SL 2 will prepare students to take the IB Mathematics SL exam. 

This course is designed to provide a comprehensive background of mathematical thought. It is intended for highly-motivated and capable math students. The course will cover the first three topics of the IB Math SL curriculum in great detail: Algebra, Functions and Equations, and Circular Functions/Trigonometry. Other possible topics include Vectors.

IB MATHEMATICS: Analysis and Approaches HL 1  
IBM165  
Length/Credit: Full Year/1 Credit  
Grades: 10, 11, 12  
Prerequisite: Completion of Algebra II-Trigonometry (Grade of ‘A’ recommended)  
Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.  
Diploma Category: Algebra 11, 3rd Credit of Math, Algebra 1, Geometry  
Other Info: This is the 1st year of IB Math Higher Level. Completion of this course and IB Mathematics HL 2 will prepare students to take the IB Mathematics HL exam. 

This course is designed to provide an intensive and comprehensive background of mathematical thought. It is intended for very highly motivated and capable math students. The course will cover the first four topics of the IB Math HL curriculum in great detail: Algebra with a focus on the complex plane, Functions and Equations, Circular Functions/Trigonometry, and 2-D and 3-D vector spaces.

IB MATHEMATICS: Analysis and Approaches SL 2  
IBM171  
Length/Credit: Full Year/1 Credit  
Grades: 11, 12  
Prerequisite: Completion of IB Mathematics SL 1 (Grade of ‘B’ or better recommended)  
Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.  
Diploma Category: Algebra 11, 3rd Credit of Math, Algebra 1, Math 1, Geometry  
Other Info: This is the 2nd year of IB Mathematics SL. This course will prepare students to take the IB Mathematics SL exam.
This course is designed to provide a comprehensive background of mathematical thought. It is intended for highly motivated and capable math students. The course will cover the last three topics of the IB Math SL curriculum in detail: Statistics/Probability, Vectors, and Introductory Differential and Integral Calculus. Students will be required to complete an Internal Assessment paper as part of the IB curriculum.

**IB MATHEMATICS: Analysis and Approaches HL 2**

*IBM166*

Length/Credit: Full Year/1 Credit

Grades: 11, 12

Prerequisite: Completion of IB Mathematics HL 1 (Grade of ‘B’ or better recommended)

Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.

Diploma Category: Algebra 11, Algebra 1, Geometry

Other Info: This is the 2nd year of IB Math HL. This course will prepare students to take the IB Mathematics HL exam.

This course is designed to provide an intensive and comprehensive background of mathematical thought. It is intended for very highly motivated and capable math students. This course will cover two topics of the IB Math HL curriculum as well as an optional topic of the instructor’s choosing: Statistics/Probability and Differential and Integral Calculus. Other topics may include Transcendental Functions and Infinite Series, such as the Taylor/Maclaurin Series, Discrete Mathematics, Linear Algebra, or Statistics. Students will be required to complete an Internal Assessment paper as part of the IB curriculum.

**AP STATISTICS**

*MCA130*

Length/Credit: Full Year/1 Credit

Grades: 11, 12

Prerequisite: Completion of Algebra II or Algebra II-Trigonometry (‘B’ or better recommended)

Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.

Diploma Category: Algebra 11, 3rd Credit of Math, Algebra 1, Geometry

Fee: Optional AP testing fee – details can be obtained from instructor

This course is designed to offer a continued study of quantitative thinking in the areas of statistics and probability for the serious math student. Throughout this course students will be introduced to the major concepts and tools for collecting and analyzing data as it relates to four conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. This course reflects the content of a typical introductory college level statistics course. This course may be taken concurrently with another mathematics course offering.
**SCIENCE**

**ASTRONOMY**
SCA100  
**Length/Credit:** Full Year/1 Credit  
**Grades:** 11, 12  
**Diploma Category:** Physical Science, Lab Science, 3rd Credit of Science  
**Other info:** Some colleges/universities will not accept this course for admission purposes.

Ever wonder about the nighttime sky? The stars? The planets? The universe? If yes, this is the class for you! In this course, you will learn about the constellations, our solar system, stars, the interstellar medium, galaxies, and the universe. We’ll also explore the history of astronomy and how astronomers learn so much about the objects in our sky that are so far away. Astronomy is interdisciplinary – we will learn some physics and chemistry in order to understand how our universe has changed over time. We will visit the IHS planetarium, do hands-on labs, create our own constellations, launch water-bottle rockets and look at the heavens through a telescope when weather permits. You will need to bring some basic math skills like algebra, geometry and the ability to understand scientific notation, but you’ll leave with a sense of our place in the universe.

**BIOLOGY**
SCB100  
**Length/Credit:** Full Year/1 Credit  
**Grades:** 9  
**Diploma Category:** Biology, Lab Science, 3rd Credit of Science

Biology is the study of the living world and our relationship to it. This course is aligned to the NGSS (WSSLS) high school performance expectations for life science and also integrates sustainability principles. As a result, the major disciplinary themes are: metabolism, behavior, genetics, evolution, ecology and sustainability. Students will engage in both science and engineering practices as they explore the themes and relate them to the cross-cutting concepts of science.

**CHEMISTRY**
SCC100  
**Length/Credit:** Full Year/1 Credit  
**Grades:** 9, 10, 11, 12
Prerequisite: 1) Completed or concurrently enrolled in Algebra II. 2) All students planning to take IB Biology need to have taken Chemistry. 3) All students planning to take IB Physics need to have taken a Chemistry course.

Diploma Category: Physical Science, Lab Science, 3rd Credit of Science

Chemistry is the study of matter and the chemical reactions between substances. This course is aligned to the NGSS (WSSLS) high school performance expectations for physical science and also integrates climate change and mineral resource issues. The major content of the course will center on the nature of matter and the changes it undergoes at the atomic level. Students will engage in both science and engineering practices as they learn about the content and relate them to the cross-cutting concepts of science.

**AP ENVIRONMENTAL SCIENCE**

**SCE200**

Length/Credit: Full Year/1 Credit

Grades: 9, 10, 11, 12

Fee: Optional AP testing fee – details can be obtained from instructor

Diploma Category: Biology, Lab Science, 3rd Credit of Science

AP Environmental Science is open to all students. The class will provide students with an understanding of the scientific principles that govern interrelationships in the natural world. Important environmental issues will be explored and the comparative risks of known and potential problems will be evaluated. Specific focus on finding solutions to current and future challenges will be highlighted. This course meets college entrance requirements for an algebra-based science.

**MARINE BIOLOGY**

**SCM100**

Length/Credit: 1 Semester

Grades: 10, 11, 12

Diploma Category: Biology, Lab Science, 3rd Credit of Science

This course explores marine biodiversity and how organisms have adapted to the physical and chemical processes of the oceans and each other. Current environmental and political issues that affect the health of the world’s oceans and Puget Sound are also examined.

Units include the composition of seawater, tides, currents and the types of marine habitats, oceanography and human impacts. The course content also includes the classification, natural history, identification and special adaptations of marine organisms. Students will practice observation skills, listening and reading comprehension, dissection, chart interpretation, data analysis, classification and identification of specimens. Good attendance is required for lecture notes and laboratory work. Homework will include reading and summarizing articles, solving problems, completing class work and online research. Students will learn to identify local species.

**OCEANOGRAPHY**

**SCO100**

Length/Credit: 1 Semester

Grades: 10, 11, 12

Diploma Category: Lab Science, 3rd Credit of Science

Oceanography is the study of the physical and chemical environments of the ocean. You will study water and it’s properties, the oceans and their interactions with both the land and the air and the impact we have on the oceans. Through many hands-on activities, readings and labs you will explore this important part of our world.

**PHYSICS**

**SCP100**

Length/Credit: Full Year/1 Credit

Grades: 9, 10, 11, 12

Prerequisite: Algebra 1 completed and Geometry completed or currently taking.

Diploma Category: Physical Science, Lab Science, 3rd Credit of Science

This course is aligned to the NGSS (WSSLS) high school performance expectations for physical science and also integrates astronomy. The major content of the course will center on exploring motion, forces, energy and waves. Students will engage in both science and engineering practices as they learn about the content and relate them to the cross-cutting concepts of science.
IB CHEMISTRY SL
IBS125
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Requirement: 1) Concurrent enrollment in Algebra II, IB Analysis & Approaches SL or HL or IB Math: Applications & Interpretation SL, 2) Completion of Chemistry.
Diploma Category: Physical Science, Lab Science, 3rd Credit of Science

This one-year intensive chemistry course will cover topics including atomic theory, stoichiometry, periodicity, bonding, energetics and kinetics, equilibrium, acids and bases, oxidation-reduction and organic chemistry. Be prepared for a rigorous and exciting experience, learning about matter and the interactions of matter that add significant understanding to our universe. As participants in this laboratory-based program, students will assume the role of working scientists and keep an organized lab portfolio. Grade requirements: Tests (objective, essay, lab), written assignments, and lab work as reflected in the development of a student portfolio and logbook.

IB BIOLOGY I HL
IBS160
Length/Credit: Full Year/1 Credit
Grades: 11
Prerequisites: Completion of Chemistry. As space permits, seniors with exceptional science backgrounds may enroll in IB Biology I after obtaining instructor and IB Coordinator permission.
Grade Requirements: Tests (objective, essay, lab), written assignments, and laboratory work as reflected in the development of a student portfolio
Diploma Category: Lab Science, 3rd Credit of Science, Biology, CTE

IB BIOLOGY II HL
IBS161
Length/Credit: Full Year/1 Credit
Grades: 12
Prerequisites: Successful completion of first-year IB Biology I. As space permits, seniors with exceptional science backgrounds may enroll in IB Biology II after obtaining instructor and IB Coordinator permission.
Grade Requirements: Tests (objective, essay, lab), written assignments, and laboratory work as reflected in the continuation of a student portfolio initiated in IB Bio I
Diploma Category: Biology, Lab Science, 3rd Credit of Science, CTE

The second year of a two-year course. We examine biological diversity (genetics, evolution, human physiology, and our "option": neurobiology and behavior) as well as PCR and gel electrophoresis. Time will also be spent in preparation for the IB Biology examination in May. In addition, this course provides students with the opportunity to explore career options in the biotechnology field & offers technology experiences applicable to the fields of medicine, biomedical research, and clinical testing.

IB PHYSICS I HL
IBS110
Length/Credit: Full Year/1 Credit
Grades: 11
Prerequisite: Concurrent enrollment in or completion of IB Pre-Calculus or IB Math: Applications & Interpretation SL
Diploma Category: Lab Science, 3rd Credit of Science, Physical Science

The first year of an extensive two-year introductory physics course. No prior physics knowledge is necessary, but students should have sound math and science skills. Topics to be covered include the study of motion, gravitation, waves, electricity, energy, magnetism, and special relativity. Be prepared for a rigorous and exciting experience in learning about physical laws
and phenomena which will significantly change your view of the universe around you. As a participant of a laboratory-based
program, the student will assume the role of a young working scientist and keep an organized lab portfolio.

**IB PHYSICS II HL**
IBS130
Length/Credit: Full Year/1 Credit
Grades: 12
Recommended: Successful completion of first-year IB Physics for IB students
Diploma Category: Physical Science, Lab Science, 3rd Credit of Science

The second year of a two-year program. Continuing introductory topics such as electromagnetism, thermodynamics and
kinetic theory, atomic and nuclear physics, and the basics of quantum theory and general relativity. Time will be spent in
preparation for the IB Physics exam in May, or on independent research projects for non-IB students.

**IB DESIGN TECHNOLOGY SL**
IBS310
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Prerequisite: Application and acceptance
Diploma Category: CTE, 3rd Credit of Science

This project-based course provides students with an exploration of the process and tools used in industrial
(products) design including an in-depth look at human factors and ergonomics, CAD/CAM, material science, and sustainable
design. Individual portfolios will be developed based on class projects.

**IB DESIGN TECHNOLOGY HL**
IBS320
Length/Credit: Full Year/1 Credit
Grade: 12
Prerequisite: Completion of IB Design Technology SL
Diploma Category: CTE, 3rd Credit of Science
Other Info: The opportunity for receiving university credit (UW Engineering 100 – 5 credits) may be obtained through the
end of course IB assessment. See the instructor for further details.

Building upon the experiences and content of IB Design Technology SL, this problem-based course takes an in-depth look at
human-centered design, sustainable development, and commercial manufacturing. Through a series of college-level
projects (product design, building design/urban planning, and graphic design), individual portfolios will be developed for
college applications. College credit available through both the University of Washington and Cascadia College.

**IB SPORTS, EXERCISE & HEALTH SCIENCE SL**
IBS118
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Diploma Category: Elective, 3rd Credit of Science

This course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition,
which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and
carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to
acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance.
Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and
health relative to the individual and in a global context. This course can satisfy either the Group Four (science) or the Sixth
Subject requirement for the IB Diploma.
SOCIAL STUDIES

AP HUMAN GEOGRAPHY
SSG440
Length/Credit: Full Year/1 Credit
Grade: 9
Fees: Optional AP Testing fee in the spring
Diploma Category: Elective

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. In addition, this course will focus on reading, writing, and study skills to help prepare students to be successful in high school and beyond. AP Human Geography addresses the Common Core State Standards for History, prepares students for the Smarter Balanced State Assessments, and establishes the skills necessary for a successful progression of learning to the next grade level of Social Studies course work.

AP WORLD HISTORY
SSW205
Length/Credit: Full Year/1 Credit
Grade: 9, 10
Recommended: AP Human Geography or Pre-IB World History I
Fees: Optional AP Testing fee in the spring
Diploma Category: World History, Social Studies 9
This is a college level yearlong course designed to develop greater understanding of global history; the study of human interactions and their consequences throughout history. This class begins its study in ancient history and ends with an investigation of present day global relations. Students who successfully complete the course will be prepared to pass the AP World History exam, which will enable them to earn college credit.

NSD PRE-IB WORLD HISTORY I
SSW260
Length/Credit: Full Year/1 Credit
Grade: 9, 10
Diploma Category: World History, Social Studies 9

The focus is on skills and knowledge to provide a basis for continuing on in any history class. The first semester is focused on the transition from the medieval to the modern world in Asia, Europe, and the Middle East, and development of the Reformation and the Enlightenment in Europe. The second semester is focused on the Industrial Revolution in Europe, Asia and the Middle East as well as revolutions and the introduction of colonialism. The skills focused on are beginning to develop the student’s ability to comprehend, analyze and evaluate source material critically as historical evidence; to begin to develop the student’s historical understanding through acquisition and effective use of historical evidence; to begin to develop the student’s ability to create an argument that is clear, coherent and relevant as well as well-substantiated. Class activities will include primary document analysis, reading, writing, simulations and hands-on activities as well as introducing annotation skills for research. Note: Students who are incoming 9th graders but expect to pursue IB or AP are encouraged to take this course in their 9th grade year. Students who are incoming 10th graders but did not take this course in 9th grade and do not plan to pursue IB or AP should take this course in order to fill graduation credit requirements.

NSD PRE-IB WORLD HISTORY II
SSW265
Length/Credit: Full Year/1 Credit
Grade: 10
Strongly Recommended: NSD Pre-IB World History I
Diploma Category: World History, Social Studies 9

The focus is on skills and knowledge to provide a basis for continuing on IB or AP History. The first semester is focused on the origins of early modern states with a focus on the European conquest and colonization of Africa, an in-depth look at South Africa, and India. The second semester is focused on the establishment of Japan and Russia as important players on the world stage as well as independence movements in Latin America. The skills focused on are continuing to develop the student’s ability to comprehend, analyze and evaluate source material critically as historical evidence; to continue to develop the student’s historical understanding through acquisition and effective use of historical evidence; to continue to develop the student’s ability to create an argument that is clear, coherent and relevant as well as well-substantiated. Class activities will include primary document analysis, extensive reading, analytical writing, simulations and hands-on activities. Note: Students planning to pursue IB should enroll in this class.

UNITED STATES HISTORY
SSU300
Length/Credit: Full Year/1 Credit
Grade: 11
Diploma Category: US History 11

This graduation requirement focuses on the US Constitution and the relationship of historical events to the political, social and economic ideas that have shaped our country since Industrialization. Students will learn to assess historical materials – their relevance in relation to class discussions, media information, research materials and instructor input.

AP UNITED STATES HISTORY
SSH310
Length/Credit: Full Year/1 Credit
Grade: 11
Fee: Optional AP testing fee – details can be obtained from instructor
Diploma Category: US History 11

The AP program in United States History is designed to provide students with analytical skills and factual knowledge necessary to understand and critique United States history. This program prepares students for intermediate and advanced
college courses by making demands upon them equivalent to those of full – year introductory college courses. This accelerated survey course will cover topics from the Age of Discovery to the present. Students who enroll in the course will be expected to be highly motivated, willing to accept academic challenges and capable of moving at a fast pace. Only highly motivated students are encouraged to enroll. AP US History students are encouraged to take the AP exam in May to earn college credit.

**IB HISTORY OF THE AMERICAS 11 HL**
**IBH300**
Length/Credit: Full Year/1 Credit
Grade: 11
Prerequisite: Pre-IB World History
Diploma Category: US History 11

Grade Requirements: Extensive primary and secondary source readings and document analysis, in class and out of class essay writing, productive class discussion. Students will research, study and analyze the history of the United States and Latin America from the beginning of the 20th century through the 1980's. Units of study include: United States Emergence in Global Affairs, The Great Depression in the Americas, World War II in the Americas, Civil Rights in the Americas and Political Developments in the Americas after World War II, all of which prepare students for the paper 3 IB exam.

**CONTEMPORARY WORLD PROBLEMS**
**SSG445**
Length/Credit: Semester/0.5 Credit
Grades: 12
Diploma Category: Contemporary World Problems, Senior Social Studies Issues

Seniors are required to take Contemporary World Problems, a semester course that covers Global Studies, unless they are enrolling in a course approved as an equivalent. Students will develop their analyzing and problem solving skills as a preparation for becoming informed and productive citizens. This course will emphasize the study of current economic, social/cultural, political and environmental issues around the world. Topics include:

- International organizations, institutions, treaties, and frameworks
- Current issues driving global events
- The role of the US in a larger global context

**CIVICS**
**SSC445**
Length/Credit: Semester / 0.5 Credit
Grades: 12
Diploma Category: Civics / Social Studies

Seniors are required to take a semester of civics. This course focuses on the study of political and economic issues at the local, state, tribal, and national level. Students will examine the Constitution, focusing on the structure of the government as well as the role of the individual within a democratic society.

Topics include:

- Federal, state, tribal, and local government organization and procedures
- Rights and responsibilities of citizens addressed in the Washington State and United States Constitutions
- Current issues addressed at each level of government
- Electoral issues, including elections, ballot measures, initiatives, and referenda
- The study and completion of the civics component of the federally administered naturalization test required of persons seeking to become naturalized United States citizens
- Recognizes the certain basic values and character traits essential to individual liberty, fulfillment, and happiness as identified by the State Legislature.

**AP US GOVERNMENT & POLITICS**
**SSG422**
Length/Credit: Full Year/1 Credit
Grade: 12
Fee: Optional AP testing fee – details can be obtained from instructor
Diploma Category: Contemporary World Problems, Senior Social Studies Issues
This course provides both a study of broad, general concepts of the United States political system, as well as the analysis of specific case studies. Basic concepts include the Constitutional basis of US Government, political ideals and behaviors, the political party system, institutions of the national government, public policy and civil rights/liberties. Emphasis is placed on critical thinking skills, essay writing and interpretation of original documents. This course meets the following graduation requirements for social studies: 1 semester of Civics and 1 semester of Contemporary World Problems. Students who take this course are encouraged to take the AP exam in May for college credit.

**IB HISTORY OF THE AMERICAS 12 HL**

IBH400

Length/Credit: Full Year/1 Credit

Grades: 12

Prerequisite: Successful completion of History of the Americas

Grade Requirements: Extensive in-class and out-of-class writing. 50 percent of term grade will be based upon a research paper.

Diploma Category: Contemporary World Problems, Senior Social Studies Issues

This is the second year of the two-year Higher Level International Baccalaureate Individual and Societies curriculum. This course will focus on the interpretation of primary documents relating to the cold war (paper 1), selected topics in Modern European History (paper 2), and an independent research project relating to either decolonization or dictatorship in the twentieth century (paper 3). This course meets the following graduation requirements for social studies: 1 semester of Civics and 1 semester of Contemporary World Problems.

**IB THEORY OF KNOWLEDGE**

IBH310

Length/Credit: Full Year/1 Credit

Grades: 12

Diploma Category: Elective

This course is required for IB Diploma students and is open to IB certificate students on a space-available basis. Almost all of the courses in the IHS curriculum concern knowledge of one sort or another — knowledge of physics, of languages, of music and art, to name only a few. The IB program requires of its diploma students a reflection on the origin, validity, and value of this knowledge and how one kind of knowledge compares to another. The goals of the Theory of Knowledge course are to help students place their learning in some kind of perspective, to develop a spirit of questioning, and to understand what it means “to know” **This course is required for IB Diploma candidates**

**WORLD LANGUAGES**

World Language is an academic, college preparatory program requiring a considerable amount of home study and a positive attitude to succeed. Northshore School District offers advanced courses in select languages at the International Baccalaureate, Advanced Placement, and College In The High School level. Currently there is not a high school World Language graduation requirement. However, the four-year colleges and universities in Washington State have a two-year minimum entrance requirement of one language sequence and many universities recommend at least three years of language study.

Teacher permission is required if you plan to enroll in a World Language that is your home or native language

**1ST YEAR LANGUAGE**

Length/Credit: Full Year/1 Credit

Grades: 9, 10, 11
Diploma Category: Elective

A beginning course to introduce the basics of the language as well as the culture through simulated real life situations, music, games, storytelling and other activities. The goal for year-end will be that students have gained a working vocabulary and grammar basis to facilitate communication in the language. Skills emphasized will be: listening, oral communication, reading and writing.

**FRENCH 100**
WLF100

**GERMAN 100**
WLG100

**JAPANESE 100**
WLJ100

**MANDARIN CHINESE 100**
WLC100

**SPANISH 100**
WLS100

**AMERICAN SIGN LANGUAGE 100**
WLX100

*Length/Credit: Full Year/1 Credit*
*Grades: 9, 10, 11, 12*
*Diploma Category: CTE (PNW Credit)*
*Other Info: 5 college credits with B or better grade*

This college level course, ASL 100, is the complex and natural existing language used by the Deaf. ASL 100 will introduce students to this visual / gestural language and to the Deaf community. In this class students will learn vocabulary and the grammar of ASL through natural everyday conversation, situations, and activities. Classrooms operate in large and small group settings and often in full immersion. Students must be able to maintain eye contact and be visually focused. Also having the ability to work regularly with recording devices (by uploading and downloading media) for portfolio purposes. College credit is granted to those who earn the grade of “B or above.”

**2ND YEAR LANGUAGE**

*Length/Credit: Full Year/1 Credit*
*Grades: 9, 10, 11, 12*

**Prerequisite:** Successful completion of the 100 level course of the selected language

*Diploma Category: Elective*

In these second year courses students will expand their knowledge and fluency of the language by increasing their vocabulary base and expanding their ability to read and write in the language. The goal for the year-end will be that students have expanded their conversation skills, grammar, reading and writing skills to an intermediate level. Skills emphasized will be, listening, reading and writing as well as oral communication.

**FRENCH 200**
WLF200

**GERMAN 200**
WLG200

**JAPANESE 200**
WLJ200

**MANDARIN CHINESE 200**
WLC200

**SPANISH 200**
WLS200

**AMERICAN SIGN LANGUAGE 200**
WLX200
This course expands on vocabulary, complex grammatical understanding, functional application, Deaf history, culture and community. Second year will focus more on classifiers, use of spatial referencing, role-shifting, signer’s point of view, verb inflections and the Greater Deaf community (agencies serving the Deaf/Hard-of-Hearing). Using dialogues and narratives while continuing their virtual portfolios students will grow in their fluency, prosody, and confidence. College credit is granted to those who earn the grade of “B or above.”

**3RD YEAR LANGUAGE**

Length/Credit: Full Year/1 Credit  
Grades: 9, 10, 11, 12  
Prerequisite: Successful completion of the 200 level course of the selected language  
Diploma Category: Elective

In this third year course students will be engaged in a variety of activities to develop skills in every aspect of the language. Short stories, skits and role-playing, poems, magazine and newspaper articles, audio and video sources are used to encourage learning. The class is conducted in an immersion environment and the students are encouraged to employ the language as much as possible. The goal for year-end will be that students will have developed a basic proficiency in the language.

**IB FRENCH 300**  
IBF300

**IB GERMAN 300**  
IBG300

**IB JAPANESE 300**  
IBJ300

**IB MANDARIN CHINESE 300**  
IBC301

**IB SPANISH 300**  
IBS300

**AMERICAN SIGN LANGUAGE 300**  
WLX300  
Length/Credit: Full Year/1 Credit  
Grades: 11, 12  
Diploma Category: CTE (PNW Credit)  
Other Info: 5 college credits with B or better grade

ASL 300 continues vocabulary and grammatical structure of the language with storytelling, narratives, and dialogues. While continuing an exposure to Deaf history, culture, and community, students will also explore Deaf folklore, current events and Deaf-related topics, Deaf-Blind community, mock interpreting simulations, poetry, iconic art, and careers with ASL. College credit is granted to those who earn the grade of “B or above.”

**4TH YEAR LANGUAGE**

Length/Credit: Full Year/1 Credit  
Grades: 10, 11, 12  
Prerequisite: Successful completion of the 300 level course of the selected language  
Diploma Category: Elective

In this fourth year course we will strive towards proficiency in all communication skills. The course is conducted largely in an immersion environment. Students will have an opportunity to improve and practice their acquired skills. An extensive review of grammar enables students to speak at an advanced level. The goal for year-end will be that students will have a working proficiency in the language. The International Baccalaureate exam, which students are encouraged to take, focuses on 6 global themes and presentational and interpersonal communication. These courses all entail the exclusive use
of the studied language in the classroom with an emphasis on communication skills, interactive presentation of grammar and daily practice outside of class.

**IB FRENCH 400**  
IBF400

**IB GERMAN 400**  
IBG400

**IB JAPANESE 400**  
IBJ400

**IB MANDARIN CHINESE 400**  
IBC400

**IB SPANISH 400**  
IBS400

### 5TH YEAR LANGUAGE

**Length/Credit:** Full Year/1 Credit  
**Grades:** 10, 11, 12  
**Prerequisite:** Successful completion of the 400 level course of the selected language  
**Diploma Category:** Elective

Class is conducted in the target language and students are expected to speak only that language in the classroom. Students will study various cultural themes and other authentic literary and cultural materials. The primary goal of the course is to improve all four language skills and cultural understandings.

**IB FRENCH 500**  
IBF500

**IB GERMAN 500**  
IBG500

**IB JAPANESE 500**  
IBJ500

**IB MANDARIN CHINESE 500**  
IBC500

**IB SPANISH 500**  
IBS500

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**HEALTH – FITNESS**

**AEROBICS**  
PAE200  
**Length/Credit:** One Semester/.5 Credit  
**Grades:** 9, 10, 11, 12  
**Diploma Category:** PE 9-12
This class is designed for all students who want to increase their fitness levels. Work hard and have fun! The goal is to improve cardiovascular fitness, muscle strength, endurance, flexibility, and body composition. This will be achieved through a variety of exercise styles including step aerobics, cardiovascular interval training, stability ball work, Zumba, yoga, and Pilates. Be ready to sweat and strengthen that body! All physical education classes participate in a department directed cardio activity during block days.

PE BASKETBALL
PB8200
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: PE 9-12

Come play basketball 3 on 3, 5 on 5, and 1v1 tournaments. If you love to play basketball or want to learn; this is the class for you. All physical education classes participate in a department directed cardio activity during block days.

HEALTH
HEA410
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12 (recommended for 9th & 10th)
Diploma Category: Health

Total well-being—mentally, physically, and socially is what health is about. This course has been developed to help you gain the knowledge and behaviors essential to increase your quality of life and wellness now as well as invest in your future health. Improving your health through nutrition and exercise, substance abuse prevention, managing your emotions and stress, handling crisis, decreasing your risk for heart disease and cancer, using proper CPR techniques, and human sexuality are topics that will be covered. The goal is to help students understand the choices they make every day and the consequences each choice has on their health and wellness now and in the future.

LIFE FITNESS
PLF200
Length/Credit: One Semester/.5 Credit
Grades: 10, 11, 12 (recommended for 9th & 10th)
Diploma Category: Life Fitness, PE 9-12

Students will acquire knowledge so that they can make informed decisions on a lifetime fitness program and the importance of maintaining a level of fitness. Students are required to take one semester of Life Fitness to meet a portion of their Physical Education graduation requirement. The course includes proper mechanics in preparation for weight training, cardiovascular training and lectures. This class must be taken as a prerequisite to Advanced Fitness, Advanced Weights and Conditioning, and Sports Conditioning. All physical education classes participate in a department directed cardio activity during block days.

RACKET SPORTS
PRS200
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: PE 9-12

This class is an introduction to racket sports with an emphasis on basic skills, rules, and strategies for badminton, pickle ball and tennis. Class will also involve setting up and playing various tournaments. All physical education classes participate in a department directed cardio activity during block days.

TEAM SPORTS
PTS100
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: PE 9-12
This class will offer students the opportunity to participate and improve their skills in a wide variety of team sports. Such activities may include basketball, flag football, soccer, softball, speedball, team handball, ultimate Frisbee, and volleyball. Curriculum will vary depending on the time of year and availability of facilities. All physical education classes participate in a department directed cardio activity during block days.

**WALKING FITNESS**

PWA200  
*Length/Credit: One Semester/.5 Credit*  
*Grades: 9, 10, 11, 12*  
*Diploma Category: PE 9-12*

Low impact exercise program for those individuals who like to walk and talk. Students will be out on daily walks or alternative activity depending on weather. Students will log activity and nutrition. All physical education classes participate in a department directed cardio activity during block days.

**ADVANCED WEIGHT TRAINING**

PWT250  
*Length/Credit: One Semester/.5 Credit*  
*Grades: 10, 11, 12*  
*Prerequisite: Life Fitness recommended prior to taking this course*  
*Diploma Category: PE 10-12*

This class is designed to continue the work that was being done in Life Fitness. The activity emphasis will be focused on a weight-lifting program along with activities for cardiovascular maintenance. Class is designed for the self-motivated individual who would like to work out on a daily basis. All physical education classes participate in a department directed cardio activity during block days.

**YOGA/PILATES**

PYP100  
*Length/Credit: One Semester/.5 Credit*  
*Grades: 9, 10, 11, 12*  
*Diploma Category: PE 9-12*

In this class, students will improve their muscular strength, endurance, and flexibility through yoga and Pilates practice. They will learn many basic postures, learn about the different styles of each practice and will eventually be asked to create their own routine to share with the class. Students will spend time making individual goals for their progress throughout the semester. This class is open to all skill levels and is not religiously based. All physical education classes participate in a department directed cardio activity during block days.

**PERFORMING ARTS**

**CHOIR**

MUV150  
*Length/Credit: Full Year/1 Credit*
Grades: 9, 10, 11, 12
Additional Fees Apply
Diploma Category: The Arts

Preparation and performance of choral literature from the Medieval period to the 21st century that includes music from countries around the world, with a broad representation of ethnicity, sacred, and secular literature sung in the language of the selection. There are frequent performances during both the school day and evenings. Contests, festivals, and tours will vary from school to school. Grading emphasis on consistent effort in rehearsal - attention, behavior, attitude. Vocal and theory tests, attendance at sectionals and concerts is required.

**ADVANCED CHOIR**
MU360
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Prerequisite: Students who demonstrate the most advanced singing/music skills during auditions in April will be selected.
Students who miss the audition must obtain written permission from the instructor to add this class.
Additional Fees Apply. ASB card required.
Diploma Category: The Arts, Elective

This class is primarily for students who have developed the most advanced singing technique and musicianship skills. Personal responsibility, dedication to the ensemble, and pursuit of excellence are emphasized. Singers are required to perform in all school concerts and festivals, and to attend clinics, and trips. Students are strongly encouraged to take private voice lessons. Grades are based upon rehearsal technique, progress of music skills, attendance, and participation.

**WOMEN'S CHOIR**
MU355
Length/Credit: Full Year/1 Credit
Grades: 10, 11, 12
Prerequisite: Women who demonstrate advanced singing/music skills during auditions in the spring will be selected.
Students who miss the audition must obtain written permission from the instructor to add this class.
Additional Fees Apply. ASB card required.
Diploma Category: The Arts, Elective

This class is for students who want to improve their vocal skill and challenge themselves musically. Women in this choir will sing repertoire from Madrigals to Jazz. Personal responsibility, dedication to the ensemble, and the pursuit of excellence are emphasized. Singers are required to perform in all school concerts, festivals and clinics. Class time is spent working on vocal technique, music reading, and ensemble skills. The members become a close-knit group that performs at concerts and festivals. Grades are based upon rehearsal technique, progress of music skills, attendance, and participation.

**GUITAR**
MU110
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Additional Fees Apply
Diploma Category: The Arts

This course is for all students, including those with no prior formal music training and may include such guitar styles as blues/rock, folk or classical. Beginning students receive group instruction on basic guitar skills. As students advance in guitar skills, they are assigned more advanced books or independent study. Students must provide their own guitar and method book.

**JAZZ ENSEMBLE**
MU100
Length/Credit: Full Year /1 Credit
Grades: 9, 10, 11, 12
Prerequisite: By audition only. Must be concurrently enrolled in the school’s band, orchestra or choral large ensemble class.
Additional Fees Apply: includes ASB card, uniform and potential travel
Diploma Category: The Arts

Jazz Ensemble is a school experience for students concurrently enrolled in the schools traditional concert based ensembles. The purpose of this class is to explore and develop skills in this uniquely American art form, which includes all styles of jazz music and improvisation. The Jazz Ensemble performs at all school concerts, Northlake League jazz festivals and other festivals that may involve evening and weekend performances.

CONCERT BAND
MUB110
Length/Credit: One Semester/.5 Credit
Grades: 9
Prerequisite: Instrumental Experience
Fees: Includes ASB card, uniform and potential travel.
Special Materials: Students who play the flute, clarinet, saxophone, trumpet or trombone need to own instrument and accessories.
Diploma Category: The Arts

Concert Band places emphasis on advancing performing skills and exploring a wide variety of musical literature, including marching band, concert and chamber music. Attendance is required for all events that involve Marching Band, Concert Band, Pep Band. The Concert Band performs at all school concerts, Northlake region band festivals, Solo & Ensemble and other festivals that may involve evening and weekend performances.

SYMPHONIC BAND
MUB100
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Prerequisite: Experience on a wind instrument or by teacher permission, Must take with Marching Band
Fees: Varies by school, includes ASB card, uniform and potential travel.
Diploma Category: The Arts

Symphonic Band places emphasis on advancing performing skills and exploring a wide variety of musical literature, including marching band, concert and chamber music. Attendance is required for all events that involve Marching Band, Symphonic Band, Pep Band. The Symphonic Band performs at all school concerts, Northlake League band festivals, Solo & Ensemble and other festivals that may involve evening and weekend performances.

PLAY PERFORMANCE
DRA350
Length/Credit: 1st Semester/.5 Credit
Grades: 9, 10, 11, 12
Prerequisite: Audition required
Additional Fees Apply
Diploma Category: The Arts

In Play Performance students will learn the combination of skills that are necessary to create and present a variety of stage productions that include monologues, one-acts, and stage plays. This course is for actors involved in the presentation of various school play performances during the year.

MUSICAL PERFORMANCE
DRA360
Length/Credit: 2nd Semester/.5 Credit
Grades: 9, 10, 11, 12
Prerequisite: Audition required
Additional Fees Apply
Diploma Category: The Arts, CTE
In Musical Performance students will learn the combination of skills that this art form requires: singing, dancing, and drama. This class is designed for those accepted by audition to prepare for and present the school musical. The semester culminates with the full-scale production of a musical.

**ORCHESTRA**
MUO100  
Length/Credit: Full Year/1 Credit  
Grades: 9, 10, 11, 12  
Prerequisite: Experience on an orchestra string instrument or by teacher permission  
Fees: Varies by school, includes ASB card, uniform and potential travel.  
Diploma Category: The Arts

String Orchestra places emphasis on advancing performing skills and exploring a wide variety of musical literature, which may include full and string orchestra. The String Orchestra performs at all school concerts, Northlake League orchestra festivals, Solo & Ensemble and other festivals that may involve evening and weekend performances.

**PIT ORCHESTRA**
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Additional Fees Apply  
Diploma Category: CTE, The Arts

In Pit Orchestra students will learn the combination of skills that this art form requires. The class is designed for members of the band or string programs to prepare the musical score in support of the stage performers. The semester culminates with a full-scale production of a musical.

**PIANO LAB**
MUP200  
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Additional Fees Apply  
Diploma Category: The Arts

This class is for the student who wants to learn to play the piano. It will include keyboard skills as well as a theory component to enable students to understand the elements of reading music. Grading is based upon daily participation, and playing and written tests.

**TECHNICAL THEATRE**
DRA300  
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Additional Fees Apply  
Diploma Category: The Arts, CTE

This course will teach design principles and construction techniques to be used in a hands-on approach to production. Students will be involved in various aspects of backstage work for school productions.

**THEATRE ARTS I**
DRA115  
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Additional Fees Apply  
Diploma Category: The Arts

This class is designed to lay the foundation for acting by developing skills in movement, improvisation and character development.
THEATRE ARTS II
DRA215
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Prerequisite: Theatre Arts I
Additional Fees Apply
Diploma Category: The Arts

This course continues to build performance skills focusing on acting, scene studies, and analysis.

WIND ENSEMBLE
Length/Credit: One Semester/.5 Credit
Grades: 10, 11, 12
Prerequisite: By audition only
Additional Fees Apply
Diploma Category: The Arts

Wind Ensemble places emphasis on advanced performing skills and exploring a wide variety of musical literature, including marching band, concert and chamber music. Attendance is required for all events that involve Marching Band, Wind Ensemble, Pep Band. The Wind Ensemble performs at all school concerts, Northlake League band festivals, Solo & Ensemble and other festivals that may involve evening and weekend performances.
VISUAL ARTS

CARTOONING
ACA100
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Recommendation BHS: Drawing/Design or 9th grade Art
Additional Fees Apply
Diploma Category: The Arts

This class provides the opportunity for students to use their drawing, imagination and computer skills to create cartoons and animations. Students will improve on their hand drawings of cartoon characters by learning the elements of design, drawing the human figure, and creating caricatures of people. Students will also learn perspective and composition, how to draw original panel cartoons and cartoon strips. The computer is emphasized in creating cartoons and Flash animations. Course may be repeated to work at advanced levels, especially with Flash animations and portfolio preparation.

CERAMICS
ACE100
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Additional Fees Apply
Diploma Category: The Arts

This course is designed to introduce students to the many aspects of clay. Students will learn many aspects of design and construction including the hand building processes and work on the potter’s wheel. After creating projects, students will explore glazing and firing processes.

COMPUTER GRAPHICS
ACG11
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Additional Fees Apply
Diploma Category: The Arts, CTE

Computer Graphics is designed to use both your imagination and design skills to produce a variety of quality artwork. Software emphasis will be given to Adobe Illustrator, Adobe Photoshop. This class will focus on the use of these programs along with utilizing design principles to create quality products.

DRAWING / DESIGN
ADD100
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Additional Fees Apply
Diploma Category: The Arts

No experience necessary. This basic course is a great place to start learning drawing skills and introduces students to the basic elements of art and principles of design while using a variety of media including watercolor, pen and ink, charcoal, color pencil and oil pastel. This class will teach students to draw in a step-by-step process. Students will learn how to use perspective, pattern, texture and color to create projects that are fun while improving knowledge of design. These skills are necessary to excel in all other art classes. This is a highly successful program that brings amazing results. Drawing skills are not required, even students with substantial art experience enjoy and benefit from this class.

GRAPHIC DESIGN
AGD100
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Prerequisite: Drawing/Design, 9th grade Art, or teacher permission
Additional Fees Apply
Diploma Category: The Arts
Learn how to use your art skills to excite and challenge your imagination in the field of visual communication. The projects will include hand-rendering using design basics including type, layout and production. Assignments are challenging, creative and of portfolio quality.

**INTERMEDIATE ART**

AIA100  
*Length/Credit: One Semester/.5 Credit (see note below)*  
*Grades: 9, 10, 11, 12*  
*Prerequisite: Drawing/Design, or teacher permission*  
*Additional Fees Apply*  
*Diploma Category: The Arts*

Intermediate Art is for the student who would like to continue to develop their abilities and expand their interest in art. Projects are designed to build and expand student’s drawing and design skills while developing their creativity and personal expression through a variety of media, which may include charcoal, conte, painting, mixed media, printmaking, 3-D design, oil pastel, chalk pastel, pen and ink.

**IB FILM SL**

IBF200  
*Length/Credit: Full Year/1 Credit*  
*Grades: 11, 12*  
*Requirement: Completion of IB application*  
*Diploma Category: The Arts, CTE, (PNW Credit)*  
*Other Info: Up to 5 college credits available*

IB Film is an in-depth study of the nature of film as a powerful medium of communication and entertainment, and as an art form in its own right. The course is divided into three compulsory sections—textual analysis, film theory and history, and creative process—these are inextricably interwoven throughout the processes of teaching this course. Through a textual analysis of films and a study of film history students will enhance the development of their creative, analytic and production skills. Students will be required to create short films and portfolios detailing the work they put into the final project. They will study a film through selecting a 5-minute passage and critically analyzing it in an essay. IB Film is a serious, academic approach to the study of film history and film production. This course can satisfy the 6th Subject requirement for the IB Diploma.

**IB VISUAL ARTS SL and HL**

IBV100 (SL)  
IBV300 (HL)  
*Length/Credit: Full Year/1 Credit*  
*Grades: 11, 12*  
*Recommendation: Drawing/Design*  
*Additional Fees Apply*  
*Diploma Category: The Arts*

This class may be taken one year for SL credit (either during junior or senior year) or it may be taken two years for HL credit (during both junior and senior years). IB Visual Arts focuses on creating a professional-style portfolio of artwork. Students will learn the processes of developing ideas then exploring and experimenting in order to create a body of work. In addition to their portfolio, students will keep a visual journal of thoughts, ideas and inspirations. A portion of the class is devoted to studying and understanding artworks created by professional artists.

**METAL DESIGN**

AMD100  
*Length/Credit: One Semester/.5 Credit*  
*Grades: 9, 10, 11, 12*  
*Additional Fees Apply*  
*Diploma Category: The Arts*

Students will have the opportunity to apply art design techniques in order to make metal artworks. Students learn metalsmithing skills used in the creation of jewelry and small-scale sculptures using brass, copper, and silver.

**PHOTOGRAPHY**

APH100
Do you like to take pictures? In this class you will 1) Learn how to use an adjustable camera with shutter speed and aperture settings to take quality photos without a flash; 2) Learn how to see through the lens creatively to take artistic photos, not just snapshots. Students should be prepared to spend out-of-class time shooting their photos. The opportunity to use film and print in the darkroom is also available. (Schools without access to darkrooms will focus on digital photography).

**ADVANCED PHOTOGRAPHY**
Length/Credit: One Semester/.5 Credit  
Grades: 10, 11, 12  
Prerequisite: Photography  
Additional Fees Apply  
Diploma Category: The Arts  
Other: Each student will need to provide his/her own manually adjustable digital camera

Advanced Photography is offered to students who have had the beginning class and are enthusiastic about spending more time doing photography. Assignments will focus on learning new techniques and improving technical skills as well as special effects.

**STAINED GLASS**  
ASG100  
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Additional Fees Apply  
Diploma Category: The Arts

Learn the ancient and contemporary skills of designing and constructing glass windows and decorations. Lead and copper foil techniques for assembling glass projects will be emphasized. Students will use their design skills to plan and assemble required projects. Glass fusing and slumping will be introduced.

**ADVANCED TELEVISION PRODUCTION**  
TET230  
Length/Credit: One Semester/.5 Credit  
Grades: 11, 12  
Requirement: Teacher Permission (A- or better in prior video class)  
Diploma Category: The Arts, CTE, (PNW Credit if taken full year)

This class is for the student who excelled in prior Video Productions classes at IHS. All work will be focused on furthering skills in editing, filming, and producing. Features for the broadcast and Senior Breakfast video are important parts of the class. Most of this class is devoted to producing “Good Morning Inglemoor.” Students will adopt specialty areas such as news anchor, sportscaster reporter, and producer. Can be Fine Art or Occupational Education credit.

**VIDEO PRODUCTION**  
TEV131  
Length/Credit: 1st Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Diploma Category: The Arts, CTE, (PNW Credit when taken with Advanced Video Production)

This class is designed for someone who wants to do more than run around with their phone filming stuff and posting it on YouTube. You will learn proper use of cameras, editing (iMovie), and film analysis. Assignments to be produced are: an introduction video, a commercial, a short movie, a mock commercial and two music videos. There will also be some film study in the form of analysis and replication.

**ADVANCED VIDEO PRODUCTION**  
TEV230  
Length/Credit: 2nd Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Diploma Category: The Arts, CTE, (PNW Credit when taken with Video Production)
This class will provide a variety of video experiences for students who have done well in an introductory course or have extensive experience in video making. Further instruction in audio-mixing, special effects, technical skills, and film analysis will be covered. Assignments such as stop-action animations, documentaries & short films will be completed. Can be Fine Art or Occupational Education credit.

**VISUAL COMMUNICATIONS DESIGN**

**AVC100**

*Length/Credit: Full Year/1 Credit*

*Grades: 9, 10, 11, 12*

*Requirement: Teacher permission*

*Diploma Category: The Arts*

Visual Communications Design applies fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. This course uses technology in the creation of graphic and digital designs. This course also provides instruction in the process of responding to student’s own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work. Students will learn to communicate ideas using photographs, graphics and text. They will learn design production. Students will also learn to work with a team.
CAREER & TECHNICAL EDUCATION

IB BUSINESS & MANAGEMENT SL
IBB200
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Diploma Category: CTE (PNW Credit)

Topics covered include business organization and environment, human resource management, finance and accounts, marketing, and operations management. The student will develop a solid foundation of business theory and how business strategy is created across key organizational departments in a variety of US and International business environments. The student will demonstrate mastery of business and management concepts through projects, solving real world case studies, and developing a research commentary that will provide future oriented solutions that “real” business decision makers can use. (Course may be repeated for credit.) This class is associated with DECA which provides opportunities for travel, leadership, fun and scholarships. This course can satisfy the 6th Subject requirement for the IB Diploma

INTRO TO MARKETING
BMD110
Length/Credit: Full Year/1 Credit
Grades: 9, 10
Diploma Category: CTE (PNW Credit)
Other Info: Up to 10 college credits available. DECA membership required

Marketing coaches business and life skills that apply to all careers and are performance based skills that everyone needs to demonstrate to become successful in life and in business. This class is perfect for the student who is interested in the way businesses operate and make decisions. Students learn the multifaceted and integrated nature of problem solving in the business world. They also learn how to market themselves, build confidence, and introduce new products and services in highly competitive and sometimes-international business environments.

DECA is the international student association, with 215,000 members, that all marketing students are encouraged to join. DECA provides students with many opportunities for travel, leadership development, case study competitions, DECA only scholarships, and fun. DECA is the “varsity academic sport of business”. Topics covered are universal in the world of business and apply to both profit and not-for profit organizations.

MARKETING – ADVANCED/DECA
BMD150
Length/Credit: Full Year/1 Credit
Grades: 10, 11, 12
Prerequisite: Completion of Intro to Marketing
Diploma Category: CTE (PNW Credit)
Other Info: Up to 10 college credits available. DECA membership required

Advanced Marketing is a course designed for students that have completed Introduction to Marketing. The course builds on what was previously taught and will continue to coach business and life skills that apply to all careers and are performance based. There will be a heavy focus on preparation for DECA competitions with a STEM educational approach through opportunities to create advertising campaigns, business startup plans, and through product and business innovation.

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RETAIL OPERATIONS/ STUDENT STORE
BRO105
Length/Credit: Full Year/1 Credit
Grades: 10, 11, 12
Prerequisite: 1 Year of Marketing, Application and Teacher Permission
Diploma Category: CTE
Other Info: Up to 10 college credits available. DECA membership required
This is a unique course involving on-campus work experience in a “real” retail business. Student employees are trained to operate electronic cash registers and to handle the following jobs: advertising, purchasing, inventory control, record-keeping, food preparation, stock maintenance, clothing sales, store maintenance and cleaning. Courtesy, service, honesty, confidence, and professionalism identify the successful student working in the store.

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**SPORTS AND ENTERTAINMENT MARKETING**  
**BSP100**  
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Diploma Category: CTE

Sports and Entertainment Marketing is a unique and innovative course designed for students with an interest in the industry. This course offers students the opportunity to apply their knowledge and marketing principles and concepts to a multi-billion dollar industry. Students will be given insight and hands-on experience developing promotions in sports or entertainment events. Classroom instruction will be reinforced through guest speakers, simulations and field trips.

**COMPUTER SCIENCE WITH C#.NET**  
**VCP515**  
Length/Credit: Full Year/1 Credit  
Grades: 10, 11, 12  
Prerequisite: 9th grade Algebra 1/10th grade Geometry or Teacher Permission  
Diploma Category: CTE, Algebra 2, 3rd Credit of Math, 3rd Credit of Science (PNW Credit)  
Other Info: Up to 10 college credits available

Using the C# programming language, students will learn to write programs with good overall design and effective use of objects. Topics include procedural programming (methods, parameters, return values), basic control structures (sequence, if/else, loops), file processing, collections, and object-oriented design. Students end the year with a multi-week project where they design, create, test, and document a major program of their own. Students can earn college credit via Tech Prep.

**IB COMPUTER SCIENCE WITH JAVA SL**  
**IBC300**  
Length/Credit: Full Year/1 Credit  
Grades: 11, 12  
Diploma Category: CTE, Algebra 2, 3rd Credit of Math, 3rd Credit of Science (PNW Credit)  
Other info: Up to 5 college credits available

This course meets the requirements of the IB Computer Science SL curriculum, but you do not have to be an IB student to take this course. Programming topics cover fundamental Java language constructs, including objects, classes, methods, parameter passing, primitive and reference types, and use of the Java class libraries. In addition, students will study the systems life cycle, software development and computer systems fundamentals. This course can satisfy the 6th Subject requirement for the IB Diploma.

**MICROSOFT APPLICATIONS**  
**BMA100**  
Length/Credit: One Semester/.5 Credit  
Grades: 9, 10, 11, 12  
Diploma Category: CTE (PNW Credit)  
Other Info: Up to 5 college credits available

Interested in learning the skills and techniques that will make your school documents stand out? In this course you will learn the basic skills in Microsoft Office Applications: MS Word (word processing), MS PowerPoint (presentation design and development), MS Excel (spreadsheets to calculate and display data) and MS Access (sophisticated database). Industry certifications can be earned upon the completion of the basic skills in these applications.

**MICROSOFT OFFICE CERTIFICATION**  
**BMO100**
Having learned the basic skills in the Microsoft Office Applications, you are now ready to increase your skills to the next level. In this course, you will focus on the advanced skills in Microsoft Word and in Microsoft Excel. These skills are highly prized by various industries and makes you stand out on your resume. Students completing this course successfully can earn Microsoft MASTER Certifications that verify the highest level of accomplishment, making you competitive in today’s job market.

**WEB DESIGN**
BWE100
Length/Credit: Full Year/1 Credit
Grades: 9, 10, 11, 12
Diploma Category: CTE (PNW Credit)
Other Info: Up to 10 college credits available

This course is a college level project based course that introduces the basic elements of designing and developing web pages. Students will learn how to plan and design effective web pages for business and personal use. Web pages will be created using HTML, CSS and Photoshop.

**FINANCE**
BFI315
Length/Credit: Full Year/1 Credit
Grades: 10, 11, 12
Prerequisite: If the course is being taken to meet 3rd year math option, student must have previously earned one credit in Algebra 1 or Algebra 1 equivalent course and have earned one credit in Geometry or are concurrently enrolled in Geometry and the 3rd year math option course.
Diploma Category: CTE, 3rd Credit of Math, (PNW Credit)

Now is the time to start understanding finance in mathematical terms and gain confidence in your ability to manage money. This course is designed to build on your prior math knowledge while taking you step by step through strategies that will help you learn the time value of money, how to evaluate the best cell phone contract, how to build a business plan by knowing costs, profits, and breakeven points, how to buy, sell, trade, and analyze stocks, how to manage checking and savings accounts, estimate and analyze loans, and more! This course meets 3rd year math requirements as a Career Pathway Option. Students will need to meet with their counselors to complete the registration, parent conference, and sign off requirements prior to signing up for this course as a 3rd year math option.

**INTRODUCTION TO ENGINEERING DESIGN**
TEC105
Length/Credit: One semester/.5 credit
Grades: 9, 10
Diploma Category: CTE

This course is open to any student who would like to learn about engineering design and the processes of building things. Applying problem solving, visual communication, and design skills along with using industrial technology systems, students create and build challenging and exciting projects. Units of study include manufacturing, electricity/electronics, energy, power, computer aided drafting (CAD), structures and architecture. Class projects will be hands-on and constructed out of a variety of materials that could include wood, metal and plastic.

**INTRODUCTION TO ROBOTICS**
TER200
Length/Credit: One semester/.5 credit
Grades: 9, 10, 11, 12
Diploma Category: CTE

This course is designed to give students the opportunity to explore the world of robotics through the basic principles of design, construction, and programming of robots while learning problem-solving techniques, mathematics, logic, creativity, physics, electronics, mechanics, teamwork, computers and computer programming. The class is structured for both
technical and non-technical students. Students will first learn how the basic components of a robot operate and then learn to join them together to form a robot that can complete simple functions. Students will use VEX Robot kits to design, build, test and modify their own robots. In the labs, students either individually or as teams will be challenged to construct robots that will perform a series of tasks. The goal of the class is to provide students the opportunity to apply science, math, technology, and engineering skills and concepts to something which is both challenging and fun.

**IB Design Technology SL**
*IBS310*
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Prerequisite: Application and acceptance
Diploma Category: CTE, 3rd Credit of Science

This project-based course provides students with an exploration of the process and tools used in industrial (products) design including an in-depth look at human factors and ergonomics, CAD/CAM, material science, and sustainable design. Individual portfolios will be developed based on class projects.

**IB Design Technology HL**
*IBS320*
Length/Credit: Full Year/1 Credit
Grade: 11, 12
Prerequisite: Completion or concurrent enrollment of IB Design Technology SL
Diploma Category: CTE, 3rd Credit of Science
Other Info: The opportunity for receiving university credit (UW Engineering 100 – 5 credits) may be obtained through the end of course IB assessment. See the instructor for further details.

Building upon the experiences and content of IB Design Technology SL, this problem-based course takes an in-depth look at human-centered design, sustainable development, and commercial manufacturing. Through a series of college-level projects (product design, building design/urban planning, and graphic design), individual portfolios will be developed for college applications. College credit available through both the University of Washington and Cascadia College.

**FOOD AND NUTRITION**
*HFF161*
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: CTE (PNW Credit)
Other Info: Up to 3 college credits available

This class is designed to stimulate interest in planning, preparation and appreciation of healthy foods. This class provides a look into nutritional needs, safety, sanitation practices, and use and care of kitchen equipment providing a framework for the kitchen experiences in basic food preparation. Students will study basic nutritional guidelines, which will then be applied to menu planning and cooking skills. Learn to make everything from pies to Pad Thai! Emphasis will be given in developing positive attitudes for appreciation of nutritional, good tasting foods.

**INDEPENDENT LIVING**
*HFL100*
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: CTE

In this activity-oriented comprehensive class you will learn skills needed to be independent such as wise money management, which includes learning to invest and positive use of credit, basic meal planning and preparation, and buying consumer goods. You will look at selecting housing and roommates, tenant and/or landlord responsibilities as well as protecting yourself from consumer “rip-offs”. Other topics covered include how to buy and insure a car, and how to fill out tax forms.
**INTERIOR DESIGN**
HFI120
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: CTE (PNW Credit)
Other Info: Up to 5 college credits available

If you have a keen interest in art and design, then Interior Design is the course for you! Make the most of all your talents in this project based laboratory course. Challenge yourself every day as you apply the elements and principles of design related to tasks and projects. The course of study will include exploring the appropriate use of: color concepts, floor plans, furniture arrangement and selection, lighting choices, textiles, green materials, as well as kitchen and bathroom design. If you would like to stimulate your personal growth in design and make a positive difference in people’s lives, then Interior Design may be just what you’re looking for!

**IB PSYCHOLOGY SL**
IBP100 & IBP155
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Diploma Category: CTE

Psychology is the systematic study of human behavior and experience. The overall aim of this course is to give students a deeper understanding of the nature and scope of psychology. Studies of the biological, sociocultural and cognitive perspectives will provide an appreciation of the diverse approaches that have shaped the nature of knowledge and the ways of investigating behavior with the discipline of psychology. In addition to the core perspectives, students will examine specific issues within health and dysfunctional psychology which will provide an opportunity to study according to their own personal interests.

**LIFESPAN PSYCHOLOGY**
HFP240
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Diploma Category: CTE

This exploratory course is designed to introduce students to the many subjects of psychology. Through class discussion, lectures, projects and presentations students will learn about the human lifespan. Subjects that will be covered include: child development, personality, intelligence, personal and professional relationships, communication, family dynamics, and many other popular psychology topics. Tech Prep college credit is pending

**LEADERSHIP CLASS**
YYN205
Length/Credit: One Semester/.5 Credit
Grades: 9, 10, 11, 12
Prerequisite: ASB card required
Diploma Category: CTE

Are you interested in becoming involved in school leadership activities? In this course, students will learn to develop and strengthen leadership abilities by actively planning leadership lessons, working on committees, and participating in planning sessions. Students will be given the opportunity to participate in activities associated with homecoming, assemblies, school dances, and community service projects. Students will also be a part of the advertisement and promotion of school and community activities. Be a part of school leadership and make a difference in your school and the community.

**LEADERSHIP**
YYN205
Length/Credit: Full Year/1 Credit
Grades: 9, 10, 11, 12
Prerequisite: Must be elected to an ASB or class office or selected by ASB for an appointed position. ASB card required.
Diploma Category: CTE

This course is designed to instruct students in the various methods and techniques involved in planning, implementing, and evaluating projects. Leadership skills such as parliamentary procedure, time lines, budgeting, analysis of leadership style, and agenda planning will be stressed. Students will be given the opportunity to generate, develop and implement projects. Community service will be an integral part of this class. The course will be both project and instruction based.

**LIBRARY RESEARCH ASSISTANT**

**Length/Credit:** One Semester/.5 Credit
**Grade:** 9, 10, 11, 12
**Prerequisite:** This course is not listed on the Student Course Option Worksheet. Students interested in this course must speak to Mrs. McCausland.
**Diploma Category:** CTE

Goals: Research Assistants will learn library management procedures and will develop sophisticated personal research skills. Research Assistants will acquire valuable work experience for future job opportunities as they assist library personnel, students and school staff in many areas of library and technology use. Skills: Research Assistants will master library circulation, organization and maintenance procedures, accurately checking items in and out, processing materials, shelving books, and maintaining equipment. Research Assistants will develop skills for locating, retrieving, evaluating, and synthesizing information using the library’s online catalog, subscription databases and Internet sources. They will assist students and school staff with research and technology needs and will help the librarians maintain the library web pages. Job skill instruction, activities exploring careers in the information industry, written assignments and assessments will be included. Letter grade and occupational education credit earned.

**NEWSPAPER MAGAZINE STAFF**

**ENG560**
**Length/Credit:** Full Year/1 Credit
**Grades:** 10, 11, 12
**Requirements:** Application, Teacher recommendation, and interview are required.
**Diploma Category:** CTE

This course will cover all aspects of journalism, including (but not limited to) reporting, editing, page design & layout, web design, advertising, and photography. Student reporters will cover stories of interest to the school community, including: local/school news, academics, the arts, sports, student life, politics, film/music/restaurant (etc.) reviews, and other relevant & appropriate topics. Students will be responsible for publishing and distributing the school newspaper.

**PEER COACHING (ADVOCATE FOR SPECIAL EDUCATION PROGRAM)**

**Length/Credit:** One Semester/.5 Credit
**Grades:** 9, 10, 11, 12
**Prerequisite:** Teacher permission
**Diploma Category:** CTE

Peer coaches will have the experience of working directly with students with moderate to significant developmental disabilities. Peer coaches work with students in a variety of ways including: general academic support, 1:1 direct instruction, taking data, and classroom management. Students must be reliable, respectful, conscientious and able to take initiative. This is a great opportunity for students interested in entering the teaching or medical fields.

**SPORTS MEDICINE/ ATHLETIC TRAINING**

**SMA210**
**Length/Credit:** Full Year/1 Credit
**Grades:** 9, 10, 11, 12
**Prerequisite:** Application and acceptance
**Diploma Category:** CTE

Students in this course develop and apply skills connected to different careers within the field of sports medicine and
athletic training. The course is structured with both classroom and applied learning/internship components working under the supervision of the certified athletic trainer with high school sports teams. The standards for this course are based upon the National Athletic Trainers’ Association six domains of responsibility/education, and the Career and Technical Education Therapeutic and Sports Medicine competencies strands.

ADDITIONAL COURSE OFFERINGS

ETHNIC STUDIES

SSE200
Length/Credit: Full Year/1 Credit
Grade: 11, 12
Diploma Category: Elective

Ethnic Studies is an in-depth look at how American civics and current world problems impact student lives with a special emphasis on social justice. In this year long course, students will explore how power influences the historical interaction of race, economics, and law at the individual, community, and national level. Students analyze how their identity and culture is impacted by economic principles and law differently with the ultimate goal of empowering students to share their voice within their community.

IB ECONOMICS SL

IBE205
Length/Credit: Full Year/1 Credit
Grades: 11, 12
Diploma Category: Flexible Credit

IB Economics is a year-long SL (standard level) course open to all juniors and seniors that is equivalent to an introductory, one semester college course. Students develop an understanding of microeconomic and macroeconomic theories and concepts and their real-world application. They also develop an appreciation of the impact on individuals and societies of economic interactions between nations as well as develop an awareness of development issues facing nations as they undergo the process of change.

IB GLOBAL POLITICS SL

IBH325
Length/Credit: Full Year/1 Credit
Grade: 11, 12
Diploma Category: Contemporary World Problems, Social Studies

This course is designed for those students with a passion for Political Science and International Relations. The history of major world events since the Cold War will be explored as well as why and how nations engage in foreign policy decisions. Topics of study will include human rights, international law, world and regional cooperation, peace and conflict, as well as
selected contemporary geopolitical issues. Any student who is particularly interested in global affairs, cares about world problems, and pays attention to international news will love the challenges of this course.

**LIBRARY, OFFICE, AND TEACHER ASSISTANTS**

*Length/Credit: One Semester/.5 Credit*

*Grades: 9, 10, 11, 12*

*Prerequisite: Staff permission*

*Diploma Category: Elective*

Students will help with varied clerical tasks and other skills pertinent to the job. Student assistant positions with teachers, office, and library staff require conscientious work habits and good attendance. Student will receive a Pass/No Credit grade.

**PEER TUTORING**

*Length/Credit: One Semester/.5 Credit*

*Grades: 9, 10, 11, 12*

*Prerequisite: Teacher permission*

*Diploma Category: Elective*

Peer tutoring is a semester-long opportunity for students fluent in the English language to give assistance in speaking, reading, and writing to English language learners (ELL). The peer tutor is matched with one or more ELL students to assist in language skill development.

**SATELLITE PROGRAMS**

**AUTO TECHNOLOGY – BEGINNING**

**AUTO TECHNOLOGY – ADVANCED (SKILL CENTER PROGRAM)**

*Length/Credit: Beginning: Full Year/2 Credits; Advanced: Full Year/3 Credits*

*Grades: 10, 11 (Beginning) 11, 12 (Advanced)*

*Location: BOTHELL HS (Satellite program – open to all NSD students)*

*Prerequisite: Application and Acceptance*

*Diploma Category: CTE, Lab Science (PNW Credit)*

*Other Info: Up to 16 college credits available*

Designed as a two-year course of study during a student’s junior and senior years. Beginning Auto Tech, for juniors, meets for two periods per day. Advanced Auto Tech, for seniors, meets three periods per day. This gives students a “real world” experience of an automotive career, including a significant amount of vehicle diagnosis and repair. Exciting Hybrid and Electric Vehicle Program included.

- Students learn to work individually and in small groups.
- Students progress at their own rate.
- Juniors can participate in paid, manufacturer sponsored summer internships
- Scholarship opportunities through competitions

**Upon Completion Of Both Years, Students Are Awarded:**

- Certificate of Proficiency
- Six credits earned for entire program
- Multiple certifications available through successful completion of program

As an ASE-certified training program, opportunities for advanced placement in post-secondary training programs are available. Students completing this program are given preference at Shoreline Community College’s manufacture-sponsored programs; up to 15 college credits may be recognized.
AVIATION: INTRODUCTION TO FLIGHT
Length/Credit: Full Year/1 period, 1 credit
Grades: 11, 12
Prerequisite: Application and acceptance.
Location: NORTH CREEK HS (Satellite program – open to all NSD students)
Diploma Category: CTE, Flexible Credit

Aviation: Introduction to Flight is an exploratory course into the aviation careers. Come learn the principles of flight, aircraft and aircraft systems, flight environment, meteorology, radio communications, flight planning, aircraft performance, navigation, and more! The curriculum used in this course will prepare any student to take the FAA private pilot written exam.

BAKING & PASTRY ARTS
Length/Credit: Full Year/2 Consecutive periods/2 Credits
Grades: 10, 11, 12
Location: BOTHELL HS (Satellite program – open to all NSD students)
Prerequisite: Application and acceptance. No Prerequisite
Fees/Special Materials: Uniform
Diploma Category: CTE
Other Info: College credits pending

In this advanced, fast paced course, students will learn the baking techniques of mixing, shaping, folding and baking while exploring the science and math behind baking. Students will earn how to successfully make quick breads, decorated cakes, laminated dough, mousses, sauces, custards & frozen desserts, cookies, and confections. Plated desserts, international baked foods, yeast dough and chocolate work & candies will also be explored in this year-long course. In addition, students will be introduced to decorating techniques like sugar and chocolate garnishing. Students will learn in a well-equipped, industry standard kitchen to prepare food for student presentations, school functions and community service events. This course includes classroom instruction and practical lab work in a commercial kitchen.

CAREERS IN EDUCATION ACADEMY
Length/Credit: Full Year/2 periods/2 Credits
Grades: 11, 12
Prerequisite: Application and acceptance
Location: BOTHELL HS (Satellite program – open to all NSD students)
Diploma Category: CTE (PNW Credit)
Other Info: Students can earn college credit. Up to 8 college credits available.

If you’re considering a career in education as a teacher, counselor, or an administrator, the Teaching Academy will give you the “total teaching” experience. Students will gain experience in understanding the learner, schools, teachers and teaching as well as exploring pathways to the future. Working with a mentor teacher, students expand and apply their knowledge during an internship experience in an elementary or middle school. As an intern, you will experience the inner workings of the classroom, school and district, while performing duties such as tutoring, grading, supervising and eventually teaching. As a college level course, Teaching Academy is best suited for students willing to apply themselves to the study of interesting and sometimes challenging material.

COMPOSITES ENGINEERING & MANUFACTURING
Length/Credit: One Semester (2 periods) / 1 Credit
Grades: 11, 12
Location: BOTHELL HS (Satellite Program – Open to all NSD Students)
Prerequisites: Application and acceptance. Previous introduction course in woods, metals, welding, or manufacturing is recommended.
Composites Engineering and Manufacturing is an excellent foundational course for a career in composite manufacturing. It is designed to instruct students in the areas of project design, mold making, CNC machining practices and composite lay-up procedures. A major emphasis will be placed on shop safety and proper hand and power tool use. This course provides students with an in-depth introduction to the composites lab and students will gain practical knowledge needed to create their own projects or continue with lifelong skills in composite manufacturing. Student will construct various teacher assigned projects as well as the opportunity to create, design and build personal projects of their choice with teacher guidance and close supervision. Projects may include: snowboards, skateboards, consumer products, sporting equipment, and many others.

**CONSTRUCTION TRADES ACADEMY**

*Length/Credit: Full Year/2 Consecutive periods/2 Credits*
*Grades: 10, 11, 12*
*Location: BOTHELL HS (Satellite program – open to all NSD students)*
*Prerequisite: Application and acceptance. Previous introductory course in woods, metals, welding or manufacturing is recommended*
*Diploma Category: CTE, Geometry*

The Construction Academy program is designed to provide students with the technical skills necessary to compete for entry-level trades positions. Students will participate in all aspects of building a structure including: planning, blueprint reading, flooring, wall and roof systems, electrical, plumbing, and interior finishes. Students will also gain insight into the different career pathways and opportunities within the construction industry. This course also focuses on job safety, developing communication skills, professionalism, technical writing, application of math concepts, customer service, and other highly employable traits and characteristics. Knowledge and skills are developed through hands-on activities, project-based learning, field trips, job shadows and guest speakers to meet rigorous academic and industry standards.

**CULINARY ARTS**

*Length/Credit: Full Year/2 Consecutive periods/2 Credits*
*Grades: 10, 11, 12*
*Location: BOTHELL HS (Satellite program – open to all NSD students)*
*Prerequisite: Application and acceptance. No Prerequisite*
*Fees/Special Materials: Uniform*
*Diploma Category: CTE, Lab Science*
*Other Info: Up to 9 college credits available*

This professional class is offered to 11th and 12th graders who are interested in learning restaurant industry secrets. Students will learn hands on industry experience through food preparation, entry level baking (cookies, gingerbread structures, quick breads), cooking methods (grilling, sauté, stir fry) & techniques (knife skills, presentation, garnishing). To enhance their culinary experience students will have the opportunity to develop tastes & flavors, try new foods and grow varying ingredients in the class run garden. Students will explore culinary careers in the food industry, work with industry professionals, tour food establishments and work with college culinary programs. Students will also experience the “book” end of restaurants by costing recipes, market their prepared foods, and work in customer relations. Culinary Arts is where you learn how to have a successful career in the food industry!

**Prepare For College And A Career!**
- Earn college credits transferable to many community colleges & universities
- Become eligible for scholarships
- Earn National Restaurant Association Certification (must complete 2 years of Culinary Arts)
- Obtain Washington State Food Workers Permit
HEALTH SCIENCE CAREERS (SKILL CENTER PROGRAM)

Length/Credit: Full Year (3 consecutive periods)/3.0 Credits
Grades: 11, 12
Location: WOODINVILLE HS (Satellite program – open to all NSD students)
Prerequisite: Application and acceptance
Diploma Category: CTE, Health, Lab Science (PNW Credit)
Other Info: Fees are associated with this course for purchasing required supplies. Up to 16 college credits available through Bellevue College.

This intensive course of study introduces students to a variety of careers in the health care industry with emphasis on hands-on, patient-oriented careers such as physician, nursing and other therapists. At the end of the year students are qualified for the Nursing Assistant State exam. Nursing Assistant is an entry level position in healthcare and will allow you to enter the medical field right after graduation from the program.

Instruction Includes:
- Health care field career exploration
- Anatomy and physiology
- Medical terminology
- Pathophysiology and clinical manifestations
- Infection control
- Preventative & restorative care
- Patient care
- Communication with a patient and a care team
- Electronic charting
- Clinical internship
- CPR and First Aid Certification
- HIV Certification

Classes meet at Woodinville High School for three consecutive periods in the morning or afternoon. Schedule of classes is available on WHS Health Science Careers site. Schedule allows travel time for students from other schools. Morning HSC students are back to their home schools in time for fourth period and afternoon students are able to leave their home school after third period. An additional 7 shifts of clinical internship at skilled nursing facilities on Saturdays are spread throughout the school year. Clinical shadowing is available at Harborview Medical Center in May with school transportation provided.

WA State NAC certification exam is conducted at the end of the school year. The fee for the exam is $156, which includes the Department of Health license fee. Students are employable as Certified Nursing Assistant on the next day after exam. There is a very high demand for nursing assistants in the community. Students frequently get hired on the spot with the starting pay of $12-17/per hour. Other expenses: Scrubs - $25, white shoes for clinicals, a wristwatch, and a personalized sweatshirt - $35. Personal stethoscope is optional, as we provide them in class. HOSA membership is $15. All fees are fully refundable by a future employer if the graduate gets a job within the first year after completion of the program.

High School credits: 1.0 Lab science, 1.5 Occupational, and 0.5 senior Health and Fitness credits.
College credit: 16 college credits through Bellevue College, which are fully transferrable to any other college or university. This program partners with UW Bothell Health Science Department, which includes pre-med, public, and global health tracks, as well as Bachelor of Science in Nursing. Students are actively involved in National HOSA (Health Occupation Students of America), a student leadership organization, successfully competing in multiple categories on a state and national level.

SPORTS MEDICINE / ATHLETIC TRAINING
Length/Credit: Full Year/1 Credit
Grades: 11, 12  
Location: BOTHELL HS (Satellite program – open to all NSD students)  
Prerequisite: Application and acceptance  
Diploma Category: CTE

Students in this course develop and apply skills connected to different careers within the field of sports medicine and athletic training. The course is structured with both classroom and applied learning/internship components working under the supervision of the certified athletic trainer with high school sports teams. The standards for this course are based upon the National Athletic Trainers’ Association six domains of responsibility/education, and the Career and Technical Education Therapeutic and Sports Medicine competencies strands.

ADVANCED SPORTS MEDICINE / ATHLETIC TRAINING  
Length/Credit: Full Year/1 Credit  
Grades: 11, 12  
Location: BOTHELL HS (Satellite program – open to all NSD students)  
Prerequisite: Application and acceptance  
Diploma Category: CTE  (PNW Credit)

This course builds on Beginning Sports Medicine/Athletic Training as students will focus more on how to evaluate and rehabilitate specific sports injuries. They will also learn about the psychological aspects of sports injury, sports nutrition, and sport pharmacology. Students enrolled are required to obtain 60 hours of athletic training experience and complete a clinical internship at a local healthcare facility (hospital, physical therapy clinic, high school, college or professional training room, massage therapy clinic, chiropractic clinic, fire department, fitness center, dental office dietician/nutrition center). Students will also participate in the Washington Career & Technical Sports Medicine State competition held in the spring. Students who earn a “B” or better in this course qualify for college credit through our Tech Prep College Connections program.

WELDING AND FABRICATION  
Length/Credit: One Semester (2 periods)/1 Credit  
Grades: 11, 12  
Location: WHS (Satellite program – open to all NSD students)  
Prerequisite: Application and Acceptance  
Diploma Category: CTE

The Welding and Fabrication program provides students with training in oxy-acetylene welding and cutting, arc welding, MIG welding and TIG welding. Students start with planning and layout work, then progress to setting up and operating welding and cutting (Oxy-Fuel, and Plasma) equipment. The students learn Shielded metal arc as well as MIG solid wire, Flux core, and TIG welding in all positions. Some of the metals we weld with are Carbon Steel, Aluminum and Stainless Steel to name a few. Emphasis is placed on safety as well as blueprint reading, properties of metal, metal identification, type and use of electrodes, welding rods, electrical principles, and welding symbols.

The use of manuals, specification charts, and understanding the welding standards established by the American Welding Society is stressed. Training in the planning, layout, forming, joining and fabrication of various shapes in light and heavy gauge metal and pipe is provided. Students are exposed to the use of specialized hand tools, shears, forming and shaping machines, drill presses, and metal cutting saws. Inspection and testing processes as well as procedures are also demonstrated and explained.

The students will work on various projects throughout the time they are enrolled in Welding and Fabrication. We work on projects for the school, other teachers, students, outside customers, etc.
WaNIC CONSORTIUM

Many Career and Technical Education (CTE) classes available to NSD students are taught through the WaNIC consortium, a partnership of seven school districts in Northeast Puget Sound. Courses available to our students may be out of district and do require personal transportation.

WANIC Skill Center offers additional Career & Technical Education at many locations. All classes are full year and earn 3 HS credits; college credits are available. All classes earn Occupation Education credits and many offer other course equivalencies. Speak to your career specialist and visit online www.wanic.org for more information and to apply.

Automotive Technology

Program Locations: Bellevue HS & Bothell HS
Discover the real world experience of an automotive career, including vehicle diagnosis and repair. Work with the latest test equipment, procedures and systems used in the auto industry.

Cisco Networking Academy

Prerequisite: Completion of Computer Technology or instructor permission
Program Location: Newport HS
Design, build, manage and troubleshoot corporate enterprise networks. Learn mitigation of security threats, wireless networks, and advanced troubleshooting skills with a major emphasis on hands-on learning. Be prepared to take the
Cisco Certified Networking Associate (CCNA) exam.

Culinary Arts

**Program Location:** Newport HS
Learn French cooking techniques, culinary terminology, knife skills, aesthetics of food presentation, baking and pastry techniques, and explore a wide variety of global cuisines. Career applications include restaurant management, planning and executing catering events, and table service.

Dental Careers

**Program Location:** WANIC Skill Center
Explore many dental career possibilities. In a new, state of the art dental lab, learn about instruments, dental materials, four-handed dentistry, preventive, restorative and specialty procedures, patient charting, sterilization, radiography, general and oral anatomy microbiology and more.

**Course Equivalency:** Lab Science

DigiPen Art & Animation

**Program Location:** DigiPen
Study professional production animation from traditional art theory and skills development to composition and storytelling in 2D animation and 3D modeling. Prepare for further education and achieve the baseline skills to succeed as an artist/illustrator/animator in the video games and film industries.

**Course Equivalencies:** Fine Art, Art History/Social Studies

DigiPen Video Game Programming

**Program Location:** DigiPen
Become a "maker of technology", not just a user of technology. Learn how today's digital games and interactive experiences are created. You will make a series of games using DigiPen's Zero Engine while learning the basics of programming in 'C'.

**Course Equivalency:** AP Computer Science Principles

DigiPen Music & Sound Design

**Program Location:** DigiPen
Combine music composition, history, and theory with practical training in studio recording techniques. Apply fundamentals in computer science, mathematics, and physics to sound design principles. Learn what it takes to work within teams in real-world settings to create interactive audio for video games and engaging soundtracks for film.

Fire & EMS

**Program Location:** WANIC Skill Center
Learn the skills necessary to pursue a career in the fire service and community emergency response team. Taught by fire-fighting professionals, you are introduced to: Firefighter training; fire prevention, inspection and investigation; alarm systems; dispatching, CERT, and emergency medical services. You will drill at fire stations on the Eastside in full bunker gear.

**Course Equivalencies:** Health, PE

Health Science Careers/Nursing

**Program Locations:** Sammamish HS, WANIC Skill Center, Woodinville HS
Hands-on, patient-oriented skills training. Learn procedures and careers in patient care including clinical internship in health care facilities. Students who meet course requirements for Nursing Assistant Certified (NAC) qualify to complete the Washington National Nurse Aid Assessment Program (NNAAP). Upon successful completion, students may immediately enter employment in the health care industry and/or continue their post-secondary education.

**Course Equivalencies:** Health, Lab Science

Medical Careers

**Program Location:** WANIC Skill Center
Learn the language of doctors, nurses, and healthcare professionals. Skills you will learn: pediatric ambulatory care, surgical instrument prep, vital signs, treatment room procedures, CPR/First Aid, law and ethics, medical terminology, infection control, patient positioning, office practices including patient records.

**Course Equivalencies:** Health, Lab Science.
Program Location: Issaquah HS
In this advanced and accelerated course, students learn anatomy, physiology, medical terminology, First Aid/CPR, nutrition, injury prevention, rehabilitation competencies, taping, and wrapping through classroom instruction, lab participation and field internships.
Course Equivalency: Science