North Clackamas School District 12

SABIN-SCHELLENBERG

PROFESSIONAL TECHNICAL CENTER

50 YEARS OF EXCELLENCE THROUGH APPLICATION

Sabin-Schellenberg SSC PROFESSIONAL TECHNICAL CENTER

Visit our Website

CTE™ Learning that works for Oregon

2025-2026 COURSE CATALOG

CONTENTS

Every effort is made to ensure the accuracy of the information in this catalog at the time of publication. However, information and course offerings may change due to unforeseen circumstances.

Take Charge of YOUR Future at Sabin-Schellenberg Professional Technical Center where students learn..."Excellence through Application"

Professionalism Matters at SSC




OUR VISION:

The Sabin-Schellenberg Professional Technical Center vision "Excellence through Application" is evident in all of our programs. Students learn industry level skills and knowledge within a selected career area, then apply them using software, equipment and activities that mirror those in the world of work. Additionally, students in all programs practice and improve their professionalism skills such as productivity, teamwork, problem solving, and communication. Students may explore multiple career pathways by participating in a different program each semester or year, or students may choose to build skills and knowledge in one specific area of interest by taking a series of increasingly complex courses within one program of study.

OUR MISSION:

Educating passionate leaders through creative and relevant professional experiences

WE BELIEVE:

- All students can be successful
- Students need and want to be challenged
- Students need relevance to engage in their learning
- Sabin-Schellenberg helps students find themselves
- Students need a safe environment to learn
- Hands-on, performance-based learning fosters success for diverse learners
- Building today's and tomorrow's leaders is important work
- Sabin-Schellenberg can prepare each and every student to be career and college ready
- Career and Technical Education builds thriving communities

WE OFFER:

- Quality instruction in 17 career programs
- Meaningful and sequential focused programs of study
- An opportunity to earn college and high school credit at the same time in our programs
- Custom-designed career training that meets the needs and standards of business, industry and today's labor force
- Internships: available in some programs at advanced levels

College and Career-Ready with Oregon Pathways

Sabin-Schellenberg Professional Technical Center is learning that works. Sabin-Schellenberg Center offers career and technical education courses that prepare students for both college and career. Students explore career interests, develop technical skills, grow academically and gain the real-world experience they need to prepare for high-skill, high-demand, high-wage careers. SSC programs offer opportunities to reinforce students' abilities to use critical creative thinking skills, solve problems, work in teams, oversee projects, be responsible for outcomes, and strengthen and advance their technical skills.

SSC courses listed in this Course Catalog are organized into six distinct Career Pathways which provide context for academic, technical, and career learning for students:

Agriculture, Food & Natural Resources
Arts, Information & Communications
Business & Management
Health Sciences
Human Resources
Industrial & Engineering Systems

At SSC students discover their interests and passions. SSC empowers students to choose the education pathway that can lead to success in high school, college, and their chosen career.

"Sabin-Schellenberg Professional Technical Center's Career and Technical Education opportunities are available to all students, including federal protected classes and do not discriminate on any basis including but not limited to, an individual's perceived or actual race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, marital status, age, mental or physical disability, pregnancy, familial or economic status. Lack of English language skills will not be a barrier to admission and participation in Career & Technical Education programs at Sabin-Schellenberg Center. For inquiries regarding discrimination or the Americans with Disabilities Act (ADA), contact Sabin-Schellenberg Title IX and Title II coordinator: Ajai Huja (503-353-5941 hujaa@nclack.k12.or.us) or Section 504 coordinator: Lindsay Kane (503-353-5949 kanel@nclack.k12.or.us) 14211 SE Johnson Rd., Milwaukie, OR, 97267."

Course Prerequisites

Advancement into upper level courses is based on demonstration of proficiency in identified technical skills and application of industry safety and sanitation protocols. Prerequisites listed in this catalog using a course name (for example: "Prerequisites: Animal Science 1") require that the student must have demonstrated proficiency in the technical skills, drawn from Oregon Skill Sets, that have been identified for that course by industry advisors and SSC intructors.

Advanced College Credit

Did you know that you can earn college credit while in high school?

Talk to your instructor about applying for credit at one of the area community colleges. Information will be sent out in October to SSC students eligible for college credit.

SSC has agreements with:

- Clackamas Community College
- Lane Community College
- Linn-Benton Community College
- Mount Hood Community College
- Portland Community College

To apply for Advanced College Credit:

Visit the Sabin-Schellenberg Center website for information and registration instructions: Complete the application and register for the ACC course within the stated deadlines. (Fall, Winter or Spring).

Career Related Learning Experiences

Students in all SSC courses have the opportunity to complete career related learning experiences known as CRLE's. CRLE's are authentic, structured learning experiences that connect the curriculum directly to industry, work or post-secondary activities. All SSC students have the opportunity to complete CRLE's in CTE courses.

Course Fees

Where approved by the Board, there are classes at SSC that have fees. The purpose of course fees is to provide materials, supplies, and activities used to enhance the student's learning experience. Some fees can be reduced or waived for students who are on Free and Redued lunch when a waiver is on file with their home high school.

Credit for Proficiency

Students may earn credit in academic core subjects, e.g. science or language arts, while enrolled in SSC courses by demonstrating proficiency in the approved subject area. They will be required to submit a collection of work that documents learning experiences and shows their proficiency level. Students will earn credit and an A-F grade for demonstration of their knowledge and skills, well as a reflection on their learning. A final presentation may be required.

Courses with approved Credit for Proficiency are marked with a "CFP".

Internships

Students placed as interns at a school or community work site have demonstrated growth in specific occupational skills and have developed goals for continued progress. Students interested in an internship placement will demonstrate the skills necessary for entry-level employment and have the knowledge to make informed decisions about next steps in postsecondary choices, training, or employee advancement. Students sign an agreement that lists expectations and may use their own transportation to and from work sites. Internship sites may require a criminal background check, drug screen and/or vaccinations/immunizations prior to placement.

Work Based Learning

Sabin-Schellenberg programs provide students with opportunities for learning in the workplace and/or simulated workplace environment that include sustained interactions with industry or community professionals that foster in-depth, firsthand experience of the expectations and application of knowledge and skills required in a given career field. Work Based Learning opportunities may be in the form of an internship, clinical or practicum placement, service learning, cooperative work experience, school-based enterprise, pre-apprenticeship or workplace simulation. Courses in each SSC program build knowledge and skills which, combined with practice and on-going support from peers, staff and community partners, prepare students to confidently plan their own college and career pathway.

Student Leadership Organizations

Sabin-Schellenberg Center students may participate in organized leadership opportunities. **Membership fees may apply but should not be a barrier to your participation. Speak to your advisor if you are eligible for a waiver.**

ACE Mentor

ACE Mentor program gives high school students an exciting and informative way to learn about career possibilities in Architecture, Construction and Engineering. Students work in collaborative teams under the mentorship of experienced professionals. The program's mission is to enlighten and increase the awareness of high school students to career opportunities in architecture and engineering and related areas of the design and construction industry through mentoring; and to provide scholarship opportunities for students in an inclusive manner reflective of the diverse school population.

DECA

DECA is an international student leadership association for students interested in marketing, management, restaurant management and entrepreneurship. Participation in DECA builds self-confidence, problem-solving skills and professionalism. Students can explore careers in business, finance, entrepreneurship, hospitality and tourism, marketing, restaurant and quick serve restaurant management, food marketing and marketing sales and service. Students adopt the association's four core values of social intelligence, civic consciousness, leadership development and vocational understanding. DECA members participate in community service, conferences and competitions.

Digital Art Club

Digital Art Club is for students interested in art, graphic design, and illustration. We'll use Ipads to explore creative challenges, and generate art to be used on stickers, t-shirts, tote bags, and more. Our digital artists grow their skills using programs such as Procreate, Adobe Illustrator, and Photoshop. We meet every Thursday, and all levels of artistic and technological ability are welcome.

FFA

The National FFA Organization is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. SSC Agriculture program courses qualify students to participate in all local, state, and national FFA events/activities throughout the year as an official state and national FFA member. The North Clackamas FFA and Sabin-Schellenberg FFA Chapters engage students in real world learning activities ranging from exhibiting livestock to competing in a variety of leadership Career Development Events. The student-run organization strives to develop the whole student by encouraging participation in hands-on classroom learning, community service activities and completion of a Supervised Agricultural Experience project. Emphasized activities include but are not limited to:

- Agri-Science Research Projects
- Agricultural Sales
- Forestry Management
- Job Interview Skills
- Public Speaking
- Agribusiness Management

Future Natural Resource Leaders

Future Natural Resource Leaders (FNRL) is a student-run leadership organization that is responsible for the Forestry program's intra curricular activities. Officers are elected and regular meetings are held using parliamentary procedures. Activities include forestry competitions, field trips and fundraisers.

HOSA

HOSA is a student-run organization for all Health Sciences students. HOSA is focused on enhancing leadership skills, collaboration and community healthcare. "HOSA actively promotes career opportunities in the health industry and aims to enhance the delivery of quality health care to all people. Students have the opportunity to compete, research and present their bodies of work to be judged at state and international competitions.

Student Leadership Organizations

Robotics Club

Students interested in science, technology and robotics are welcome to join our Robotics Team. Students work in teams to build and program a robot to perform specific tasks against a field of other competitors. Design components or mechanisms, project management, programming, teamwork, cooperation and strategic thinking skills are learned. Students may qualify for college scholarships.

Scrub Club

Scrub Club is a student-run leadership program for Health Sciences level 1 students. Every month students gather to explore a variety of careers in the medical field. Health care professionals share their career experiences and provide hands-on activities for students from the Health Services program. Scrub Club emphasizes career opportunities, expectations, and professional qualities that are essential for success in the medical field.

SkillsUSA

SkillsUSA is a national nonprofit leadership organization serving middle, high school and college students who are preparing for careers in trade, technical, and skilled service occupations. This partnership of students, teachers and industry representatives work together to ensure America has a skilled work force. It helps each student excel. SSC Programs that participate in SkillsUSA include:

- Automotive Service Technology
- Building Construction
- Cosmetology
- Culinary Arts
- Electronics Technology
- Law Enforcement
- Manufacturing & Engineering

Agriculture

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
11	183020910	Intro Agriculture and Natural Resources	9-12	1 Per/Every other day	Year	1.0
11	180011910	Agricultural Science 1: Animal Science	9-12	2 Per/Every other day	Year	2.0
11	181011910	Agricultural Science 2: Vet & Ag Skills*	10-12	2 Per/Every other day	Year	2.0
12	183041910	Agricultural Science 3: Adv. Animal Sci. & Ag Business*	11-12	2 Per/Every other day	Year	2.0
12	180021910	Agricultural Science 4: Adv Ag Research*	12	2 Per/Every other day	Year	2.0
12	181481920	Agriculture Intern*	11-12	Varies	Semester	Varies

Architecture & Design

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
39	211021910	Architecture & Design 1	9-12	2 Per/Every other day	Year	2.0
39	211031910	Architecture & Design 2*	10-12	2 Per/Every other day	Year	2.0
39	211032910	Architecture & Design 3*	11-12	2 Per/Every other day	Year	2.0
39	211034910	Architecture & Design 4*	12	2 Per/Every other day	Year	2.0

Automotive Service Technology

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
40	201032920	Auto Upkeep	9-12	1 Per/Every other day	Semester	0.5
40	201031910	Automotive Service Technology 1	9-12	1 Per/Every other day	Year	1.0
40	201041910	Automotive Service Technology 2*	10-12	2 Per/Every other day	Year	2.0
41	201061910	Automotive Service Technology 3*	11-12	2 Per/Every other day	Year	2.0
41	201071910	Automotive Service Technology 4: Diesel*	12	2 Per/Every other day	Year	2.0

Broadcasting & Social Media

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
16	111013920	Intro Journalism	9-12	1 Per/Every other day	Semester	0.5
16	111012910	Advanced Journalism*	10-12	2 Per/Every other day	Year	2.0
15	110515920	Intro Content Creation & Social Media: Influencer	9-12	1 Per/Every other day	Semester	0.5
15	110511910	Content Creation & Social Media 1*	10-12	1 Per/Every other day	Year	1.0
15	110512910	Content Creation & Social Media 2*	11-12	2 Per/Every other day	Year	2.0
15	110513910	Content Creation & Social Media 3*	12	2 Per/Every other day	Year	2.0

Building Construction

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
42	020725910	Geometry in Construction	9-12	2 Per/Every other day	Year	2.0
42	170041910	Building Construction 1	9-12	1 Per/Every other day	Year	1.0
43	170042910	Building Construction 2*	10-12	2 Per/Every other day	Year	2.0
43	170043910	Building Construction 3*	11-12	2 Per/Every other day	Year	2.0
43	170491410	Building Construction 4*	12	2 Per/Every other day	Year	2.0

Business & Management/Marketing

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
21	121041910	Accounting 1	10-12	1 Per/Every other day	Year	1.0
21	121042910	Accounting 2*	11-12	1 Per/Every other day	Year	1.0
24	120521910	Marketing 1	9-12	1 Per/Every other day	Year	1.0
24	120522910	Marketing 2*	10-12	1 Per/Every other day	Year	1.0
22	120531920	Intro Business & Management: Entreprenuership	9-12	1 Per/Every other day	Semester	0.5
22	121641910	Business & Management 1: Business Entreprenuership	9-12	1 Per/Every other day	Year	1.0
22	121661910	Business & Management 2: Management Foundations*	10-12	1 Per/Every day	Year	2.0
23	120523910	Business & Management 3: Adv Projects*	11-12	1 Per/Every other day	Year	1.0
23	121991920	Business Internship: Student Store Leadership*	11-12	1 Per/Every other day	Semester	0.5

Cosmetology

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
31	191491920	Intro Cosmetology	9-12	1 Per/Every other day	Semester	0.5
31	TBD	Intro Barbering	9-12	1 Per/Every other day	Semester	0.5
31	191041910	Cosmetology 1	10-12	2 Per/Every other day	Year	2.0
32	191491910	Cosmetology 2*	11-12	2 Per/Every other day	Year	2.0
32	191492910	Cosmetology 3*	12	2 Per/Every other day	Year	2.0

Culinary Arts

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
25	160531920	Intro Culinary	9-10	1 Per/Every other day	Semester	0.5
25	160532920	Intro Culinary JS	11-12	1 Per/Every other day	Semester	0.5
25	160011910	Culinary Arts 1: Foundations*	10-12	2 Per/Every other day	Year	2.0
26	160571910	Culinary Arts 2: Restaurant Foundations*	11-12	2 Per/Every other day	Year	2.0
26	160521910	Culinary Arts 3: Restaurant Management*	12	2 Per/Every other day	Year	2.0
26	160522920	Culinary Intern*	11-12	Varies	Semester	Varies

*Prerequisite required for this course

Digital Design

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
17	102021920	2D Animation	9-12	1 Per/Every other day	Semester	0.5
17	111551910	Graphic Design 1	9-12	1 Per/Every other day	Year	1.0
17	111552910	Graphic Design 2*	10-12	2 Per/Every other day	Year	2.0
18	111553910	Graphic Design 3*	11-12	2 Per/Every other day	Year	2.0
18	111541920	Graphic Design Studio Intern*	11-12	Varies	Semester	Varies

Education

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
33	191531920	Survey of Children, Youth & Families	9-12	1 Per/Every other day	Semester	0.5
33	190511910	Working w/Preschoolers	10-12	2 Per/Every other day	Year	2.0
34	191531910	Careers in Early Childhood	10-12	1 Per/Every other day	Year	1.0
34	191513910	Careers in K-12 Education	10-12	1 Per/Every other day	Year	1.0
34	191521910	Education Practicum*	11-12	2 Per/Every other day	Year	2.0
34	191981910	Education Intern*	12	2 Per/Every other day	Year	2.0

Electronics Technology

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
44	210091910	Robotics 1	9-12	1 Per/Every other day	Year	1.0
44	171011920	Intro Electronics Technology	9-12	1 Per/Every other day	Semester	0.5
44	171061910	Electronics Technology 1: Analog Circuits*	10-12	2 Per/Every other day	Year	2.0
45	171491910	Electronics Technology 2: Digital Circuits*	11-12	2 Per/Every other day	Year	2.0
45	171492910	Electronics Technology 3: Adv. Robotics & Projects*	12	2 Per/Every other day	Year	2.0

Fire Science

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
35	TBD	Intro Fire Science	10-12	1 Per/Every other day	Semester	0.5

Forestry & Natural Resources

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
13	183020910	Intro Agriculture and Natural Resources	9-12	1 Per/ Every other day	Year	1.0
13	185021910	Forestry 1	10-12	2 Per/Every other day	Year	2.0
13	185041910	Forestry 2*	11-12	2 Per/Every other day	Year	2.0
13	185042910	Forestry 3*	12	2 Per/Every other day	Year	2.0

Health Services

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
28	140012910	Intro Health Sciences	9-10	1 Per/Every other day	Year	1.0
28	140021910	Health Sciences 1: Medical Terminology*	11-12	1 Per/Every day	Year	2.0
28	140011920	Health Sciences 2: Certification*	12	1 Per/Every other day	Semester	0.5
29	149992910	Health Sciences 2: Seminar*	12	2 Per/Every other day	Year	2.0
29	149991910	Health Sciences 2: Internship*	12	2 Per/Every day	Year	4.0

Law Enforcement

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
36	150532920	CSI	9-12	1 Per/Every other day	Semester	0.5
36	150011910	Law Enforcement 1	10-12	1 Per/Every other day	Year	1.0
37	152021910	Law Enforcement 2*	11-12	2 Per/Every other day	Year	2.0
37	150531910	Law Enforcement 3*	12	2 Per/Every other day	Year	2.0

Manufacturing & Engineering

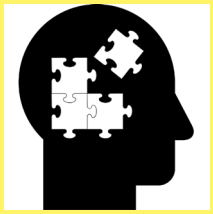
Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
46	132031920	Intro Manufacturing & Engineering	9-12	1 Per/Every other day	Semester	0.5
46	132021910	Machine Tool Technology 1	10-12	1 Per/Every other day	Year	1.0
46	211062910	Machine Tool Technology 2*	11-12	2 Per/Every other day	Year	2.0
46	132043910	Machine Tool Technology 3*	12	2 Per/Every other day	Year	2.0
47	132071910	Welding 1	10-12	1 Per/Every other day	Year	1.0
47	132022910	Welding 2*	11-12	2 Per/Every other day	Year	2.0
47	132073910	Welding 3: Qualification*	12	2 Per/Every other day	Year	2.0

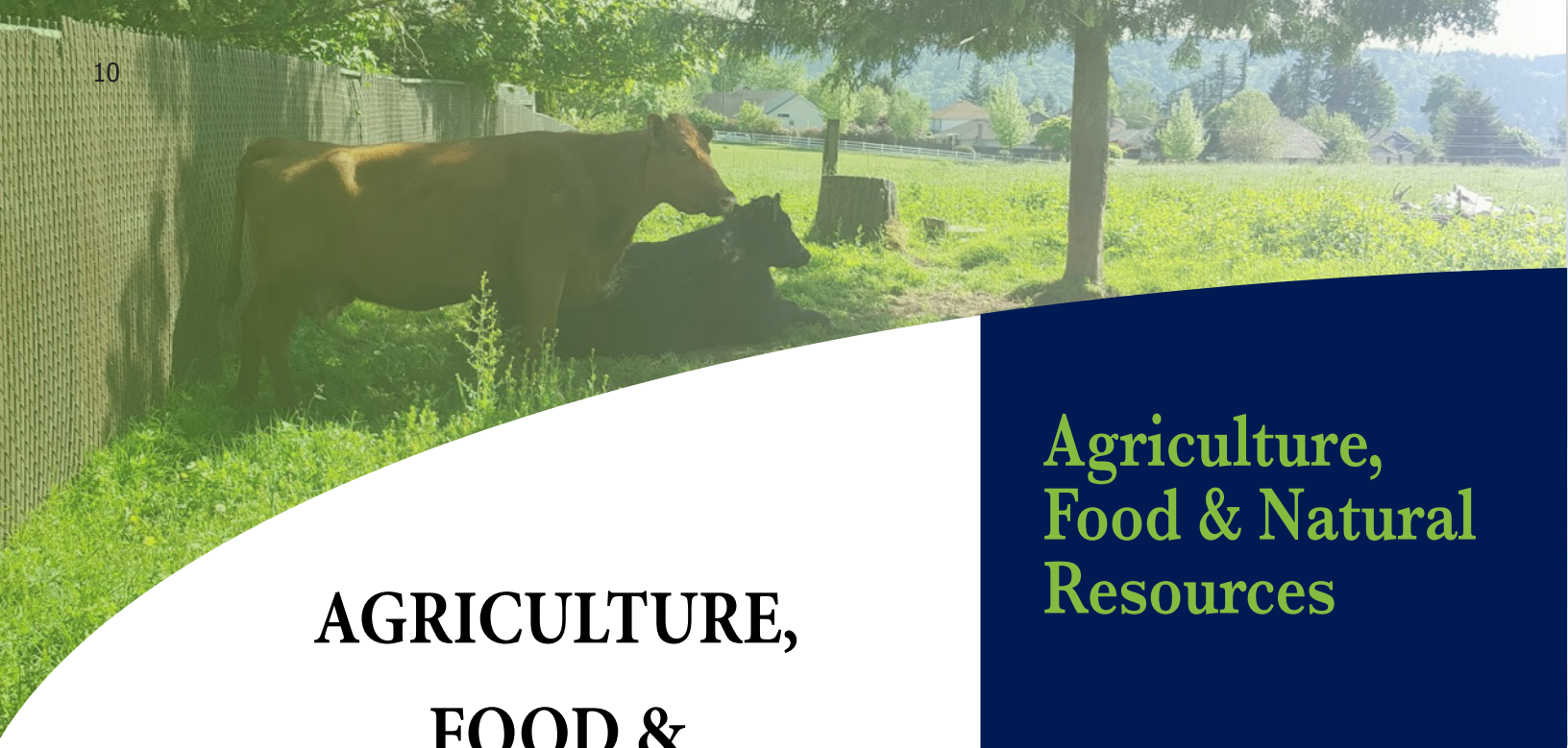
Programming & Coding

Pg #	Course #	Course Name	Grade	Frequency	Length	Credit
19	101601920	Intro Programming & Coding	9-12	1 Per/Every other day	Semester	0.5
19	101561910	Programming & Coding 1	9-12	1 Per/Every other day	Year	1.0
19	101562910	Programming & Coding 2*	10-12	2 Per/Every other day	Year	2.0

*Prerequisite required for this course

Sabin-Schellenberg Programs

Agriculture/Food & Natural Resources 	• Agriculture • Forestry
Arts, Information & Communications 	• Broadcasting & Social Media • Digital Design • Programming & Coding
Business & Management 	• Business & Management • Marketing • Culinary Arts
Health Sciences 	• Health Services
Human Resources 	• Cosmetology • Education • Fire Science • Law Enforcement
Industrial & Engineering Systems 	• Architecture & Design • Automotive Service Technology • Building Construction • Electronics Technology • Manufacturing & Engineering



AGRICULTURE, FOOD & NATURAL RESOURCES

If you enjoy...

- Working outdoors with plants, animals, or nature
- Helping others understand and enjoy their natural surroundings
- Learning about and managing our forests, parks, and wildlife
- Growing plants or animals to supply people with food
- Observing, investigating, analyzing, or solving problems related to plants, animals or nature

Agriculture, Food & Natural Resources

HIGH WAGE HIGH DEMAND CAREERS

Agriculture Educator
Animal Nutritionist
Crop Production Agronomist
Farm & Ranch Manager
Zoologist
Veterinarian
Wildlife Biologist

Tree Trimmer & Pruner
Arborist
Forester
Logging Equipment Operator
Environmental Scientist
Conservation Scientist

2018 - Oregon Employment Department

AGRICULTURE

Intro Agriculture & Natural Resources 183020910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

This course is intended for 9th-grade students and serves as the introduction and foundation course toward advanced courses and pathways in agriculture, animal and plant sciences, forestry, and natural resources. Taught on the Sabin campus, topics include "hands-on" application in areas of the agriculture industry, natural resources, wildlife management and forestry practices, animal science, food science, plant science, and horticulture as well as record keeping, leadership, and personal growth development. Participation in FFA and FNRL student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Ag Science 1: Animal Science 180011910

Grades:	9, 10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2

An introduction and foundational course in agriculture, this course is taught on the Land Lab, a 10-acre school farm that includes barns, livestock, greenhouses, an orchard, and pastures. Topics include "hands-on" application in areas of the agriculture industry including animal science, food science, plant science, and horticulture as well as record keeping, leadership, and personal growth development. Participation in FFA student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Ag Science 2: Vet & Ag Skills 181011910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Ag Science 1: Animal Science or Intro Agriculture & Natural Resources

Focuses on animal care and skills used in the veterinary field. This class is taught on the Land Lab, a 10-acre school farm that includes barns, livestock, greenhouses, an orchard, and pastures. Study biological systems, comparative anatomy, laboratory procedures, soil and plant sciences. Record keeping, sales, and agribusiness management skills are included in the curriculum. Participation in FFA student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

"Animal Science has given great academic and real-life growth opportunities, and it has made me feel more prepared for a career surrounding agriculture and animals." *-- Shayla CHS, 11 --*

AGRICULTURE

> **The best part about this class is that the diverse curriculum creates future scientists, agriculturists, teachers, entrepreneurs, business leaders, and premier professionals in many career fields. Personally, my participation in this class and in the FFA has made me a better leader and taught me many career skills that I will use to become a veterinarian.**
>
> *-- Isabelle CHS 12 --*

Ag Science 3: Adv. Animal Science & Ag Business 183041910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Ag Science 2: Vet & Ag Skills
College Credit:	Yes
CFP:	Science (see description)

Taught on the Land Lab, students develop a deeper understanding of food, animal, and plant production cycles, including reproduction, and biotechnology. Farm Business Management concepts are taught and applied to the farm setting. Students study and conduct research in animal food and nutrition, genetics and reproduction, biotechnology, and animal health. Life science credit requires completion of Animal Science 3 and Adv. Ag Research. Participation in FFA student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Ag Science 4: Adv Ag Research 180021910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Agricultural Science 3: Adv Animal Sci & Ag Business
College Credit:	Yes
CFP:	Science (see description)

Taught on the Land Lab, students learn business management skills and computer applications used in the agriculture industry: decision-making, goal setting, budgeting, financial analysis, sales, marketing, and scientific research. Farm Business Management concepts are taught and applied to the farm setting. Life science credit requires completion of Animal Science 3 and Adv. Ag Research. Participation in FFA student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Agriculture Intern 181481920

Grades:	11, 12
Frequency:	Varies
Course Length:	Semester
Credits:	Varies

Students apply teamwork, communication, problem solving, time management, employment foundations, and career development. Internship opportunities may be located at the school farm or off site.

FORESTRY & NATURAL RESOURCES

Intro Agriculture & Natural Resources 183020910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

This course is intended for 9th-grade students and serves as the introduction and foundation course toward advanced courses and pathways in agriculture, animal and plant sciences, forestry, and natural resources. Taught on the Sabin campus, topics include "hands-on" application in areas of the agriculture industry, natural resources, wildlife management and forestry practices, animal science, food science, plant science, and horticulture as well as record keeping, leadership, and personal growth development. Participation in FFA and FNRL student organization activities is an integral course component for leadership development, career exploration, and reinforcement of academic concepts.

Forestry 1 185021910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
College Credit:	Pending

Introduces a wide range of natural resources careers. Course instruction includes how to operate forestry related tools and equipment including chainsaws, identify tree species, use navigation tools and read maps. Students discover the importance of balancing economic, social and environmental needs with finite natural resources. Students may participate in forestry related competitions. Leadership opportunities through the Future Natural Resource Leaders (FNRL) and the FFA include debate, community service, and public speaking. Coursework takes place in a classroom, outdoors, and offsite. Outdoor clothing is required.

> **Forestry showed me a lot about myself and taught me many valuable career skills in my three years with the program, all while I made some of the best memories of my life.**
>
> *--Austin MHS 12--*

Forestry 2 185041910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Forestry 1

Continues to develop skills learned in Forestry 1, with added emphasis on theory and scientific principles. The majority of class instruction is outdoors and hands-on. Students learn from and work with natural resources and forestry industry professionals, both on and off campus. Students participate in the Sabin-Schellenberg Future Natural Resource Leaders and FFA with an emphasis on leadership and career skills. Outdoor clothing is required.

Forestry 3 185042910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Forestry 2
Internship:	Yes

Advanced Forestry 3 students demonstrate learning in a supervised simulated work environment, applying previously learned techniques. Working with industry professionals, students engage in self-directed projects. Students participate as leaders in the Sabin-Schellenberg Future Natural Resource Leadership organization and FFA, focused on premier leadership, personal growth and career success. Outdoor clothing is required.

ARTS, INFORMATION & COMMUNICATIONS

Do you like...

- Expressing ideas and feelings visually, verbally, musically, or physically
- Speaking or perfoming in front of others
- Creating through use of multiple platforms
- Using your imagination or creativity for work
- Interested in music, theater, creative design, photography, writing, and/or video production

Arts, Information & Communications

HIGH WAGE HIGH DEMAND CAREERS

Producer & Director
Public Relations Specialist
Technical Writer
Multimedia Artist

Art Director
Animator
Graphic Designer
Web Developer

Computer Programmer
Software Developer
Game Developer
App Developer

BROADCASTING & SOCIAL MEDIA

Intro Content Creation & Social Media: Influencer 110515920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Ever wonder how your favorite Tik Tok or YouTube personality does what they do? Ever want to be an influencer yourself? If so, this is the class for you. Students will learn the tricks and techniques behind some of the most viewed and consumed content, then produce some of their own. In addition, students will meet social media influencers (in person and online) and have mentoring opportunities to improve their work.

Content Creation & Social Media 1 110511910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
Prerequisite:	Intro Content Creation & Social Media: Influencer

Imagine producing your own song from scratch, then creating the music video to go with it and building an audience for your work on YouTube. Or starting a photography business, advertising your services and documenting the journey through Instagram. Or filming a reality show about, well, a reality show. There's no limit to the creativity in this class; choose your dream project and pursue it through an entire semester, from concept through production and social media promotion.

> **I love being a cameraman. To be able to shape an idea. To have the power to shape an image - it fills me with power!**
>
> *-- Mauricio CHS 12 --*

Content Creation & Social Media 2 110512910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Content Creation & Social Media 1
College Credit:	Yes

Building on the skills students gain in "Content Creation & Social Media 1," this class allows creators to deepen their production and storytelling skills, and to take on a supervisory and consulting role with their peers' projects in addition to their own.

Content Creation & Social Media 3 110513910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Content Creation & Social Media 2
College Credit	Yes
Internship:	Yes

Students continue to deepen their production and storytelling skills - but with an eye on college and careers in media. Internships are available in the second semester. When applicable, students will work with their peers in Advanced Journalism on various projects.

BROADCASTING & SOCIAL MEDIA

Intro Journalism 111013920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Curiosity, an open mind and a commitment to truth and accuracy are prerequisites for this class, which focuses on fundamentals required to uncover and report stories fit for publication. A love of writing is not mandatory, but it will serve you well. From constructing "ledes" to writing editorials and identifying authoritative sources, students will learn the basics of journalism. This course is not devoted to journaling or creative writing, but rather to nonfiction storytelling. Class may be repeated for credit.

> **I was really interested in journalism and writing. I took AP English and wanted to tell my story.**
>
> *-- Alexandria CHS 12--*

Advanced Journalism 111012910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Intro Journalism
College Credit:	Yes

Boosted by the skills learned in "Intro to Journalism," students serve as reporters, editors, multimedia producers and photographers for the district's online publication, The Compass. The Journalism room is transformed into a hub where students discuss story topics, share writing tips, develop interview tactics, and much more. Students will work independently, which may require some work outside of class. Everyone serves a role in this newsroom — teamwork is critical. Class may be repeated for credit.

DIGITAL DESIGN

2D Animation 102021920

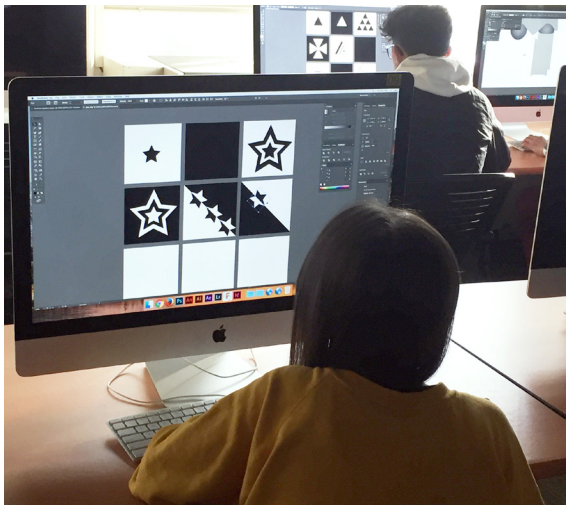
Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

2D Animation is a course for storytellers and artists of all levels. Through digital art and design we explore the same animation techniques used by professional animators. Make a character walk, a ball bounce and more using Adobe Animate. Students will learn how to apply tweens, use panning effects, create scene transitions, and rig a character. For their final project, students develop storyboards, backgrounds, and characters as they build their own animated short film. 2D Animation students learn the tools they need to bring images and stories to life, and expand their understanding of design, digital illustration, and visual communication.

Graphic Design 1 111551910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
College Credit:	Yes

Create visual solutions to communication problems. Students learn and use Adobe Illustrator, InDesign and Photoshop to create graphic layouts, posters, logos, signage, and a variety of other projects. Process is emphasized in this course through the exploration of a variety of design challenges replicating a design based work environment.



Graphic Design 2 111552910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Graphic Design 1
College Credit:	Yes

Students continue to explore the field of digital & graphic design by working on a combination of independent and team based projects. They will develop skills in different types of design applications using vector and pixel based formats to develop various products such as stickers, textiles, 3-D printing and web applications. Students will work with real clients and have the opportunity to interact with and receive feedback from practicing design professionals.

“After participating in this program I love working with all of the Adobe programs (Photoshop, Illustrator, InDesign, and Lightroom). With the guidance of this program I have decided that this is what I want to do for my career. My education in the graphic design program helped solidify my passion for the digital arts while also preparing me with the skills to work well with others, problem solve, and meet deadlines.”

-- Malia CHS 12--

DIGITAL DESIGN

Graphic Design 3 111553910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Graphic Design 2

Students continue to expand knowledge and skills developed in prior Digital Design classes while producing a web-based digital portfolio of quality projects and prototypes. They will take a leadership role in the Digital Design program by managing design and development teams working on real projects for clients. This year-long course will culminate with a self-determined design project that incorporates Illustrator, Photoshop and InDesign in their digital portfolio.

> **I always wanted to create artwork digitally but had no idea where to start. Adobe Illustrator and Photoshop is hands down the best software to learn. You'll meet amazing clients that will use your artwork outside of school. My advice is to always ask questions of your client so that you can gain a better vision of what your artwork will be.**
>
> *-- Ivan CHS 12 --*

Graphic Design Studio Intern 111541920

Grades:	11, 12
Frequency:	Varies
Course Length:	Semester
Credits:	Varies
Prerequisite:	Graphic Design 2 or 3

Teamwork, communication, problem-solving and productivity are applied in building employment and career foundations. Interns are expected to interact with clients and complete projects on time as part of a student-based enterprise that provides design services within the school, the district and surrounding community or through a personally designed curriculum to connect the student to a specific area of interest. Intern design work will become part of an online portfolio for future use in career and college applications.

PROGRAMMING & CODING

Intro Programming & Coding 101601920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Start with block-based programming through Code.org, MIT Scratch and MIT App Inventor to create apps, animation and games. Learn how to make computers work together, how to use the design process, logic and debugging and how these skills relate to careers in video game, app and web development and information technology.

Programming & Coding 1 101561910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

Students in Programming & Coding 1 learn the computer programming language Python through CodeHS and apply it to problem solving with computers. Start with learning commands that translate into code, then move on to writing code. Explore careers that use programming or coding. Having background knowledge in block coding, commands and terminology is helpful, but not required.

Programming & Coding 2 101562910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Programming & Coding 1

Programming and Coding 2 focuses on further developing computational thinking skills through the medium of Android™ App Development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems by designing and implementing user interfaces and Web-based databases. This course aligns with the AP Computer Science A Exam. This curriculum prepares students for many cutting-edge technology based careers, including video game development, app development, web development, and information technology. Transferrable skills developed in this course include the use of the design process, logic, debugging, and client-based communication. Related content areas include electrical engineering, digital animation, and computer aided design.

> **Whenever I do coding assignments, they don't seem like work. You don't even realize you're learning until you see how far you've come.**
>
> *-- Josh MHS 12 --*

BUSINESS & MANAGEMENT

If you enjoy...

- Planning and running the activities of an organization
- Working in structured environments with clear guidelines or rules
- Doing detail work with numbers or words in an organized and efficient manner
- Persuading or convincing others of your point of view
- Leading others to accomplish goals of the organization
- Marketing products or ideas to others
- Planning meals and finding interesting ways to prepare or cook food

Business & Management

HIGH WAGE HIGH DEMAND CAREERS

Accountant
Advertising Agent
Buyer
Entreprenuer
Market Research Analyst
Marketing & Sales Manager
Publicist
Sales Representative

Food Service Manager
Purchasing Manager
Food Science Technician
Chef & Head Cook
Meeting, Convention, Event Planner

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BUSINESS & MANAGEMENT

Accounting 1 121041910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
College Credit:	Yes

In this class, you'll learn the basics of how money is tracked and managed. You'll discover how businesses keep records of what they earn, spend, and save. We'll cover topics like income, expenses, budgeting, and simple financial reports. You'll also practice organizing numbers, solving real-world money problems, and understanding how businesses make smart financial choices. This course is a great way to build skills and practice through problem-solving, and decision-making. By the end, you'll have a solid foundation in accounting and a better understanding of how money works in the real world. No prior knowledge is needed—just bring your curiosity and a willingness to learn.

Accounting 2 121042910

Grades:	11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
Prerequisite:	Accounting 1
College Credit:	Yes

Accounting 2 builds on what you learned in Accounting 1 and takes your skills to the next level. In this course, you'll dive deeper into managing money for businesses, including advanced bookkeeping for companies that sell products or services. You'll learn how to handle accounts for larger inventories, prepare more detailed financial statements, and manage payroll. We'll also cover topics like taxes, long-term assets, and liabilities. This course focuses on understanding how businesses grow and how financial information helps with decision-making. By the end, you'll have the tools to tackle more complex financial tasks and feel confident working with advanced accounting processes and how to solve financial puzzles.This course is perfect for anyone who has completed Accounting 1 and wants to explore Finance and Accounting Careers and go beyond the basics.

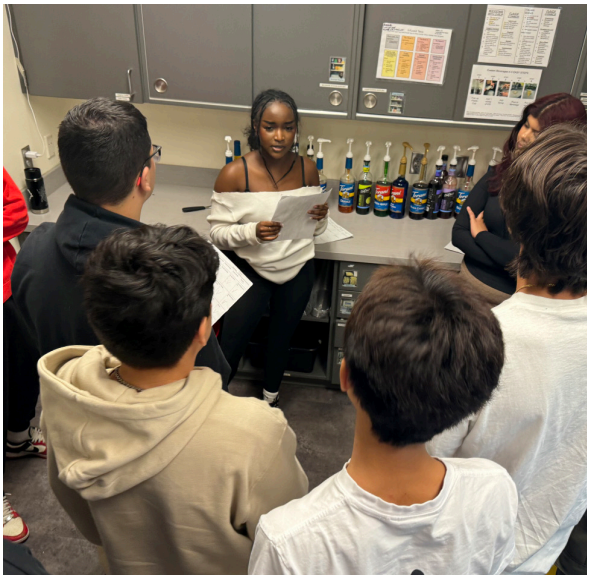
> **I took Accounting 1 & 2 because everybody needs to know how to do accounting for their taxes. The material we learn in this class builds on the previous lessons so every class I am building on my knowledge. In advance accounting we are working on real life applications that I can see myself referring to in the future**
>
> *-- Phi ANHS 12 --*

BUSINESS & MANAGEMENT

Intro Business & Mgmt Entreprenuership 120531910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

In this beginner-friendly, one-semester course, you will learn the basics of starting and running your own business, including business planning, finance and accounting, marketing, and more. You'll explore how businesses operate and develop skills in project management, teamwork, and problem-solving. Through hands-on activities, you'll build creative thinking and leadership skills while discovering what it takes to succeed in the world of business. This intro-level class prepares you for our more advanced business courses and helps you grow skills for life, college, and your future career.



"I love the business program because it has taken me to so many new places, allowed me to meet so many new people, and grown my confidence, leadership, and professionalism skills."

-- Jennifer MHS 11 --

Business & Mgmt 1: Business Administration Foundations 121641910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
College Credit:	Yes

Discover the exciting world of business and management in this beginner-friendly, but year-long, college-level course. You'll get a big-picture look at how businesses work while learning about key topics like strategic planning, operations, marketing, human resources, finance, and business communications. Students will practice real-world business skills by working in the Schellenberg student store, Bizmart. Here, you'll learn customer service, cash handling, using a cash register, and managing inventory, all skills that will prepare you for your first job. You'll also explore how projects are planned, products are created, quality is maintained, and risks are managed through project-based learning. Students who do well in Business 1 can move on to Business 2.

Business & Mgmt 2: Management Foundations 121661910

Grades:	10, 11, 12
Frequency:	1 period -- every day
Course Length:	Year
Credits:	2
Prerequisite:	Business & Mgmt 1: Business Administration Foundations
College Credit:	Yes
CFP:	Language Arts (see description)

Step into the role of a business leader by managing a department at our Schellenberg student store, Bizmart. You'll apply and interview for a management team, and then create plans, research marketing ideas, design promotions, manage inventory, and analyze finances for our real student-run business. In this course, you'll also develop your own leadership style while building teamwork, communication, problem-solving, and productivity skills through hands-on projects in each business activity. You'll learn important job search tips, personal finance skills, and how to create detailed business plans and proposals. This class helps you get ready for life, college, and a future career in business leadership, and successful completion prepares you for Business 3 OR Business Internship.and career skills. Students must have a valid Oregon Food Handler's Card.

BUSINESS & MANAGEMENT

> **Advanced is so student-led. There isn't a specific curriculum that you're going off of, it's like college and I have to figure it out myself. I'm working on a school based enterprise project about the operations, distribution and marketing sides of the student store.**
>
> *-- Abby G. CHS 12--*

Business & Management 3: Advanced Projects 120523910

Grades:	11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
Prerequisite:	Business & Management 2: Management Foundations
College Credit:	Yes
CFP:	Language Arts (see description)

Continue your leadership journey with this course designed for DECA participants and committed business students who want to grow their business and management skills. You'll follow a personalized curriculum that lets you learn at your own pace while practicing standard business techniques, writing professional reports, and managing big projects on your own and in teams. Using advanced DECA guidelines and project management strategies, you'll turn ideas into real-world experiences, often working with local businesses and industry partners. Show off your skills through DECA events and competitions like the Virtual Business Challenge, School-Based Enterprise competition, and the State and International Career Development Conference.

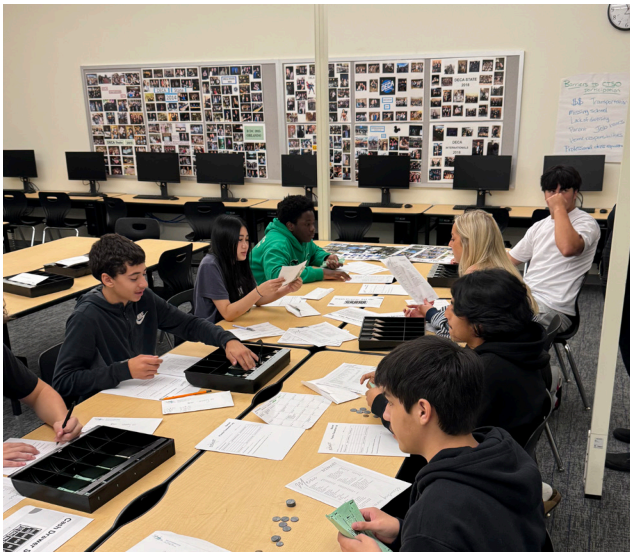
Business Internship: Student Store Leadership 121991920

Grades:	11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5
Prerequisite:	Business & Management 2: Management Foundations
College Credit:	Yes
Internship:	Yes

This course is for students who have successfully completed Business & Management Levels 1 and 2, by teacher recommendation. You'll take on the exciting role of a supervisor in our on-campus, student-run business, Bizmart, and explore small business management. You'll use key concepts like teamwork, communication, problem-solving, and collaboration to mentor and manage our Business 1 students, helping train, supervise, and evaluate them in order to practice your human resource skills. With support from an experienced industry professional, you'll connect classroom learning to real-world leadership and team-building experiences for our beginning business learners.

BUSINESS & MANAGEMENT

> **Advanced is so student-led. There isn't a specific curriculum that you're going off of, it's like college and I have to figure it out myself. I'm working on a school based enterprise project about the operations, distribution and marketing sides of the student store.**
>
> *-- Abby G. CHS 12--*



Marketing 1 — 120521910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

Dive into the fast-paced world of marketing with this year-long course designed to provide students with a strong foundation in marketing principles and practices. This course offers students an in-depth look into the dynamic world of digital marketing, branding, advertisements, and strategic partnerships across product and service industries. Students will delve into marketing concepts, strategies, and models, learn the art and science of building powerful brands, and understand the essential tools of market research that drive strategic business decisions.

Marketing 2 — 120522910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
Prerequisite:	Marketing 1
College Credit:	Yes

Take your marketing skills to the next level with Marketing 2. This course builds on skills learned in Marketing 1 and emphasizes the essential elements of effective communication, presentation, and collaboration within a marketing context. Students will explore the advanced principles of persuasive communication in marketing, master the art of creating comprehensive business proposals, and learn the dynamics of working in cross-functional teams. They will also acquire project management strategies used within most business environments. By the end of this course, you will have advanced communication skills and an understanding of how to strategize, present, and collaborate within a cross-functional team.

CULINARY ARTS

Intro Culinary Arts 160531920

Grades:	9, 10
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Introduces the basic cooking skills used in food industry careers as well as everyday life. Students will obtain an Oregon Food Handler's Card in this course. The Oregon Food Handler's Card is required to take additional Culinary Arts courses. Students learn basic baking skills, culinary vocabulary, recipe conversions, restaurant concepts and menu planning. Other topics taught in this course include: Food safety and sanitation, proper use of commercial kitchen equipment, knife skills and knife safety, and basic nutritional food consumption concepts.

Intro Culinary Arts for Juniors/Seniors 160532920

Grades:	11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

This Intro Culinary course (described above) is for Juniors and Seniors. The focus of this course prepares students to meal plan, shop for groceries, and prepare nutritious food.

Culinary Arts 1: Foundations 160011910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Intro to Culinary Arts, Oregon Food Handler's Card
College Credit:	Yes

Students will begin to build a foundation of culinary skills and knowledge by focusing on eight specific culinary units including cooking methods, sauces and plate composition, advanced baking and patisserie, garde manger, hotel and restaurant management, dining room service, nutrition, international cuisine, and catering. Within these units students will practice fundamental skills such as safety and sanitation, knife skills, weights and measures. Students learn high level skills such as costing, laminate doughs, meat fabrication and processing. Students explore many different career opportunities and develop employability skills by practicing professionalism and interacting with industry professionals.

"I love the leadership possibilities, I am passionate about baking and I enjoy competition, and participating in SkillsUSA helped me improve my communication, teamwork and leadership skills.... to be put in an environment where you have to compete as well as learn and meet new people helps you develop a better lifestyle in the long run."

-- MaKenna MHS 12 --

CULINARY ARTS

Culinary Arts 2: Restaurant Foundations 160571910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Culinary Arts 1: Foundations and Oregon Food Handler's Card
Internship:	Yes

Students build on the fundamentals of food production, meat fabrication, menu development, professionalism, time management and safety and sanitation in a full service deli/diner and catering company open daily for breakfast and lunch. Students will rotate through the six stations in Sabin Deli learning customer service and point of sale systems; desserts and pastries, food preparation, produce daily lunch specials, and work multiple stations cooking hot food from scratch to-order. Students will also learn high volume food production and presentation as they cater events in the school district and around the community. Students will be exposed to guest speakers from industry and postsecondary education and field trips as they explore careers in the food and hospitality industry. Students are required to maintain a valid Oregon Food Handler's Card.

Culinary Arts 3: Restaurant Management 160521910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Culinary Arts 2: Restaurant Foundations and Oregon Food Handler's Card
Internship:	Yes

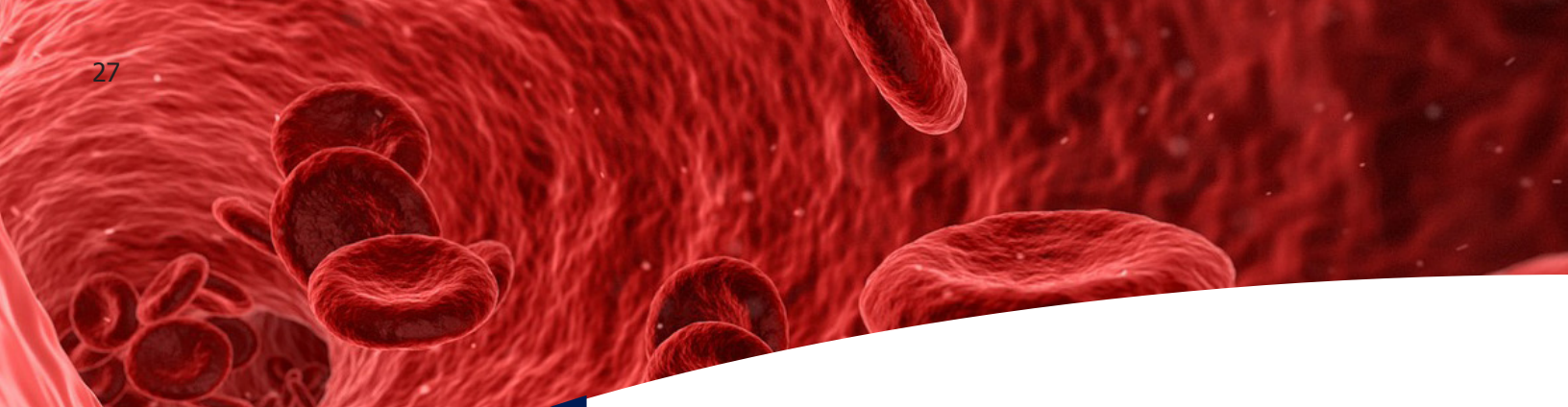
In a management role, students are responsible for the training and supervision of Level 2 students as they progress through the various stations in the daily operation of Sabin-Deli. Level 3 students assist with special projects such as large scale catering events and the daily flow of kitchen operation as well as the development and completion of a senior project focused on community service and/or improving the educational experience of future students taking the class. Students are required to maintain a valid Oregon Food Handler's Card.

Culinary Intern 160522920

Grades:	11, 12
Frequency:	Varies
Course Length:	Semester
Credits:	Varies
Prerequisite:	Culinary Arts 1: Foundations and Oregon Food Handler's Card
Internship:	Yes

Interns work in the on-campus Culinary Arts food service facilities. Teamwork, communication, problem-solving, and productivity are applied in building employment and career foundations. Students are required to maintain a valid Oregon Food Handler's Card.

> **My parents are very proud that I took culinary and can show them how to cook different recipes and can cook at home for them.**
>
> *--Delores MHS 12 --*



Health Sciences

HIGH WAGE
HIGH DEMAND
CAREERS

Dentist
Dental Hygienist
Pharmacist
Physician & Surgeon
Physician's Assistant
Registered Nurse
Nurse Practitioner
Veterinarian

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HEALTH SCIENCES

If you are interested in...

- Reading and learning about medical problems
- Investigating or analyzing scientific questions
- Learning how the body works
- Preventing or correcting health related issues
- Using science to solve medical problems
- Teaching and working with people to take care of their health

HEALTH SERVICES

Intro Health Sciences 140012910

Grades:	9, 10
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

Focuses on helping students decide if they want to pursue a career in the medical field. Units include history of health-care, general overview of human body systems, introduction to vital signs, medical terminology, safety issues, medical asepsis, proper use of medical equipment and aging. Students may not enroll in Survey of Health Sciences and Health Care Trends concurrently.

What separates health science instructors from typical teachers is the compassion and care they invest in their relationships with their students. At Schellenberg, it feels more like a family than a classroom. Everyone here wants to see you win, and that's just not something you come across at other schools. My teachers at Schellenberg care about my growth beyond the four walls of the classroom. Not only am I enriched with knowledge daily, but I also receive personal and professional advice that enables me to be the best version of myself. --

-- Lydia CHS 12 --

Health Sciences 1: Medical Terminology 140021910

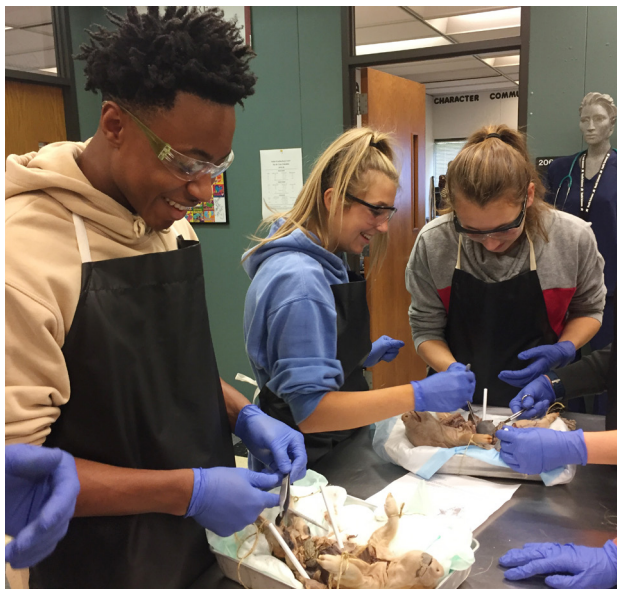
Grades:	11, 12
Frequency:	1 period -- every day
Course Length:	Year
Credits:	2
Prerequisite:	Intro Health Science
College Credit:	Yes

Develops knowledge of medical terminology, human body structures and functions, microbes and diseases, and basic health care skills such as assessing vital signs. Build a knowledge base that supports all levels of further medical study. Health care professionals and guest speakers visit the classroom and share their journey and career pathway options.

Health Sciences 2: Certification 140011920

Grades:	12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5
Prerequisite:	Health Science 1: Medical Terminology

This course offeres students the chance to earn industry-recognized certifications in EKG Technician, Pharmacy Technician, or Basic Life Support (BLS) for Health Care Providers. Students will gain hands-on experience and training in key health care skills, preparing them for certification exams and entry-level positions in the health care field .



HEALTH SERVICES

Health Sciences 2: Internships 149991910

Grades:	12
Frequency:	2 periods -- every day
Course Length:	Year
Credits:	4
Prerequisite:	Health Sciences 1: Medical Terminology
College Credit:	Yes
Internship:	Yes

The first eight weeks of this course focuses on patient care skills needed at internship sites. Students further explore career choices in-depth. Students are assigned to locations in the community for specific clinical internship experiences based on their career choice: physical therapy, surgical technology, diagnostic imaging, dentistry, nursing, obstetrics, veterinary medicine, respiratory therapy at multiple health care sites. Students may have opportunities to complete industry certificates such as Certified Nursing Assistant 1, Pharmacy Tech. and/or EKG Tech. Additional immunizations, criminal background check and drug screen are required by internship sites.

Health Sciences 2: Seminar 149992910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Health Sciences 1: Medical Terminology
College Credit:	Yes

This course focuses on health care skills: CPR and First Aid certification, care and prevention of injuries, and wellness. Students learn about specific skills such as measuring vital signs, administration of First Aid and CPR, AED use, splinting, taping and casting. Whole body wellness, the anatomy and physiology of injury, and injury rehabilitation methods are explored.

In the Health Science Department, the staff are mentors who strive to invest in student's academics and well-being, while also creating relationships that last a lifetime. Their love for healthcare extends way beyond the classroom, as they want to provide this younger generation with a purpose to live with empathy and want to care for others.

-- Madie NHS 12--

Human Resources

HIGH WAGE HIGH DEMAND CAREERS

Hairstylist
Manicurist/ Pedicurist
Cosmetologist
Skincare Specialist

Special Education Teacher
Social Worker
Teacher
Play Therapist

Firefighter
Police Dispatcher
Fire Dispatcher
Ambulance Dispatcher

Correctional Officer & Jailer
Defense Attorney
Federal Law Enforcement
Patrol Officers

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HUMAN RESOURCES

Do you enjoy...

- Helping others learn new things or acquire information
- Providing help or services to others
- Exploring how children, teens or adults learn new information or skills
- Learning about the law and our legal system
- Studying or assisting in family relations, child care, or human development
- Understanding how society works together and solves problems
- Helping people when they are in crisis or under stress

COSMETOLOGY

Intro Barbering TBD

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

This hands-on course is designed to teach the fundamental skills of barbering. Students will practice essential techniques such as clipper cuts, fades, scissor work, and more. Emphasis is placed on mastering proper tool handling, precision, and attention to detail. The course also includes instruction on sanitation, station setup, and maintaining a professional barbering environment. Whether you're new to barbering or have some experience, this class provides the foundation you need to refine your craft.

Intro Cosmetology 191491920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Discover the exciting world of cosmetology in this beginner-level course! Learn about nail care and nail art, skin care (esthetics), hair styling, hair color, and braiding techniques. Students will explore color theory, thermal styling, and creative long-hair designs while gaining hands-on experience with natural hair care and braiding. Perfect for those who want to start their journey in the beauty industry or simply learn new skills for self-care and creative expression.

> **Confidence plays the biggest role in one's performance, and what you learn at SSC will give you confidence.**
>
> *--Jennifer O. MHS 11 --*

Cosmetology 1 191041910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Intro Cosmetology recommended

Focuses on basic instruction and hands-on training in hair design (haircutting, styling, coloring and highlighting), esthetics (skin care and makeup) and nail technology (manicures and pedicures). Course includes lectures, lab and clinic time. Students practice services on mannequin heads and classmates. Students will explore the cosmetology industry with these activities: guest speakers and presentations from industry professionals and beauty schools, Guest Days (students practice on a guest), and Theatrical Hair Day. *Students earn hours toward licensure that may transfer to local beauty schools.*

COSMETOLOGY

> **You can figure out what you want to do, whether it's nails, hair or whatever you like to do best. I'm leaning toward hair. I want to start off in a salon to get a feel for how it works and then own my own salon and have people come see me.**
>
> *-Brooke B.. MHS 11 --*

Cosmetology 2 — 191491910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Cosmetology 1
College Credit:	Yes

Further develops the study of hair design and theory (coloring and permanent waving), esthetics and nail technology, practical application. Important management skills including client relationships, how to build a clientele, professional behavior, customer service, product knowledge and bookkeeping are introduced and practiced in a salon setting. Quarterly field trips are taken to local beauty schools. Industry professionals are periodically invited as guest speakers. The Salon is open to the public once a week. *Students earn hours toward licensure that may transfer to local beauty schools.*

Cosmetology 3 — 191492910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Cosmetology 2

This course is geared toward students who wish to pursue a career in Cosmetology. Students will refine skills and techniques learned in Cosmetology 2. Salon management skills and marketing are learned. Quarterly field trips are taken to local beauty schools. Students at this level have a larger responsibility in the management of the salon. The salon is open to the public once a week. *Students earn hours toward licensure that may transfer to local beauty schools.*

EDUCATION

Survey of Children, Youth & Families 191531920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

This course is for students interested in careers with children, youth, and families. Through hands-on activities such as caring for Reality Infants, investigating and creating toys, and developing story-based activities for kids, students explore childhood development and care-based careers. This class is not required to take other classes in the education program.

Working with Preschoolers 190511910

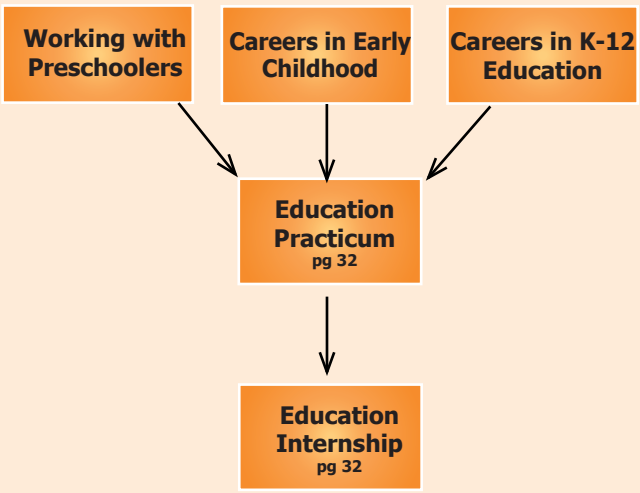
Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2

Students assist in a lab preschool setting at the Early Learning Center with 3, 4 and 5 year olds while exploring human development, professionalism, guiding behavior, health and safety, learning environments and preschool curriculum. These concepts support working with children and youth, birth through adolescence. Students have an opportunity to receive certification for an Oregon Food Handler's Card. This course offers certification in the Oregon Registry for Childcare and Education at step 7. Preschool placements are subject to district and state guidelines for employees including immunizations, criminal background checks, and/or drug screening.

"If you're thinking of working with people of any kind, you should take these classes. The opportunities are endless."

-- Olivia PHS 12 --

Upon successful completion of one of the prerequisite courses, students may enroll in *Education Practicum*. *Education Internship* is our highest level course.



EDUCATION

Careers in Early Childhood 191531910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

In this year long course students will explore career fields that work with and support children and their families from birth to age 5. Students will play an integral part in running the onsite Early Childhood Education preschool program by co-planning and preparing classroom activities, performing observations, and developing introductory job skills related to working with young children. Completion of this class is an alternate prerequisite to practicum and internship courses and is accessible for any sophomore, junior or senior.

Careers in K-12 Education 191513910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

This course is an alternate prerequisite to practicum and internship courses and is accessible for any sophomore, junior or senior who is interested in working with families and youth from kindergarten through grade 12. Through group projects in schools, service learning, and job shadows, students will explore various careers connected to education both in and outside of schools as well as gain experience in elementary, middle, and high schools throughout the district.

Education Practicum 191521910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Working w/Preschoolers, Careers in Early Childhood or Careersi n K-12 Education

Education practicum is a combination of learning seminars at Sabin campus and gaining experience in a pre-k, elementary, middle, or high school. Students will deepen their understanding of educational practices and develop their skills working with people of all ages. Students must have passed Working with Children, Families and Youth; Careers in Early Childhood, or Careers in Education to access this class. Practicum placements are subject to district and state guidelines for employees including immunizations, criminal background checks, and/or drug screening.

Education Intern 191981910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Education Practicum
Internship:	Yes

Building on the experience gained in the practicum courses, students deepen their knowledge working with children, youth and families in educational programs. This experience requires students to work independently to set their own goals/learning outcomes, communicate with both mentor teacher and advisor, and gather evidence to demonstrate learning. Internship placements are subject to district and state guidelines for employees including immunizations, criminal background checks, and/or drug screening.

> **I learned so much about myself and the teaching profession, which has helped me become a confident teacher.**
>
> *--Nicole NHS 11 --*

FIRE SCIENCE

Intro Fire Science

TBD

Grades:	10, 11, 12
Frequency:	1 periods -- every other day
Course Length:	Semester
Credits:	0.5

This course offers an engaging introduction to the world of firefighting. Students will explore life in a firehouse, fire science fundamentals, safety and health practices, fire department communication, the use of Personal Protective Equipment (PPE), fire prevention, and emergency medical care. Hands-on activities include taking a hydrant, pulling hoses, practicing knots, and becoming familiar with fire truck operations. Additionally, students will learn about the diverse career opportunities available within the Fire Service.

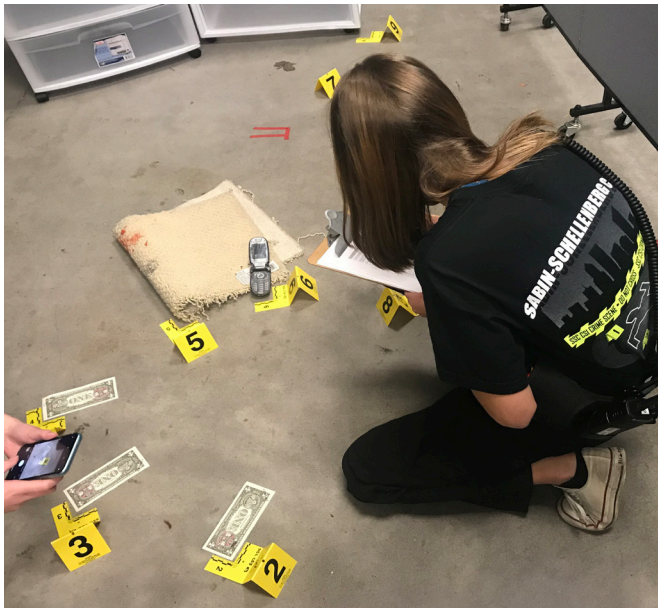
> **Fire Science has allowed me to take the first steps into a career in the fire service. I have not only learned the essential skills of being a firefighter but what it takes to be a leader.**
>
> *-- Josh CHS 12 --*

LAW ENFORCEMENT

Crime Scene Investigation 150532920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Step into the world of forensic science with this engaging, hands-on course. Students will explore how professional forensic investigators process crime scenes, starting with the initial walkthrough and continuing through documentation, evidence collection, and analysis. Learn and practice key skills such as dusting for and matching fingerprints, identifying trace evidence, photographing and diagramming crime scenes, and properly collecting evidence for further analysis. This course challenges students to think critically and apply problem-solving skills in realistic scenarios, including mock crime scenes that range from burglaries to detailed investigations of simulated deaths and homicides. Perfect for students interested in criminal justice, forensic science, or law enforcement careers.



> **A career in law enforcement is something I'm interested in and these classes have helped me greatly. I did not know how in-depth and how much training is required for law enforcement.**
>
> *-- Harrison RPHS 12--*

Law Enforcement 1 150011910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

This course introduces students to careers in law enforcement, ranging from first responders like local police, county deputies, and State Troopers to federal agencies like the FBI. Students will study the criminal justice system, constitutional law, police procedures, traffic stops, community policing, and ethics. Engaging activities, real-world case studies, and guest speakers provide an inside look at the challenges and rewards of law enforcement careers. Students will also build important skills such as critical thinking, problem-solving, and effective communication. Teamwork plays a big role, as students will frequently work together to learn how law enforcement professionals operate as a team.

LAW ENFORCEMENT

> **A career in law enforcement is something I'm interested in and these classes have helped me greatly. I did not know how in-depth and how much training is required for law enforcement.**

Law Enforcement 3 — 150531910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Law Enforcement 2

This advanced course challenges students to refine their skills and knowledge in law enforcement. Topics include investigating domestic violence cases, mastering building-clearing techniques, honing advanced interviewing skills, and processing crime scenes through fingerprint analysis. Students will also learn how to respond to hazardous situations effectively and administer basic first aid and stabilization techniques. Leadership development is a key focus, with an emphasis on managing others and working as part of a team. Law Enforcement 3 students will gain proficiency in documenting investigations through detailed report writing and practicing courtroom procedures such as testifying in mock trials. The curriculum also explores modern philosophies, theories, and strategies for crime prevention and suspect apprehension. This intensive, hands-on course is tailored for students serious about pursuing careers in law enforcement or related fields.

Law Enforcement 2 — 152021910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Law Enforcement 1

Building on the foundations of Law Enforcement 1, this course delves deeper into key aspects of law enforcement. Students will explore essential patrol procedures, DUII investigations, high-risk traffic stops, advanced defensive tactics, the history and evolution of policing, patrol operations, investigative techniques, and responding to unique challenges like mass casualty events. The course also focuses on advanced handcuffing techniques and control tactics to enhance officer safety. Students will engage in discussions about 21st-century ethics in law enforcement, recognizing bias, and understanding the diverse cultures and communities they serve. This in-depth, hands-on course is designed to prepare students for a career in law enforcement and empower them to make a positive impact in their communities.

INDUSTRIAL & ENGINEERING SYSTEMS

Do you enjoy...

- Precision and accuracy
- Seeing how things work on the inside
- Making your own "new and improved" designs to solve problems
- Building, constructing or tinkering
- Working with tools, machines or technology
- Working with your hands to repair things

Industrial & Engineering Systems

HIGH WAGE HIGH DEMAND CAREERS

Architect
Industrial & Mechanical Engineer
Cartographer

Automotive Service Technician
Diesel Engine Specialist
Mechanic

Electrical & Electronics Engineer
Computer Programmer
Industrial Engineer

Mechanical Engineer
Machine Tool Operator
Machinist

Sheet Metal Worker
Structural Metal Fabricator & Fitter
Welder

Carpenter
Plumber/Pipefitter
Cement Mason

2018 - Oregon Employment Department

ARCHITECTURE & DESIGN

Architecture & Design 1 — 211021910

Grades:	9, 10, 11, 12
Frequency:	2 periods -- Every other day
Course Length:	Year
Credits:	2
College Credit:	Yes

Discover how hand drawing, 3D modeling and 3D printing are used by architects, engineers and other designers to conceptualize and document their new products (buildings, consumer products, bridges, etc). Skills in AutoCAD, Revit and Inventor are then applied to students' own design projects.

Architecture & Design 2 — 211031910

Grades:	10, 11, 12
Frequency:	2 periods -- Every other day
Course Length:	Year
Credits:	2
Prerequisite:	Architecture & Design 1
College Credit:	Yes

Expand proficiency in the use of industry software as well as gain an understanding of design and construction through large scale, challenging, complex and sophisticated architectural or engineering projects. Create working drawings, 3D models, computer-generated renderings and physical models of original designs.

Architecture & Design 3 — 211032910

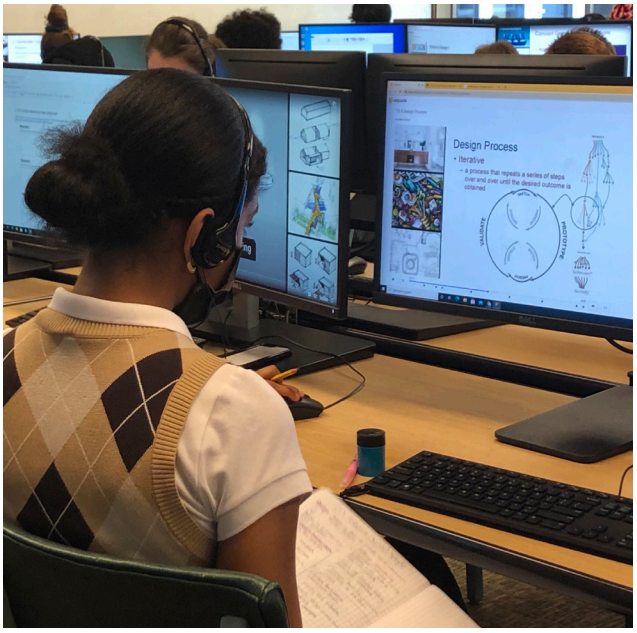
Grades:	11,12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Architecture & Design 2

Explore advanced CAD tools and techniques (Revit3D or Inventor). Develop, visualize and present designs. Professionals from the Architecture, Industrial Design or Engineering fields mentor students.

Architecture & Design 4 — 211034910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Architecture & Design 3

Take a deep dive into architectural design. Choose a building type (residential or commercial) you are interested in designing, and develop this building design from early sketches to final presentation models. Use skills developed in earlier courses to work independently on a complex project and collaborate with local professionals to develop a portfolio for application to Architecture school and/or a starting position in the CAD industry.



"I have been taking the architecture and design class all four years. The class has helped me find my passion for CADD and has set me up with enough knowledge and skill to put me ahead going into college."

--Cody PHS 12 --

AUTOMOTIVE SERVICE TECH

Automotive Upkeep 201032920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Introduces automotive care and repair. Students learn how an automobile operates and how to buy an automobile. Students will also learn basic automotive maintenance in these areas: auto care & cleaning, fluid level check, electrical, lubrication, cooling, exhaust, ignition and fuel systems, suspension and steering systems, tires and transmission. Common problems and roadside emergencies will be covered.

Automotive Service Technology 1 201031910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
College Credit:	Yes

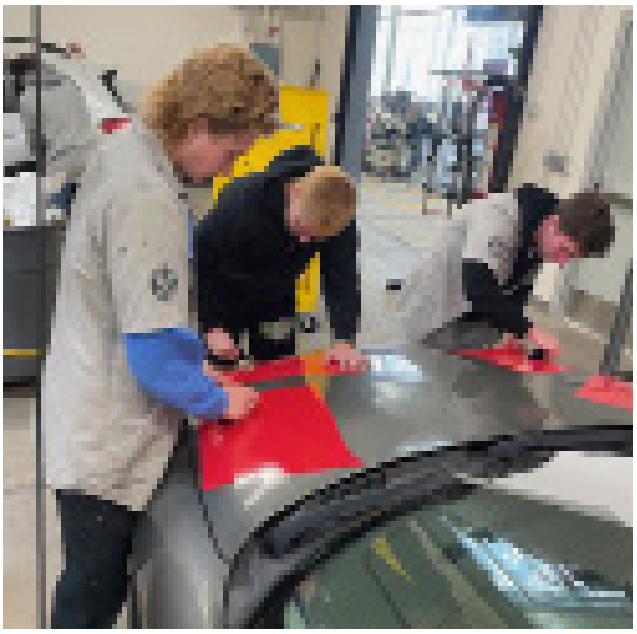
Automotive Service Technology 1 provides a foundational education for aspiring automotive technicians. A course emphasizing safety, tool and equipment proficiency, preventative maintenance, and basic repair skills equips students with the knowledge necessary to enter the field of automotive service confidently. Practical experience and theoretical understanding will ensure students are well-prepared for the challenges and responsibilities of working in a professional automotive shop

> **Auto Upkeep class is good for anyone who is going to own a car. In automotive you learn from your mistakes. Be prepared for mistakes and it's OK. That's how you get the knowledge.**
>
> *-- Cameron H. RPHS 11 --*

Automotive Service Technology 2 201041910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Auto Service Tech 1, Valid Driver's License is Encouraged
College Credit:	Yes
Internship:	Yes

Students deepen foundational knowledge from Level 1 and develop advanced skills in automotive maintenance and light repair (MLR). Students engage in both theoretical learning and hands-on practice, adhering to industry standards to prepare for careers in the automotive service industry.



AUTOMOTIVE SERVICE TECH

Automotive Service Technology 3 201061910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Auto Service Tech 2
College Credit:	Yes

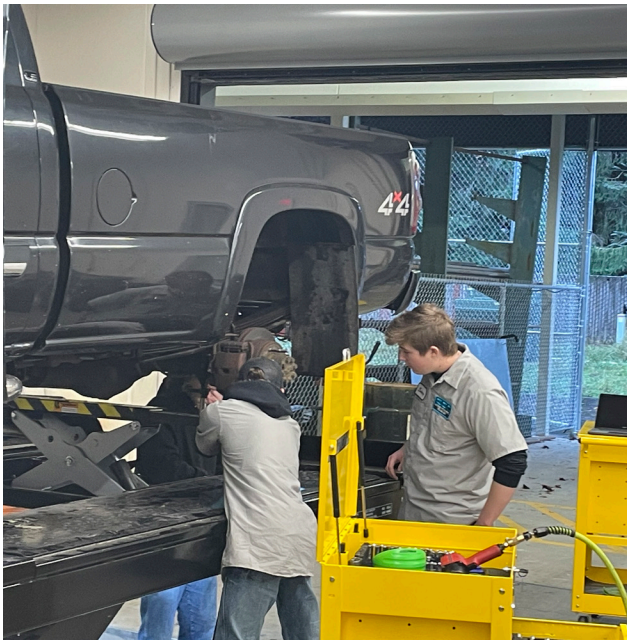
Students deepen the skills and knowledge acquired in AST 2. Hands-on experience is emphasized, with students performing light maintenance and repair work on client vehicles under the supervision of experienced instructors. Industry and program mentorship provided to students during in-house and field placements. Students earn ASE factory certifications during this course using a self-guided program for the Maintenance Light Repair Certification. This certification opens employment opportunities in various fields and advanced placement in college automotive programs. Additional certification opportunities may be available. AST 3 serves as a bridge to higher-level opportunities, including continuing studies at automotive factory programs like Ford and Subaru. By the end of this course, students will have honed their technical skills, gained practical experience, and prepared themselves for advanced studies or entry into the workforce as skilled automotive technicians. May be repeated for credit.

Automotive Service Technology 4: Diesel 201071910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Auto Service Tech Level 3

This course is for students with three years of essential light maintenance and repair in Automotive Service Technology interested in expanding their knowledge into medium and heavy-duty diesel technology and maintenance. Students will train in the repair and upkeep of the Freightliner diesel engine using Freightliner and Volvo trucks, industry scan tools, and trainers for hands-on experience. Units of study include safety and shop skills, preventative maintenance and inspection, troubleshooting and repair of diesel engines, heavy-duty tires and wheels, air brakes, steering and suspension, and starting and charging systems. Additionally, students can earn industry certificates in Freightliner systems and ASE Medium-Heavy Trucks. May be repeated for credit.

> **Do what you're passionate about. Once you come into Level 1 it's kind of difficult, but once you accept that it's something you want to do you'll love it. Level 1 is a lot about safety, but Level 2-3 you're out in the shop and hands on training.**
>
> *-- Nathan G. CHS 11 --*



BUILDING CONSTRUCTION

Geometry in Construction 020725910

Grades:	9, 10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2 (1 math credit & 1 Building Construction 1 credit)

This course is for the student who wants to learn math through a more hands-on approach. We make connections between geometry and construction through group and individual projects. This course is also for students with career interests in architecture, design, or construction. Examples of smaller individual and group projects students have worked on include a class jenga game set, a geometric tiled centerpiece trivet, key chains, picture frames, wooden puzzles, cutting boards, mini-boxes and 3/4" balsa models that aid the student in exploring how larger structures are built. Larger group work has involved service projects in collaboration with Camp Westwind. Taught by a math teacher and a construction teacher, students earn one Geometry & Data Reasoning credit and one CTE credit in Building Construction 1.

Building Construction 1 170041910

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

This is a Construction-only option for students interested in building, making and design without Geometry & Data Reasoning math credit. Learn to use tools on the jobsite and equipment in the woodshop safely. Learn the components of a wall system; what goes in it (plumbing, electric and insulation) and what goes on it (sheathing, siding, sheetrock and even a bit of tiling). Second semester continue to practice their skills by making projects for themselves (cutting boards, key chains, wooden puzzles,etc) and for the community. Examples of past community-based projects remodeling the cabins at Camp Westwind on the Oregon Coast.

> **"It takes a lot of personal responsibility to be in this class. Be aware of your surroundings and stay safe and this class is a lot of fun. We sanded our tables and that was fun. The most challenging thing I'm proud of is that I've gotten to know my peers and work well with them."**
>
> *-- Adilee H. RPHS 10 --*

BUILDING CONSTRUCTION

Building Construction 2 — 170042910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Geometry in Construction or Building Constr. 1

Expand carpentry skills in a hands-on learning environment. This course is a multi-level class and is taught as a rotating curriculum between residential construction and systems, interior and finish carpentry, cabinetry, and furniture making. Individual projects can include cutting boards, bookshelves, and boxes. Group projects include cabin renovation at Camp Westwind.

Building Construction 3 — 170043910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Building Construction 2

This course is for the student interested in a career in the construction or architecture industry, or wanting to expand their carpentry skills in a hands-on learning environment. This course is a multi-level class and is taught as a rotating curriculum between a focus on residential construction methods and systems. A focus on interior and finish carpentry, cabinetry, and furniture making.

Building Construction 4 — 170491410

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Building Construction 3

This course is for the student interested and ready to take on a leadership role in the program while expanding their carpentry skills through independent learning. This course is a multilevel class and is taught as a rotating curriculum between a focus on residential construction methods and systems. A focus on interior and finish carpentry, cabinetry, and furniture making.

> **Three years ago I had no skills that would make me money. Now with the help of Building Construction 3, I have a very happy and wealthy perception of my future. Not only that, I'm confident enough to leave a lasting impact on each and every jobsite I step foot in because of BC3.**
>
> *-- Viviana F. MHS 12 --*

ELECTRONICS TECHNOLOGY

Robotics 1 — 210091910

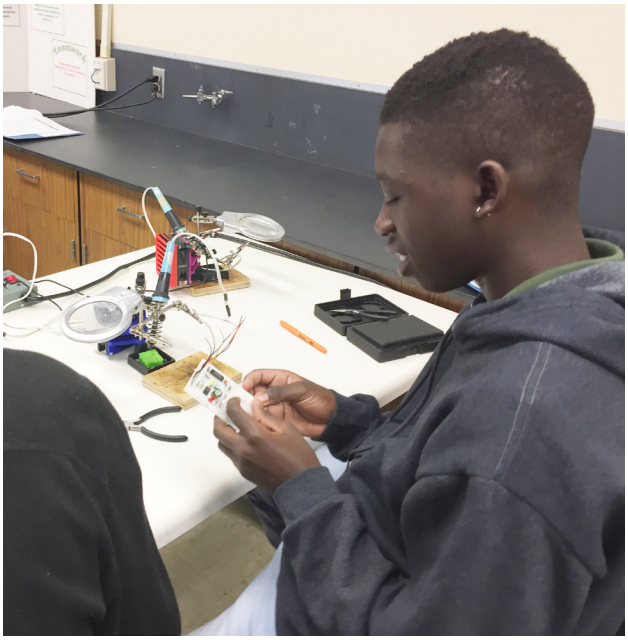
Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

Students work with their hands to operate equipment used to design, assemble and build a robot that they will take home at the end of the course. This course introduces basic electronics skills including the use of basic electronic components, soldering, assembly circuit boards, and wiring motors and switches to control the robot's functions. Students may take Electronics Technology 3 after completing this course if interested in pursuing robotics.

Intro Electonics Technology — 171011920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

In this semester class students will learn the basic principles and processes used in the high tech electronics assembly industry. Using safety, assembly and soldering skills students follow written directions and use electronic components to build the following projects: games, buzzers, light displays and prototype circuits.



> **If you stick with it you'll be able to do a lot of hands on projects that take a lot of time, patience and problem solving. Learning how to use Multi Sim to make your own circuit boards, then testing them to see if they worked. That was lots of fun, we helped each other out.**
>
> *-- Carter B. CHS 11--*

Electronics Technology 1: Analog Circuits — 171061910

Grades:	10, 11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Intro Electronics Technology, or Robotics 1
College Credit	Yes

For students who have successfully completed Intro to Electronics Technology, Exploring Electronics or Engineering Robotics 1. Focuses on electronics theory, semiconductors, amplifier systems, digital systems and circuit board design. Computer circuit simulation is emphasized along with principles, processes, applications and skills needed in high tech industries. Safety is taught and tested throughout this course.

ELECTRONICS TECHNOLOGY

Electronics Technology 2: Digital Circuits 171491910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Electronics Technology 1: Analog Circuits
College Credit:	Yes

Further developing skills, students design and fabricate products using engineering formulas learned in Electronics Technology 1. Products are documented using the engineering standards of written, theoretical circuit descriptions. Computer circuit simulation and circuit board design are emphasized along with a Technical Skills portfolio that is presented to industry representatives.

Electronics Technology 3: Advanced Robotics & Projects 171492910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Electronics Technology 2: Digital Circuits
College Credit:	Yes

This advanced robot course provides challenging and fun opportunities to put prior coursework into application. Using a robot platform students create electronic control systems for motion control, sensory inputs and microprocessors to embed artificial intelligence. Using sound recognition and optical output systems, students experiment with autonomous systems. The final product is a student-designed, autonomous robot that students take home.

> **I like that I've become better at problem solving...for instance I had a project recently with two boards connected and one wasn't working. I've learned to stretch everything out, break it down, and pinpoint exactly what's going on.**
>
> *-- Devin MHS 12 --*

MANUFACTURING ENGINEERING

Intro Manufacturing & Engineering 132031920

Grades:	9, 10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Semester
Credits:	0.5

Students will explore the manufacturing industry of machining and welding, learning basic skills on the manual mill, engine lathe, reading layouts and blueprints and welding. Students will complete one machined project and one weld project to take home. Safety is emphasized and tested throughout this course. This course prepares students for Machine Tool Tech 1 and Welding 1.

Machine Tool Technology 1 132021910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1

In this course students are introduced to machining processes and equipment. Students learn and practice skills including use of the manual mill and engine lathe and learn how to read layouts and blueprints. Students will make 3-4 projects to take home. Safety is emphasized and tested throughout this course. This course is a prerequisite for Machine Tool Technology 2.

Machine Tool Technology 2 211062910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Machine Tool Technology 1

In this course students will begin to expand their knowledge of manual lathe and mill operations. Design, machine and manufacture finished products either of your own design or from a select menu. Students learn the setup and operation of CNC (Computer Numerical Control). Safety is emphasized and tested throughout this course. This course is a prerequisite for Machine Tool Technology 3.

Machine Tool Technology 3 132043910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Machine Tool Technology 2

In this course students will begin to expand their knowledge of manual lathe and mill operations. Design, machine and manufacture finished products either of your own design or from a select menu. Students learn the setup and operation of CNC (Computer Numerical Control). Safety is emphasized and tested throughout this course.

> **It's like an art class, but you get the satisfaction of making something that functions.**
>
> *Brionna J. RPHS 12*

MANUFACTURING ENGINEERING

Welding 1 132071910

Grades:	10, 11, 12
Frequency:	1 period -- every other day
Course Length:	Year
Credits:	1
College Credit:	Yes

In this year-long course, students will dive into the fundamentals of welding and fabrication, gaining hands-on experience and knowledge that paves the way for employment in the welding industry. This course offers students the opportunity to learn various welding techniques and practices, with no prior experience required.

> **I took welding because I wanted to have fun. Instead I had a blast and gained the start to a career, friends, and skills I didn't know I had.**
>
> *-- Davis CHS 12 --*

Welding 2 132022910

Grades:	11, 12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Welding 1
College Credit:	Yes
Internship:	Yes

Students aiming to become proficient in advanced arc welding and high-level fabrication techniques. The course will focus on hands-on project-based learning, adhering to American Welding Standards, and will emphasize safety in all aspects of the trade. By the end of this course, students will have developed the skills necessary for industry readiness in five key areas of arc welding, as well as advanced fabrication techniques.

AWS American Welding Society

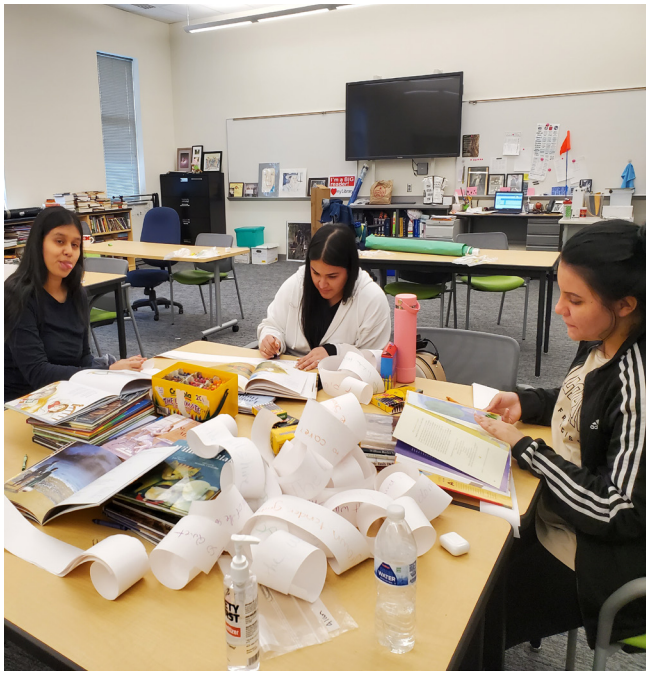
SSC is an American Welding Society Sense Entry Level 1 Certification Program.

Welding 3: Qualification 132073910

Grades:	12
Frequency:	2 periods -- every other day
Course Length:	Year
Credits:	2
Prerequisite:	Welding 2
College Credit:	Yes
Internship:	Yes

Students expand their abilities while learning how to design and manage projects throughout the year. Community projects will be the focus of this class. Students will also design and fabricate a final project using techniques and skills learned through levels 1, 2 and 3. Students will work towards passing their welding qualification certification.

Parenting, Academics, Careers & Employment



PACE is a high school program for pregnant and parenting students (any gender, ages 13-21). PACE students complete classes necessary for high school graduation in a smaller environment that incorporates the unique needs of students who are caring for babies and young children. PACE connects with a variety of community resources to support students and their children, including mental health services, Clackamas County DHS, Healthy Start, Clackamas Community College, and the Clackamas Technical Education Consortium Youth Services. Students engage in career development and enrichment activities, including guest speakers, career expos, and field trips. In addition to core academic classes, students access parenting classes, credit recovery, and electives such as creative writing and child development labs. Students can also enroll in SSC and home high school classes to expand their high school experience. All classes offered at PACE meet standard high school diploma requirements.

While PACE students are taking classes, free on-site childcare is available. The PACE Childcare Center is a state-licensed childcare facility available to parenting students in the North Clackamas School District. PACE employs seasoned, qualified staff to care for children ages 6 weeks to 4 years-old.

Community support agencies and counseling offices at NCSD schools can refer students to the program's coordinator. Students and families who think they might benefit from the program can self-refer and should reach out to our coordinator at 503-353-5946. Students from other school districts may enroll with permission from their home district.

think outside the box...

SSC Makerspace

a place to imagine, design & make

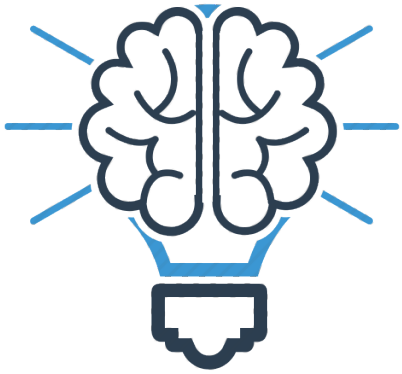
BUILD

CREATE

INVENT

DESIGN

TINKER



- *product design*
- *3-D printing*
- *3-D modeling*
- *laser cutting*
- *sewing machines*
- *CNC cutting*

EXPLORE THE OPTIONS!

Don't know how to get started?
There is a tech on staff to help students achieve and learn!
Questions? Contact: lenzend@nclack.k12.or.us

Open everyday during school and after school until 4:30 pm