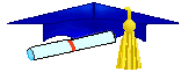

Everett Public Schools Career and Technical Education STEM Course Offerings



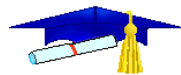
TECH PREP



COLLEGE IN THE HIGH SCHOOL or AP

Tech Prep is a partnership between high schools and community colleges to provide high school students the opportunity to earn college credit in qualifying technical high school classes in addition to high school credit. A grade of a "B" or better is required to earn college credit. Students must demonstrate mastery in specific competencies and complete enrollment for each qualifying course.

HEALTH AND HUMAN SERVICES



Anatomy and Physiology

Registration Code: SCI 273/274

Preparatory

Grade Levels: 11-12

Credits: 1.0 Science or Occupational Credit

Length: One Year

Prerequisites: Biology with a grade of C+ or teacher recommendation

Other:

CIP Code: 260102

Career Cluster: Health Science

Program Area: Health and Human Services

Location: CHS, EHS

This course is offered as a College in High School course for interested students. Students planning a future in medicine, dentistry, nursing, sports medicine or other related bio-science professions will be particularly interested in this advanced elective. This is a year-long course in which students will be introduced to the relationship between structure and function within the body's 11 basic organ system, as well as disorders and diseases. The course will incorporate an exploration of medical careers that address the bio-science content. Laboratory activities, including animal dissection are an important part of the course. Discussions, student presentations, individual and group research, and problem solving complement the lab activities. Lab activities are a critical component of this course. Good attendance is critical to success.



BioTechnology

Registration Code: SCI 405/406	Preparatory
Grade Levels: 11-12	
Credits: 1.0 Science or Occupational Credit	
Length: One Year	
Prerequisites: C or above in biology or passing the EOC in biology	
Other:	
CIP Code: 260102	
Career Cluster: Health Science	
Program Area: Health and Human Services	
Location:	

This course is designed to provide you with a broad overview of the science of biotechnology as well as develop the technical skills needed by local industry. We will focus heavily on laboratory investigations with an emphasis on techniques being used in the bioscience labs to address current world issues. Topics may include: recombinant DNA technology to make insulin, genetically modified foods, forensic investigations, and gene therapy to treat genetic diseases.



Family Health

Registration Code: CTE 110/111 or HTH 101/102	Exploratory
Grade Levels: 9-12	
Credits: 0.5 Graduation requirements	
Length: One Semester	
Prerequisites: None	
Other: Health Sciences	
CIP Code: 190003	
Career Cluster: Health Science	
Program Area: Human Services	
Location: CHS, EHS, JHS, SHS	

Family Health is designed to prepare students for life-long decision making, problem solving, critical thinking, and management skills related to health and wellness issues impacting families. The primary goal is to enable students to assume an active role in developing healthy lifestyles for themselves and others by focusing on the inter-relationships of healthy choices and a productive, satisfying life.



Child Development / Parenting

Registration Code: CTE 125/126	Exploratory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective	
Length: One Semester	
Prerequisites: None	
Other:	
CIP Code: 190706	
Career Cluster: Human Services	
Program Area: Human Services	
Location: CHS, EHS, JHS	

This course is designed to assist students in developing appropriate skills and attitudes in working and living with children. Areas of study include the intellectual, social, emotional and biological development of children, parent-child relationships, parenting practices, special needs of children, parental and environmental influences on child development, and external support systems.



Family & Consumer Sciences Education Coop (Day Care Aide)

Registration Code: CTE 135	Preparatory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective	
Length: One semester. Students may take multiple semesters for credit	
Prerequisites: None	
Other: STARS certificate is available.	
CIP Code: 190708	
Career Cluster: Human Services	
Program Area: Human Sciences	
Location: SHS	

Students learn the knowledge, skills, and practices required for careers in Early Childhood, Education and Services. The course focuses on the provision and management of child care services and prepares individuals to plan, design, and manage child care facilities and programs that meet children's developmental needs and interests and that provide safe and healthy environment.



(New Title) Introduction to Nutrition and Foods (Old Title: Food Preparation and Nutrition I)

Registration Code: CTE 115/116	Exploratory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective	
Length: One Semester	
Prerequisites: None	
Other:	
CIP Code: 190501 (<i>new CIP code 120500</i>)	
Career Cluster: Health Sciences	
Program Area: Human Services	
Location: CHS, EHS, JHS, SHS	

Introduction to Nutrition and Foods is an introductory course which includes hands-on practice in food preparation techniques, kitchen safety, equipment use, nutrition, menu planning, leadership development, and careers in food related industries. This course provides the foundation for Food Preparation and Nutrition.



(New Title) Food Preparation and Nutrition (Old Title: Food Preparation and Nutrition II)

Registration Code: CTE 120/121	Exploratory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective	
Length: One Semester	
Prerequisites: Complete Introduction to Nutrition and Foods with a passing grade	
Other:	
CIP Code: 190501	
Career Cluster: Health Sciences	
Program Area: Human Services	
Location: CHS, EHS, JHS	

Food Preparation and Nutrition is an advanced course which includes hands-on practice in food preparation skills acquired in Introduction to Nutrition and Foods. Advanced menu planning, food garnishing, exploring ethnic foods, and preparing regional foods of the United States are covered. The class also covers cooking with herbs/seasoning foods, sauce preparation, specialty desserts, as well as main dishes using pasta, cheese, dairy and protein foods. Students will continue to explore food related careers while involved in a variety of individual and group lab activities.



Introduction to Athletic Trainer (*Introduction to Sports Medicine*)

Registration Code: CTE 159/160	Preparatory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: None	
Other: Upon successful completion students will have the option of earning college credit through Lake Washington Technical College (FTNS 128 (Risk Management in Fitness) – 3.0 credits). A grade of a “B” or better is required to earn college credit.	
CIP Code: 510913	
Career Cluster: Health Sciences	
Program Area: Health Science	
Location: CHS, JHS	

This is a class that explores Athletic Taping/wrapping, CPR/1st Aid, Health Occupations and Medical Terminology. This is a hands-on class from which students will exit understanding their health career choices - the fastest growing career field - and with usable skills to help family and friends. It is the prerequisite for Athletic Trainer I.



Athletic Trainer I (*Sports Medicine I*)

Registration Code: CTE 165/166	Preparatory
Grade Levels: 10-12	
Credits: 0.5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Health and Intro to Athletic Trainer or permission of instructor.	
Other: Upon successful completion students will have the option of earning college credit through Lake Washington Technical College (FTNS 120 (Intro to Exercise Science) – 5.0 credits). A grade of a “B” or better is required to earn college credit.	
CIP Code: 510913	
Career Cluster: Health Sciences	
Program Area: Health Sciences	
Location: CHS, JHS	

This course applies anatomy, physiology and kinesiology to injury prevention, assessment, treatment and rehabilitation. Content includes musculoskeletal anatomy, injury assessment skills as well as nutrition and strengthening programs and much more. Students will be prepared for entry-level jobs in the allied health careers associated with health/fitness and athletic training or to pursue post-high school education in related fields.



Athletic Trainer II (*Sports Medicine II*)

Registration Code: CTE 169/170

Preparatory

Grade Levels: 10-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Athletic Trainer I or permission of instructor.

Other: Upon successful completion students will have the option of earning college credit through Lake Washington Technical College (FTNS 120 (Intro to Exercise Science) – 5.0 credits). A grade of a “B” or better is required to earn college credit.

CIP Code: 510913

Career Cluster: Health Sciences

Program Area: Health Sciences

Location: CHS, JHS

This course continues the study of musculoskeletal anatomy and physiology, injury prevention, injury evaluation, treatment and rehabilitation programs started in Athletic Trainer 1. Completes the study of the major joints and includes greater depth of detail. The Washington Vocational Sports Medicine Assoc State Competition is a major class activity.



Athletic Trainer Internship (*Sports Medicine Internship*)

Registration Code: CTE 175/176

Preparatory

Grade Levels: 10-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Concurrent enrollment in Athletic Trainer I or II or instructor permission

Other: This course may be repeated for high school credit

CIP Code: 510913

Career Cluster: Health Sciences

Program Area: Health Sciences

Location: CHS, JHS

This class incorporates learning in the classroom with lab experience. Students must complete 90 hours of unpaid internship during the semester. These may be performed by job shadow of allied health professionals such as doctors, physical therapists, fitness instructors, nurses, exercise physiologist and many others. They may also include assisting in the Training Room, working with various high schools athletic teams.



Independent Living

Registration Code: CTE 105/106	Exploratory
Grade Levels: 11/12 (SHS 9-12)	
Credits: 0.5 Occupational or Elective	
Length: One Semester	
Prerequisites: None	
Other: Upon successful completion students will have the option of earning college credit through Everett Community College (BT 162 – 5 credits). A grade of a “B” or better is required to earn college credit	
CIP Code: 190002	
Career Cluster: Human Services	
Program Area: Human Services	
Location: CHS, EHS, JHS, SHS	

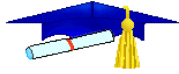
Independent Living is designed to prepare students for responsible decision making in a variety of areas (career, food and financial management) that confront young adults as they leave high school. The primary focus of Independent Living is the development of essential skills for living on their own, in a family, or with others.



GRADS (Graduation, Reality and Dual Skills): Teen Parenting

Registration Code: CTE 130	Exploratory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective	
Length: One Semester. Students may take multiple semesters for credit	
Prerequisites: None	
Other: Must be pregnant or parenting.	
CIP Code: 190726	
Career Cluster: Human Services	
Program Area: Human Services	
Location: SHS	

GRADS is a program for pregnant teens and/or young parents focusing on work and family foundation skills of significance to these students. It includes student demonstration of skills leading to economic independence.



Careers in Education

Registration Code: CTE 145/146	Preparatory
Grade Levels: 11/12	
Credits: 0.5 Occupational or Elective	
Length: One Year (0.5 credit Careers in Education and 0.5 credit Internship)	
Prerequisites: Prefer successful completion in Childhood Development	
Other: Upon successful completion college credit is available upon portfolio presentation & completion of Careers in Education Co-op class (Internship)	
CIP Code: 13.0101	
Career Cluster: Education and Training	
Program Area: Human Services	
Location: CHS, EHS, JHS	

PURPOSE: Careers in Education will introduce students to the occupation of teaching and other careers in education. Students will participate in instructional seminars at the high school, as well as work with a cooperating elementary or middle school teacher in his or her classroom. As interns, students will observe teachers and children in action, assist the classroom teacher in a variety of ways including working with individuals or groups of students, grading, creating and teaching lessons, making a bulletin board, integrating technology, and discussing issues in education.

ADDITIONAL INFORMATION: Students who complete two semesters of Careers in Education with a grade of B or better can earn up to five college credits at Washington State University,

Western Washington University, Central Washington University, or other colleges with a school of education.

Adherence to a workplace dress code and completion of the district's Volunteer Background form are required. Being able to provide your own transportation to field sites is encouraged.



Careers in Education Internship

Registration Code: CTE 150	Exploratory
Grade Levels: 11/12	
Credits: 0.5 Occupational or Elective	
Length: One Year (0.5 credit Careers in Education and 0.5 credit Internship)	
Prerequisites: Successful completion of Careers in Education and Instructors permission	
Other: Internship (approximately 45 hours) required as part of regular school day. Individual transportation is also required	
CIP Code: 13.8888	
Career Cluster: Education and Training	
Program Area: Human Services	
Location: CHS, EHS, JHS	

Careers in Education Co-op is the continuation of Careers in Education. Students will apply the knowledge from first semester in an internship at a local elementary or middle school setting. A portfolio detailing evidence of learning is the culminating project for this course.

BUSINESS AND MARKETING

Business



Accounting I

Registration Code: CTE 201/202	Preparatory
Grade Levels: 9-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: None	
Other: Continuation to Accounting II strongly recommended. Upon successful completion of Accounting II students will have the option of earning college credit through Everett Community College (Acctg 110 – 5.0 credits)	
CIP Code: 520301	
Career Cluster: Finance	
Program Area: Business and Marketing	
Location: CHS, EHS, JHS	

If you plan to own or help manage a business, you need a basic understanding of how money and funds flow in and out of all businesses. This class includes instruction in accounting principles and theory, financial accounting, budget control, tax accounting, legal aspects of accounting, auditing reporting procedures, statement creation and analysis, professional standards and ethics, and applications specific to profit, public, and non-profit organizations. You will practice basic accounting concepts on the computer and complete a business practice set.



Accounting II

Registration Code: CTE 205/206	Preparatory
Grade Levels: 9-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Accounting I	
Other: Upon successful completion students will have the option of earning college credit through Everett Community College (Acctg 110 – 5.0 credits). A grade of a “B” or better is required to earn college credit.	
CIP Code: 520301	
Career Cluster: Finance	
Program Area: Business and Marketing	
Location: CHS, EHS, JHS	

This is the second semester of a year-long program that prepares individuals on advanced levels to practice the profession of accounting and to perform related business functions. This particular class includes instruction in accounting principles and theory, financial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, professional standards and ethics and applications specific to profit, public and non-profit organizations.



Economics

Registration Code: CTE 215/216

Exploratory

Grade Levels: 9-12

Credits: 0.50 Occupational or Elective Credit

Length: One Semester

Prerequisites: None

Other:

CIP Code: 450601

Career Cluster: Finance

Program Area: Business and Marketing Education

Location: CHS, JHS

Gain knowledge that you can use for a lifetime. Students will learn about our market economy in the United States and other economic systems in place around the world. Find out if your business will have a chance for success. Learn about supply and demand, scarcity, micro and macroeconomics, money and banking, international economics, business risk, competition, and profit. Gather information and gain hand-on experience with the stock market and labor unions. In addition, you will be able to select areas of interest in career development as a special focus of study.



AP Macro Economics

Registration Code: CTE 491/492

Exploratory

Grade Levels: 11-12

Credits: 1.0 Occupational or Elective Credit

Length: One Year

Prerequisites: Algebra II with Trigonometry (with B- or better)

Other: Students will have the option to take the National College Board AP Macroeconomics exam. Students enrolled in this course can expect the rigor of a college level class.

CIP Code: 450601

Career Cluster: Finance

Program Area: Business and Marketing Education

Location: CHS, JHS

The AP Macro-Economics course is equivalent to that of a college business/economics course. During the course students will; Master economic thinking and decision-making; Learn to support and explain concepts with both written responses and a variety of graphical models; Demonstrate understanding of the connections between economics and math; Understand the general development of modern economic theory; Become familiar with the language of business and economics and be able to understand the measurements of economic performance.



Registration Code: CTE 209 / 210 Grade Levels: 9-12 Credits: 0.50 Occupational or Elective Credit Length: One Semester Prerequisites: None Other: CIP Code: 220001 Career Cluster: Law, Public Safety and Security Program Area: Business and Marketing Education Location: CHS, EHS, JHS	Exploratory
--	-------------

Business Law addresses statutes and regulations affecting businesses, families, and individuals in their related roles. Knowledge of business law is useful for all students, because all students eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Understand your legal rights and your responsibilities as an American citizen and learn about the business world. Areas of study include business law, family law, criminal law, juvenile law, law enforcement and the court system.



Office User Specialist Intro / Computer Applications

Registration Code: CTE 225/226 Grade Levels: 9-12 Credits: 0.50 Required for Graduation Length: One Semester Prerequisites: None Other: Upon successful completion students will have the option of earning college credit through Everett Community College (CL 101 (Computer Literacy) – 5 credits, CL 106 (PowerPoint) – 2 credits). A grade of a “B” or better is required to earn college credit. . CIP Code: 110699 Career Cluster: Information Technology Program Area: Business and Marketing Education Location: CHS, EHS, JHS, SHS	Preparatory
---	-------------

Computer Applications is designed to provide a foundation for future business and technology courses as well the scholarly paper and culminating exhibition. Presentation and visual communication skills are a primary component of this course to include a portfolio of student work. Support of the reading and writing HSPE components are integrated into the course design. Students will develop their leadership, interpersonal, problem-solving, and decision making skills. Career exploration is integrated throughout this course. Students learn to access, manipulate, and present information using Microsoft Office. Search, download, address, and reference skills are emphasized using the internet. Ethics, including such topics as copyright laws and plagiarism, are discussed.



Office User Specialist: Core

Registration Code: CTE 229/230	Preparatory
Grade Levels: 9-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Computer Applications	
Other: Upon successful completion students will have the option of earning college credit through Everett Community College (BT 219 (Word) – 5 credits). A grade of a “B” or better is required to earn college credit.	
CIP Code: 110699	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS, SHS	

Office User Specialist gives students the opportunity to earn their Core OUS (Office User Specialist) Certification, a substantial advantage in today’s job market. To be considered for employment, a basic knowledge of word processing, spreadsheet use, and multimedia presentations, (areas introduced in InfoTech). Employees are often selected based on proof of their ability to use these programs. Recently this proof has taken the form of industry-based and recognized tests. Passing these tests leads to certifications in various areas. Earning your OUS Certification at the core level while in high school would give you a very real advantage once you enter the job market. Obtaining equivalent training after high school can be an extremely expensive and inconvenient process. Why not take advantage of this opportunity to earn a “Real World” certification now?



Office User Specialist: Expert

Registration Code: CTE 235/236	Preparatory
Grade Levels: 10-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Office User Specialist (Core)	
Other: Upon successful completion students will have the option of earning college credit through Everett Community College (BT 229 (Advanced Word) – 5 credits, BT 242 (Excel) – 5 credits, BT 240 (Access – 5 credits) A grade of a “B” or better is required to earn college credit.	
CIP Code: 110699	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS	

Microsoft Office Specialist gives students the opportunity to earn their Expert OUS (Office User Specialist) Certification at the expert level, a substantial advantage in today’s job market. To be considered for employment, a basic knowledge of word processing, spreadsheet use, and multimedia presentations are introduced in InfoTech. Employees are often selected based on proof of their ability to use these programs. Recently this proof has taken the form of industry-based and recognized tests. Passing these tests leads to certifications in various areas. Earning your OUS Certification at the expert level while in high school would give you a very real advantage once you enter the job market. Obtaining equivalent training after high school can be an extremely expensive and inconvenient process. Why not take advantage of this opportunity to earn a “Real World” certification now?



Web Design I

Registration Code: CTE 345/346	Preparatory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Computer Applications is strongly recommended	
Other:	
CIP Code: 110801	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS	

A course that prepares individuals to apply HTML, XML, JavaScript, CSS, graphic applications, and other authoring tools to the design, editing, and publishing (launching) of documents, images, graphics, sound, and multimedia products on the World Wide Web. Includes instruction in Internet theory; web page standards and policies; elements of web page design; user interfaces; vector tools; special effects; interactive and multimedia components; search engines; navigation; ecommerce tools; and emerging web technologies.



U. W. IT Computer Science Engineering

Registration Code: CTE 343/344	Preparatory
Grade Levels: 9-12	
Credits: .5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: None	
Other: Upon successful completion students will have the option of earning 5 college credits through University of Washington (FIT 100), college in the high school. These credits are counted as a quantitative math credit.	
CIP Code: 110801	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS	

Increase your knowledge of Web Pages, Computer Programming, Computer Security, Database Control and Spreadsheet applications. This class is perfect for an individual that is going to college and is not sure what area they will major in. Upon completion of this course, one will have acquired and honed these three types of knowledge—skills, concepts, and capabilities in the areas of:

- ✓ Create and publish Web pages
- ✓ Transfer files with FTP
- ✓ Determine authenticity of Web sites
- ✓ Program with JavaScript
- ✓ Design a database with Microsoft Access
- ✓ Understand database and online privacy issues
- ✓ Protect your computer from security threats

By becoming fluent in these information technologies, you are better able to apply today's information technology effectively in your personal and professional life, and to adapt it to personally relevant goals.



Computer Programming 1 (Visual Basic)

Registration Code: CTE 330/331	Preparatory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Algebra I or AR	
Other:	
CIP Code: 110201	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS	

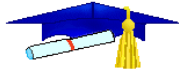
Students in this class learn how to write their own software using Visual Basic. From designing basic games to writing usable applications, students are introduced to the world of computer programming and the special "language" that is used to tell the computer what to do. A student does not need to be a computer wiz to be successful in this class.



Computer Programming II (Java)

Registration Code: CTE 334/335	Preparatory
Grade Levels: 10-12	
Credits: 1.0 Occupational or Elective Credit	
Length: One Year	
Prerequisites: Must have met the standards of Computer Programming I (Visual Basic) or AR	
Other:	
CIP Code: 110201	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS	

Students will move from the Visual Basic programming language to Java, an object-oriented programming language that is the language used in the Advanced Placement Computer Science test and the first language taught at the University of Washington. Students will learn the fundamentals of object-oriented programming with a culminating project designed and written by each student. The scope and content of this course will be very similar to that of the University of Washington's Computer Science and Engineering 142 (CSE 142) course.



AP Computer Science (Java)

Registration Code: CTE 337/338	Preparatory
Grade Levels: 10-12	
Credits: 1.0 Occupational or Elective Credit	
Length: One Year	
Prerequisites: Must have met the standards of Computer Programming II (Java) or AR	
Other:	
CIP Code: 110201	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: JHS	

This course is for students who are planning to prepare for and take the Advanced Placement Computer Science AB exam. It will prepare students for the APCS AB test through a rigorous study of materials designed to help students be successful on the APCS test. After the test (taken in mid-May) students will design and write a stand-alone application.



Computer Programming III (Java)

Registration Code: CTE 340/341	Preparatory
Grade Levels: 10-12	
Credits: 1.0 Occupational or Elective Credit	
Length: One Year	
Prerequisites: Must have met the standards of Computer Programming II or AP Computer Science or AR	
Other:	
CIP Code: 110201	
Career Cluster: Information Technology	
Program Area: Business and Marketing Education	
Location: CHS, EHS, JHS	

Students will add to their understanding of the Java programming language by learning concepts such as data structures, overloaded methods, and designing and implementing large programs. Culminating projects will consist of stand-alone applications designed and written by each student. The scope and content of this course will be very similar to that of the University of Washington's Computer Science and Engineering 143 (CSE 143) course.



Publications I (Yearbook I)

Registration Code: CTE 240/241

Preparatory

Grade Levels: 9-12

Credits: 1.0 Occupational or Elective Credit

Length: One Year

Prerequisites: None

Other: Strong writing skills are a must. Students who have not earned a B- or higher in their English class should not take this class. Students in this class help produce the school yearbook. Upon successful completion students will have the option of earning college credit through Lake Washington Technical College (In Design I MMDP 126 – 4.0 credits). A grade of a “B” or better is required to earn college credit.

CIP Code: 091001

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Business and Marketing Education

Location: CHS, JHS

Students will be introduced to the exciting career field of publications and desktop publishing using industry standard software for publication design and be active contributors to student publications. Students will have regular hands-on experience publishing the school yearbook or newspaper. Publications has been identified by the US Department of Labor and Industries as being one of the top ten career fields for growth in the next ten years



Publications II (Yearbook II)

Registration Code: CTE 245/246

Preparatory

Grade Levels: 10-12

Credits: 1.0 Occupational or Elective Credit

Length: One Year

Prerequisites: Must have met the standards of Publications I with a C or higher.

Other: Students taking this class will be considered for editorial positions. Yearbook and newspaper leadership experience is a valuable addition to any college application or resume. Students in this class help produce the school yearbook.

CIP Code: 091001

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Business and Marketing Education

Location: CHS, JHS

Students gain advanced skills and practice in the exciting career field of publications. Students will have regular hands-on experience and learn advanced techniques publishing the school yearbook or newspaper. Desktop publishing has been identified by the US Department of Labor and Industries as being one of the top ten career fields for growth in the next ten years.



Publications III (Yearbook III)

Registration Code: CTE 250/251 Grade Levels: 11-12 Credits: 1.0 Occupational or Elective Credit Length: One Year Prerequisites: Must have met the standards of Publications II with a B or higher Other: Students taking this class must assume leadership for an editorial position. Yearbook leadership experience is a valuable addition to any college application or resume. Students in this class help produce the school yearbook. CIP Code: 091001 Career Cluster: Arts Audio / Video Technology Communications Program Area: Business and Marketing Education Location: CHS, JHS	Preparatory
---	-------------

Students will practice advanced skills in the exciting career field of publications. Students will be expected to train other staff members how to use digital cameras and teach advanced techniques for formatting and enhancing pictures. Desktop publishing has been identified by the US Department of Labor and Industries as being one of the top ten career fields for growth in the next ten years.

Marketing



Global Marketing (Formally Business and Marketing I)

Registration Code: CTE 255/256 Grade Levels: 9-12 Credits: 0.5 Occupational or Elective Credit	Exploratory
Length: One Semester Prerequisites: Highly recommended in conjunction with Marketing Promotion Other: Upon successful completion, students who complete Marketing Promotion and either Marketing Promotion, Fashion Merchandising or Sports Entertainment with a B or higher, will have the opportunity of earning college credit through Everett Community College (BUS 105 – 5 credits). CIP Code: 521400 Career Cluster: Marketing Sales and Service Program Area: Business and Marketing Education Location: CHS, EHS, JHS	

Anyone can register for this class!! Students wanting to be successful in the 21st century will need to possess the skills needed to meet the high demands of colleges and careers. This course not only teaches these skills, but provides hands-on opportunities for students to practice their skills. Dynamic opportunities await you in the field of Business and Marketing. The business environment is changing everyday with the greatest number of new job openings appearing in small businesses. This course will provide students with a solid understanding of marketing concepts, economics, selling techniques and careers in marketing and apply them to the world around them.

Students are encouraged to apply and demonstrate their knowledge and skills through the co-curricular student organization, DECA. It is highly recommended that students also register for Marketing Promotion.



Marketing Promotion (Formally Business and Marketing II)

Registration Code: CTE 257/258

Exploratory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Highly recommended in conjunction with Global Marketing

Other: Upon successful completion, students who complete Marketing Promotion and either Global Marketing, Fashion Merchandising or Sports Entertainment with a B or higher, will have the opportunity of earning college credit through Everett Community College (BUS 105 – 5 credits).

CIP Code: 521400

Career Cluster: Marketing Sales and Service

Program Area: Business and Marketing Education

Location: CHS, EHS, JHS

Anyone can register for this class, however it is **strongly recommended to take this class in conjunction with Global Marketing!!** Students wanting to be successful in the 21st century will need to possess the skills needed to meet the high demands of colleges and careers. This course not only teaches these skills, but provides hands-on opportunities for students to practice their skills. The business environment is changing everyday with the greatest number of new job openings appearing in small businesses. This course will provide students with a solid understanding of product development, financial literacy and promotional techniques and then applying them to the world around them. **Students are encouraged to apply and demonstrate their knowledge and skills through the co-curricular student organization, DECA.**



Fashion Merchandising

Registration Code: CTE 269/270

Preparatory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Received a C or higher in Introduction to Marketing. It is highly recommended this course be taken the same year as Introduction to Marketing.

Other: Upon successful completion students who complete Introduction to Marketing and Fashion Merchandising with a B or higher, will have the opportunity of earning college credit through Everett Community College (BUS 105 – 5 credits)

CIP Code: 521902

Career Cluster: Marketing Sales and Service

Program Area: Business and Marketing Education

Location: CHS, EHS, JHS

Study the dynamic field of fashion with a business and marketing perspective. Learn about designers, fashion trends/knowledge, the history of fashion, merchandising and display techniques. **Students will be provided the opportunity to participate in DECA activities.**



Sports and Entertainment Marketing

Registration Code: CTE 275/276

Preparatory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Received a C or higher in Introduction to Marketing. It is highly recommended this course be taken the same school year as Introduction to Marketing.

Other: Upon successful completion students who complete Introduction to Marketing and Sports Entertainment Marketing with a B or higher, will have the opportunity of earning college credit through Everett Community College (BUS 105 – 5 credits)

CIP Code: 310504

Career Cluster: Marketing Sales and Service

Program Area: Business and Marketing Education

Location: CHS, EHS, JHS

This course focuses on the marketing concepts/functions related to the sports and entertainment fields. Learn about endorsements, sponsorships, advertising, promotions, media relations and management relating to a sport or entertainment business venture. **Students will be provided the opportunity to participate in DECA activities.**



School Store

Registration Code: CTE 265/266

Preparatory

Grade Levels: 10-12 or AR

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have received a C or higher in two of the following courses: Introduction to Marketing, Fashion Merchandising and/or Sports and Entertainment Marketing.

Other: This course may be repeated for credit

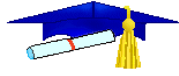
CIP Code: 521801

Career Cluster: Marketing Sales and Service

Program Area: Business and Marketing Education

Location: CHS, EHS, JHS

Impress a potential employer with the hands-on retail experience you will gain while working in the school store. Decisions regarding pricing, inventory, sales promotion, finances, and management are made by the students. **Students will be provided the opportunity to participate in DECA activities.**



Advanced Marketing

Registration Code: CTE 261/262

Preparatory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have received a C or higher in two of the following courses: Introduction to Marketing, Fashion Merchandising or Sports Entertainment Marketing.

Other: Upon successful completion students who complete Advanced Marketing with a B or higher, will have the opportunity of earning college credit through the College in the High School Program (BUS 150 Intro to Marketing – 5.0 credits).

CIP Code: 521401

Career Cluster: Marketing Sales and Service

Program Area: Business and Marketing Education

Location: CHS, EHS, JHS

Build on your business knowledge by developing your leadership and marketing skills and applying them to a specialized study in your particular area of interest. Course content will include: Promotion and advertising, market research, communications, financing, management, selling and human relations. You will continue a specialized study in your particular areas of interests. **Students will be provided the opportunity to participate in DECA activities.**

SKILLED AND TECHNICAL SCIENCES



Naval Junior Reserves Officer Training Corps (NJROTC)

Registration Code: NJR 101, NJR 201, NJR 301, NJR 401

Preparatory

Grade Levels: 9-12

Credits: 1.0 Occupational or Elective Credit

Length: One Semester

Prerequisites: None.

Other:

CIP Code: 280301

Career Cluster: Government and Public Administration

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

A program that focuses on the purpose and objectives of the United States military and all its branches, its rank structure, its customs and tradition, and its importance in national defense and security. The program introduces students to the theory and practice of military science, life in the military and prepares them for cadet status (JROTC or ROTC) or for service in the reserve or active duty military. Programs are offered as adjuncts to regular high school instructional programs.



Cinematography and Film / Digital Video Production I

Registration Code: CTE 301/302 Preparatory
Grade Levels: 9-12
Credits: 0.5 Occupational or Elective Credit
Length: One Semester
Prerequisites: Strongly encourage taking Computer Applications first.
Other: Upon successful completion of Video Production I students who continue on to Video Productions II and maintain a B or higher, will have the opportunity of earning college credit through Shoreline Community College (Film 256 – 5.0 credits) or Lake Washington Technical College (MMDP 119 – 5.0 credits)
CIP Code: 100202
Career Cluster: Arts Audio / Video Technology Communications
Program Area: Skilled and Technical Science
Location: CHS, EHS, JHS

This exploratory class is about making films using digital video technology. It will prepare students to communicate dramatic information, ideas, moods and feelings through the film medium. It's a hands-on class that includes video camera operation, microphone use and placement, computerized editing and sound design. It also includes practical experience in producing, writing screenplays/scripts, directing and the art of cinematography. The class will explore film theory while making short productions in a wide variety of forms including dramatic, comedy, documentary, commercial, training, and music videos. The filmmaking skills acquired in this class will transfer to your personal media use, advanced post-secondary course work and the job market.



Cinematography and Film / Digital Video Production II

Registration Code: CTE 303/304 Preparatory
Grade Levels: 09-12
Credits: 0.5 Occupational or Elective Credit
Length: One Semester
Prerequisites: Must have met the standards of Cinematography I or AR
Other: Upon successful completion of Video Production II with a B or higher, students will have the opportunity of earning college credit through Shoreline Community College (Film 256 – 5.0 credits) or Lake Washington Technical College (MMDP 119 – 5.0 credits)
CIP Code: 100202
Career Cluster: Arts Audio / Video Technology Communications
Program Area: Skilled and Technical Science
Location: CHS, EHS, JHS

This exploratory class continues where Video Production I left off. Students will continue to develop skills to enable them to better communicate in the visual medium. Emphasis will be on refining the 3 steps of production and becoming a more efficient filmmaker. Sound design and production will be explored in further depth and applied to video projects. Projects will be developed for submission to the school broadcast and film festival entries. DVD and streaming technologies will be introduced. Careers in film and video production fields will be explored. The filmmaking skills acquired in this class will transfer to your personal media use, advanced post-secondary course work and the job market.



Cinematography and Film / Digital Video Production III

Registration Code: CTE 305/306

Preparatory

Grade Levels: 10-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have met the standards of Cinematography II

Other: CE and AR Support

CIP Code: 100202

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

Video Production III will focus on producing content aimed at a wider audience. Students will be able to focus on individual interests as they continue to explore film style by applying advanced compositional elements. Projects will focus on producing content for the school broadcast. TV production and TV technology will be introduced and applied to personal projects. There will be opportunities for longer, more demanding productions as well as group projects. Emphasis will be on advanced video editing techniques and their application to better story telling. The class will also offer support and opportunities for CE projects.



Cinematography and Film / Digital Video Production IV

Registration Code: CTE 307/308

Preparatory

Grade Levels: 10-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have met the standards of Cinematography III

Other: Upon successful completion students will have the option of earning college credit through Shoreline Community College (Film 256 – 5.0 credits) or Lake Washington Technical College (MMDP 119 – 5.0 credits) A grade of a “B” or better is required to earn college credit.

CIP Code: 100202

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

Video Production IV will continue where the previous class left off. Students will work on writing for TV and explore the historical aspect of the TV industry. Motion graphic applications will also be introduced and explored. Programs such as Adobe After Effects and Photoshop will be used to produce content for video projects. The use and art of lighting will be introduced and applied to student work. Directing and music production techniques will also be implemented into personal projects. The class will also offer support and opportunities for CE projects.



Cinematography and Film / Digital Video Production V

Registration Code: CTE 309/310

Preparatory

Grade Levels: 11-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have met the standards of Cinematography VI

Other: CE and AR Support

CIP Code: 100202

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

In Video Production V students will be given more creative control over the projects they wish to explore. Creating more complex and longer projects will be expected. Advanced camera operation will be emphasized. DSLR cameras will be available for those students wishing to explore a greater level of creativity in their projects. Advanced writing and film study will be applied to personal projects. Photoshop and After Effects will continue to take a bigger role in students' projects. Lighting and more advanced editing techniques will be explored. Emphasis will be on creating skills and a portfolio for post-secondary studies, jobs or additional training. The class will also offer support and opportunities for CE projects.



Cinematography and Film / Digital Video Production VI

Registration Code: CTE 311/312

Preparatory

Grade Levels: 11-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Must have met the standards of Cinematography V

Other: CE and AR Support

CIP Code: 100202

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

Video Production VI will continue developing the student as a more rounded and capable filmmaker while focusing on the art of directing. Project management and film analysis will be applied to projects. Sound design will be explored in greater detail with the student being expected to fully understand all copyright issues with the use of music in their video projects. Emphasis will be on creating skills and a portfolio for post-secondary studies, jobs or additional training. The film/ video V and VI production class usually meets concurrently with the film/video III and IV class. The class will also offer support and opportunities for CE projects.



Computer Installation and Repair Technology (A+ Computer Support)

Registration Code: CTE 325/326

Preparatory

Grade Levels: 9-12

Credits: 1.0 Occupational or Elective Credit

Length: One Year

Prerequisites: Must have met the standards of Computer Applications or equivalent or AR

Other: Upon successful completion students have the option to earn college credit through Edmonds Community College

CIP Code: 470104

Career Cluster: Information Technology

Program Area: Skilled and Technical Science

Location: EHS

Computer Installation and Repair is a class which teaches the student skills in designing, building, and maintaining computer systems. This program will be oriented toward preparing students to take the A+ industry exam. The class is broken into two core components; hardware and software. Once students have mastered certain competencies, they will be provided the opportunity to practice and demonstrate the skills they have learned by maintaining computer systems around the school site. This class has also helped students gain employment with jobs around the district as technicians. The class prepares students to effectively staff a technical support help desk and distinguish between computer hardware and software failures in preparation for entry level positions in the computer support and service fields. 10 EdCC credits are available upon successful completion of the class with 80% or higher grade.



Video Game Design

Registration Code: CTE 347/348

Preparatory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Computer Programming I, or instructor approval

Other:

CIP Code: 110803

Career Cluster: Information Technology

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

Get ready to author your own video games! Learn the basics for player animation, level design, multi-player games, and program intelligence into your characters and challenge the computer. Learn the physics behind character animation and collision detection. This course will expand on the programming structures learned in Computer Programming 1 and allow you to author your own gaming applications. Video Game Programming is one of the fastest growing fields in technology today and is expected to stay in the top ten fields for the next 10 years. Get started in an exciting future career now!



Digital Photography I (Commercial Photography)

Registration Code: CTE 321/322 (current) CTE 350/351(past) or FAA 161/162 Preparatory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester.

Prerequisites: Computer Applications is strongly recommended

Other: Work completed in this class may be used for publication in the school yearbook and literary arts magazine. Students will be encouraged to submit work from class to local, regional, and national competitions.

CIP Code: 500406

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

Investigate and practice the exciting career field of digital (commercial) photography. Students will start by learning the history of photography and how cameras work, explore lighting, color, composition, and other subject matter to achieve a solid grounding in both technical and creative photographic processes. They will then learn and practice several different genres of photography including nature photography, action photography, and journalistic photography. Students will learn how to bring their pictures alive using Adobe Photoshop. Students will explore career and business opportunities in commercial photography. The course will conclude with students preparing their own traditional hard-copy and digital electronic portfolios.



Digital Photography II (Commercial Photography)

Registration Code: CTE 361/362

Preparatory

Grade Levels: 9-12

Credits: 0.5 Occupational or Elective Credit

Length: One Semester.

Prerequisites: Successful completion of Digital Photography I recommended

Other: Upon successful completion students will have the option of earning college credit through Lake Washington Technical College (MMDP 128 – 4.0 credits) A grade of a “B” or better is required to earn college credit. Work completed in this class may be used for publication in the school yearbook and literary arts magazine. Students will be encouraged to submit work from class to local, regional, and national competitions.

CIP Code: 500406

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

This class is for students with a passion for photography and Photoshop who have successfully completed Digital Photo I. In this class students will learn hands-on how to operate a digital SLR camera, set up and use a three-point portrait studio lighting system, learn advanced processing techniques using Adobe Photoshop, and apply advanced design elements and principles. Students will be strongly encouraged to enter multiple local, regional, and national photography competitions.



Intro to Graphic Design

Registration Code: CTE 353/354 or FAA 149/150

Preparatory

Grade Levels: 9-12

Credits: 0.5 Fine Arts, Occupational, or Elective Credit

Length: One Semester.

Prerequisites: none

Other: Upon successful completion students will have the option of earning college credit through Everett Community College, Graph 100 – 3 credits. A grade of a “B” or better is required to earn college credit.

CIP Code: 500402

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: CHS, EHS, JHS

Basic art concepts for studio work, layout and composition, aesthetics and history will be covered. Individuals will apply artist techniques in relationship to the graphic artist. Graphic arts vocabulary, tools and equipment, color theory, perspective, drawing, painting, including graphic art styles and techniques with a strong emphasis on design will be presented to the student. This will also include computer assisted art and design using vector and raster graphics, concept sketching, illustrations, traditional art medias, digital imaging, communication skills, and commercial art business operations. Individuals will develop visual presentations skills of information and data, developing drawing skills and build a personal portfolio. An emphasis on HSBE math skills will be used in this class



Graphic Design I

Registration Code: CTE 323/324 (current) CTE 355/356 (past) or FAA 151/152 Preparatory

Grade Levels: 9-12

Credits: 0.5 Fine Arts, Occupational, or Elective Credit

Length: One Semester

Prerequisites: Highly recommend taking Intro to Graphic Design CTE 353/354.

Other: Upon successful completion students will have the option of earning college credit through Everett Community College, Graph 110 – 5 credits. A grade of a “B” or better is required to earn college credit.

CIP Code: 500402

Career Cluster: Arts Audio / Video Technology Communications

Program Area: Skilled and Technical Science

Location: JHS

This class will explore vector-based illustration methods for creating graphics, technical illustrations, and visual presentation of information and data. Students will create logos, graphic designs, layouts, and basic graphic information, using Adobe Illustrator. Students will explore also the creative process using digital imaging software, digital photography, image manipulation, and a wide variety of image generating techniques, using Adobe Photoshop. Assigned problems may include digital imaging problems, drawing and painting using a computer. Emphasis will be placed on exploration and innovative use of software tools and basic software imaging information, building a portfolio, and developing drawing skills



Graphic Design II

Registration Code: CTE 357/358 or FAA 153/154 Grade Levels: 9-12 Credits: 0.5 Fine Arts, Occupational or Elective Credit Length: One Semester Prerequisites: Graphic Design I Other: Upon successful completion students will have the option of earning college credit through Everett Community College, Graph 261 – 5.0 Credits. A grade of a “B” or better is required to earn college credit. CIP Code: 500402 Career Cluster: Arts Audio / Video Technology Communications Program Area: Skilled and Technical Science Location: JHS	Preparatory
---	-------------

This is a continued study of Graphic Arts I at an advance level. Concept development procedures in visual communication problems will be developed for graphic art problems. Vector graphics, raster optics, layout and design will be used in single compositions. Students will begin work in 3-D modeling, 2-D animation concepts and introduced to 3-D animation. Individuals will create storyboards and computer models for illustrations that are animated and that are still, with polygons and NURBS constructions (Flash, Rhino, MAYA). Students will be given a choice as to work in 2-D or 3-D graphics. Emphasis will be on the principles of art, organization, production techniques, building a portfolio, and developing drawing skills.



AP Studio Art

Registration Code: CTE 391/392 or FAA 463/464 Grade Levels: 10-12 Credits: 1.0 Fine Arts, Occupational or Elective Credit Length: Two Semesters Prerequisites: Other: Students who earn a score of 3, 4 or 5 on their portfolio can get 5 credits in ART 115 at Everett Community College. This art credit is then transferable to the UW to fulfill one of their general graduation requirements. Students can get art elective credits at CWU and WSU. At WWU, students can get art elective credits that are applied toward their Humanities graduation requirement. It is only the UW that will not directly transform the studio art portfolio score to credits but instead uses the portfolio for placement. Studio Fee: Studio fees may apply CIP Code: 500402 Career Cluster: Arts Audio / Video Technology Communications Program Area: Skilled and Technical Science	Preparatory
---	-------------

Location: CHS & JHS

This two-semester course enables motivated students to perform at the college level while still in high school. The AP Studio Art portfolio culminates in a performance-based submission portfolio rather than a written exam. Students will work in the 2-D portfolio for Graphic Arts portfolio. Students may submit portfolios for each course, but not in the same year. Portfolios may be submitted as early as 10th grade; however, the AP portfolio should be viewed as the culminating experience of a student's secondary visual arts training. Each portfolio requires submissions in three distinct sections designed to assess different aspects of student performance: Section 1: Quality – the development of a sense of excellence in art; the students selects works that best exhibit a synthesis of form, technique, and content. Section 2: Concentration – an in-depth commitment to a particular artistic concern; the student demonstrates depth of investigation and process of discovery. Section 3: Breadth – a variety of experiences in the formal, technical, and expressive means available to an artist; the student demonstrates a serious grounding in visual principles and material techniques. Students may submit the AP portfolio as their application portfolio for consideration for acceptance to a college art programs. An AP portfolio rated 3, 4, or 5 may substitute as entry-level college art. Students keep all artwork they create.



Graphic Design III

Registration Code: CTE 359/360 or FAA 155/156 Preparatory
Grade Levels: 9-12
Credits: 0.5 Fine Arts, Occupational or Elective Credit
Length: One Semester
Prerequisites: Graphic Design II
Other: Upon successful completion students will have the option of earning college credit through Everett Community College, Graph 261. A grade of a “B” or better is required to earn college credit.
CIP Code: 500402
Career Cluster: Arts Audio / Video Technology Communications
Program Area: Skilled and Technical Science
Location: JHS

This is a course that prepares individuals to apply artistic techniques to technical and commercial art concepts. This includes instruction in computer-assisted art and design using vector and raster optics, using, traditional art medias, digital imagining, communication skills, and commercial art business operations. Individuals will create storyboards and computer models for illustrations that are animated and that are still, with polygons and NURBS constructions. (Flash, Rhino, MAYA)Advanced production techniques will be used to create images for use in multimedia, print media, and web design. Emphasis will be on layout and composition, and development strategies for use with web, multimedia, print, and video production. Individuals will develop visual presentation skills of information and data, develop drawing skills, and build a personal portfolio's.

SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)



Engineering the Future

Registration Code: CTE 375/376	Preparatory
Grade Levels: 9-12	
Credits: 1.0 Science, Occupational or Elective Credit	
Length: One Year	
Prerequisites: Coordinated Science, Geometry	
Other: Strongly encouraged to have taken or currently enrolled in geometry	
CIP Code: 151304	
Career Cluster: Science Technology, Engineering and Math	
Program Area: Skilled and Technical Science	
Location:	

This class introduces students to the world of technology and engineering as the first step in becoming technologically literate citizens. In this project based hands-on learning environment, students apply science, mathematics, and engineering concepts to design solutions to real world practical applications.



Robotics Technology

Registration Code: SCI 307/308	Exploratory
Grade Levels: 9-12	
Credits: 1.0 Science or Occupational Credit	
Length: One Year	
Prerequisites: Biology; Algebra II Trigonometry or concurrently enrolled in Algebra II Trigonometry; highly recommended concurrent enrollment	
Other:	
CIP Code: 150405	
Career Cluster: Science, Technology, Engineering and Mathematics	
Program Area: Skilled and Technical Science	
Location: CHS, EHS, JHS	

Robotics is a project-based course in which students explore the design, programming, and fabrication of robotics equipment and technology. Students will explore the applications of robots in industry, and understand the implications of robotics in society. The course will consist of principles of engineering, physics, electronics, mechanics, and computer programming. The design process will be emphasized as the robots are tested and designs modified. Teamwork and collaboration will be an essential component of the class.



Technology Foundations (Coordinated Science)

Registration Code: SCI 101/102	Exploratory
Grade Levels: 9-12	
Credits: 1.0 Occupational, Elective or Science Credit	
Length: One Year	
Prerequisites: None	
Other:	
CIP Code: 210198	
Career Cluster: Science, Technology, Engineering and Mathematics (STEM)	
Program Area: Skilled and Technical Science	
Location: CHS, EHS, JHS, SHS	

This course covers the earth and physical science portions of the state standards. Major areas of study include the structure and history of the universe, plate tectonics, climate, energy, chemistry, and force and motion. Students develop science inquiry skills and knowledge, focusing on the use of evidence to form conclusions. Laboratory investigations, activities, and projects will focus students on developing problem solving and scientific process skills. Lab activities are an important component of this course so good attendance is critical to success.



Honors Technology Foundations (Coordinated Science)

Registration Code: SCI 151/152	Exploratory
Grade Levels: 9-12	
Credits: 1.0 Occupational, Elective or Science Credit	
Length: One Year	
Prerequisites: 9 th grade: Recommendation by 8 th grade science teacher, successful completion of Algebra I and concurrent registration in Honors Geometry highly recommended	
Other:	
CIP Code: 210198	
Career Cluster: Science, Technology, Engineering and Mathematics (STEM)	
Program Area: Skilled and Technical Science	
Location: CHS, EHS, JHS, SHS	

This laboratory course covers the earth and physical science portions of the state standards. Honors Coordinated Science is designed for, but not limited to, college bound students, especially those interested in the field of science. Students develop science inquiry skills and knowledge, focusing on the use of evidence to form conclusions. Major areas of study include the structure and history of the universe, plate tectonics, climate, energy, chemistry, and force and motion. Laboratory investigations, activities, and extended projects will focus students on developing problem solving and scientific process skills. Lab activities are an important component of this course so good attendance is critical to success.



Introduction to Research in Science and Engineering

Registration Code: SCI 473/474	Exploratory
Grade Levels: 11-12	
Credits: 1.0 Occupational, Elective or Science Credit	
Length: One Year	
Prerequisites: Technology Foundations / Coordinated Science, Biology, and Teacher recommendation	
Other:	
CIP Code: 149994	
Career Cluster: Science, Technology, Engineering and Mathematics (STEM)	
Program Area: Science and Math	
Location: CHS, EHS, JHS, SHS	

Science research and engineering is designed to be a student-initiated independent research course, which requires a substantial amount of self-discipline to complete successfully. A brief introduction to the nature of science research will be followed by substantive literature review and individual project design, analysis, and presentation.



Physics by Design

Registration Code: SCI 471/472	Exploratory
Grade Levels: 10-12	
Credits: 1.0 Occupational, Elective or Science Credit	
Length: One Year	
Prerequisites: Biology and Algebra II required; Chemistry recommended	
Other:	
CIP Code: 140102	
Career Cluster: Science, Technology, Engineering and Mathematics (STEM)	
Program Area: Science and Math	
Location: CHS, EHS, JHS, SHS	

Physics by Design is an inquiry based science course that uses design challenges to demonstrate physics concepts. This class is recommended for all students interested in sciences, mathematics and engineering. Physics concepts are presented through real-world challenges such as building an improved safety device for cars, designing a roller coaster for select populations, or designing a toy that utilizes electricity concepts. Topics include mechanics (the study of motion, forces, work and energy in mechanical systems), static electricity, electric circuits, magnetism, light and optics and the historical development of physics concepts. Lab activities and field work are an important component of this course. Good attendance is critical to success.

AGRICULTURE AND SCIENCES



Floriculture I (Floral Design I)

Registration Code: CTE 431/432	Exploratory
Grade Levels: 9-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: None	
Other: Continuation to Floriculture II is strongly recommended	
CIP Code: 01.0608	
Career Cluster: Agriculture, Food and Natural Resources	
Pathway Area: Agricultural Education	
Location: EHS	

This course is designed to introduce students to the basics of the Retail Flower Shop. Students will learn basic techniques in arranging flowers, bud vase designs, corsages, bow making as well as studying and putting into practice the elements & principles of design, care & handling of flowers and more. Topics covered also include Careers in the Floral Industry, The History of Floral Design, Design Styles, Work Safety, Cut Flower Identification and more.



Floriculture II (Floral Design II)

Registration Code: CTE 435/436	Exploratory
Grade Levels: 9-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Floral Design I	
Other: Continuation to Floriculture III is strongly recommended for students interested in the Floral Industry	
CIP Code: 01.0608	
Career Cluster: Agriculture, Food and Natural Resources	
Pathway Area: Agricultural Education	
Location: EHS	

This course is a continuation of Floriculture II (Floral Design II) where students will gain advanced design skills in a variety of areas such as Sympathy Work, Wedding Designs, Ikebana-Japanese Flower Arranging as well as Cut Flower Identification and Floral Industry Career Investigation. Students will gain Leadership Skills by setting up a floral business-Gull's Garden by learning the principles of business management, purchasing, storage and delivery systems. Continuation to Floral Design 3 is strongly recommended for students interested in the Floral Industry.



Floriculture III (Floral Design III)

Registration Code: CTE 441/442	Exploratory
Grade Levels: 10-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Floral Design II	
Other: Continuation to Floriculture IV is strongly recommended for students interested in the Floral Industry	
CIP Code: 01.0608	
Career Cluster: Agriculture, Food and Natural Resources	
Pathway Area: Agricultural Education	
Location: EHS	

This course is a continuation of Floral Design II where students will continue to practice advanced design skills. Students will be expected to train other students as they increase their Leadership and Management Skills in the Retail Flower Shop. Topics will include Wedding and Special Event Design, Cut Flower Identification, Interior Plant Identification and Floral Industry Career Investigation.



Floriculture IV (Floral Design IV)

Registration Code: CTE 445/446	Exploratory
Grade Levels: 10-12	
Credits: 0.50 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Must have met the standards of Floral Design III	
Other:	
CIP Code: 01.0608	
Career Cluster: Agriculture, Food and Natural Resources	
Pathway Area: Agricultural Education	
Location: EHS	

This course is a continuation of Floral Design 3 where students will practice advanced design skills. Students will also be expected to train other students as they increase their Leadership and Management in a Retail Flower Shop. Topics will include Interior Plant Identification, Interior Plant Care & Maintenance as well as gain the skills needed to start and maintain an Interior Plant Care business.



AP Environmental Science

Registration Code: SCI 593/594 (new) SCI 591/592 (old)	Exploratory
Grade Levels: 9-12	
Credits: 1.0 Occupational, Elective or Science Credit	
Length: One Year	
Prerequisites: None	
Other:	
CIP Code: 030103	
Career Cluster: Agriculture, Food and Natural Resources	
Pathway Area: Agricultural Education	
Location: CHS	

The AP Environmental Science course is designed to be the equivalent of a two-semester college introductory course usually taken during the first year. This course provides student with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.



Environmental Systems Design

Registration Code: SCI 533/534 (new) 531/532 (old)	Exploratory
Grade Levels: 10-12	
Credits: 1.0 Occupational, Elective or Science Credit	
Length: One Year	
Prerequisites: Coordinated Science and Biology	
Other:	
CIP Code: 030198	
Career Cluster: Agriculture, Food and Natural Resources	
Pathway Area: Agricultural Education	
Location:	

This course offers students engaging, project based experiences in science and environmental education. The course is a strong alternative for students not wishing to take chemistry or physics. The first part of the course engages students in a series of project based investigations on energy generation, water management, and land use. The second part looks at the earth's environmental systems through astrobiological views by having students analyze the earth's dynamics as an extraterrestrial visitor. The class will emphasize group collaboration and incorporate environmental stewardship and advocacy.

WORK BASED LEARNING

Worksite Learning Experience

Registration Code: CTE 501/502	Exploratory
Grade Levels: 11-12	
Credits: 0.5 Credits for 180 hours – Occupational or elective	
Length: One Semester	
Prerequisites: Must be employed	
Other: Teacher must be Work Based Learning Coordinator	
Grade: S / U or Pass / Fail	
CIP Code: 528888 (Bus Ed), 528889 (Mkt Ed), 118888 (T&I)	
Career Cluster: Business, Management and Administration	
Location: CHS, EHS, JHS, SHS	

This experience occurs outside of the school day. Students combine work experience with a connecting CTE class. The student must be legally and gainfully employed and be sixteen years of age. Once a week, students in Worksite Learning will meet with the teacher to update forms, turn in pay stubs that verify that the job is a paid position, and meet their required student worksite learning plan. Credit will be awarded for meeting the minimum required hours and based on evidence of improvement of employability skills. A worksite supervisor will provide a performance evaluation before credit is granted. This class may be repeated for credit.

Worksite Learning Internship

Registration Code: CTE 505/506
Grade Levels: 11-12
Credits: 0.5 Credit for 90 hours – Occupational or Elective
Length: One Semester
Prerequisites: Good school attendance. No behavior referrals. Approval required from counselor
Other: Teacher must be Work Based Learning Coordinator
Grade: S / U grade or Pass / Fail
CIP Code:
Career Cluster:
Location: CHS, EHS, JHS, SHS

Experience a career and apply academic skills in the workplace. Students will complete a combination of worksite learning, research, reflection and performance demonstration for a total of ninety hours. The students worksite placement must relate to the students career pathway. This unpaid experience requires the student to have an approved learning plan. A worksite supervisor will provide a performance evaluation before credit is granted.

Worksite Learning Volunteering

Registration Code: CTE 509/510
Grade Levels: 11-12
Credits: 0.5 Credit for 90 hours – Occupational or Elective
Length: One Semester
Prerequisites: Good school attendance. No behavior referrals. Approval required from counselor
Other: Teacher must be Work Based Learning Coordinator
Grade: S / U grade or Pass / Fail
CIP Code:
Career Cluster:
Location: CHS, EHS, JHS, SHS

The purpose of this class is to promote student participation in the community by volunteering. This unpaid experience requires the student to have an approved learning plan. Students will complete the required forms and a reflective paper on their experience. A worksite supervisor will provide a performance evaluation before credit is granted.



Career Choices

Registration Code: CTE 515/516 GRD 401/402 Exploratory
Grade Levels: 11-12
Credits: 0.5 Occupational or Elective credit
Length: One Semester
Prerequisites: None
Other: Teacher must be Work Based Learning Coordinator. Upon successful completion students will have the option of earning college credit through Everett Community College (BT 162 – 5 credits). A grade of a “B” or better is required to earn college credit
CIP Code: 320107
Career Cluster: All Cluster
Location: CHS, EHS, JHS, SHS

This course will focus on identifying students’ career and work goals with the objective of preparing them for the competitive job market. Students prepare an EMPLOYMENT PORTFOLIO that will set them apart from other job applicants. Students will be required to attend meetings with their instructor on a weekly basis and complete the required computer projects. This course will focus on the linkage between individual capabilities and the job market.



Senior Seminar

Registration Code: GRD 401/402	Exploratory
Grade Levels: 11-12	
Credits: 0.5 Senior Seminar Credit, Occupational or Elective credit	
Length: One Semester	
Prerequisites: None	
Other: Upon successful completion students will have the option of earning college credit through Everett Community College (BT 162 – 5 credits). A grade of a “B” or better is required to earn college credit	
CIP Code: 320107	
Career Cluster: All Cluster	
Location: CHS, EHS, JHS, SHS	

This course focuses on helping students understand how planning, directing, justifying and presenting are tied to learning. Instructors provide curricular and advisory support for students to review their structuring of an argument; compose a comprehensive letter detailing their beyond high school plans; propose and execute a deliberate pursuit of clear project learning goals and coach communication of their understanding of themselves as a learner in a public presentation. Credit in Senior Seminar is dependent on meeting standard on Everett Public Schools Culminating Exhibition which includes the Reflective Letter, Self-Directed Project, and Culminating Presentation.

Automotive



Automotive Maintenance

Registration Code: CTE 601/602	Exploratory
Grade Levels: 9-12	
Credits: 0.5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: None	
Other: Class taught at CHS. Must provide own transportation	
CIP Code: 470600	
Career Cluster: Transportation, Distribution and Logistics	
Pathway Area: Skilled and Technical Sciences	
Location: CHS, EHS, JHS	

The course is a classroom-oriented study of the major parts and systems of the automobile. The student will be introduced to the theory and operation of automotive systems, consumer awareness, tool identification and use, and auto shop safety. The student may be allowed a limited involvement in the disassembly, inspection and reassembly of automotive components to enhance the understanding of system construction and operation.



Automotive Technology

Registration Code: CTE 605/606 Preparatory

Grade Levels: 10-12

Credits: 0.5 credits per hour per semester. Occupational or Elective Credit

Length: One Year, 2 or more hours

Prerequisites: Successful completion of Automotive Maintenance

Other: Class taught at CHS. Must provide own transportation. Upon successful completion of a “B” or better, students will have the option of earning college credit through Skagit Valley Community College (Automotive Fundamentals AT 100 – 3 credits). This course is designed for students seriously interested in the automotive technology field.

CIP Code: 470604

Career Cluster: Transportation, Distribution and Logistics

Pathway Area: Skilled and Technical Sciences

Location: CHS, EHS, JHS

The Automotive Technology Program prepares students for the highly technical and rewarding careers within the automotive field. As an ASE/NATEF certified program, this concentration features state of the art equipment used in the automotive industry, training from industry experts, and hands on experience with high performance vehicles equipped with the latest technologies. Advanced students in the program will have opportunities to earn nationally recognized ASE certifications, as well as obtain paid internships at local dealerships.



Automotive Technology Internship

Registration Code: CTE 611/612 Exploratory

Grade Levels: 11-12 and Instructor Approval

Credits: 0.5 Occupational or Elective Credit

Length: One Semester

Prerequisites: Automotive Technology class and AR

Other: Class taught at CHS. Must provided own transportation

CIP Code: 470604

Career Cluster: Transportation, Distribution and Logistics

Pathway Area: Skilled and Technical Sciences

Location: CHS, EHS, JHS

The internship experience provides students with an opportunity to apply their automotive technology skills in the work place. This unpaid experience requires the individual to have an approved learning plan. Students will complete a combination of work place learning, research, reflection, and performance demonstration as determined in their learning plan for a total of 90 hours.



Automotive Technology - Work Based Learning

Registration Code: CTE 615/616	Exploratory
Grade Levels: 11-12	
Credits: 0.5 Occupational or Elective Credit	
Length: One Semester	
Prerequisites: Current or previous enrollment in auto Technology and AR	
Other: Class taught at CHS. Must provide own transportation. Teacher must be Work Based learning Coordinator	
CIP Code: 478888	
Career Cluster: Transportation, Distribution and Logistics	
Pathway Area: Skilled and Technical Sciences	
Location: CHS, EHS, JHS	

Students participating in the Automotive Technology Program will be given the opportunity to extend their learning in a related paid work experience. A Work Based Learning Coordinator will supervise the work experience. The student-learning plan will include a variety of experiences that advance their skills and proficiencies within their current career objective. Credit will be awarded for meeting the minimum required hours and satisfactory on the job performance.



Automotive Youth Education System (A-YES) – (Paid Summer Internship)

Registration Code: CTE 620	Exploratory
Grade Levels: 11-12	
Credits:	
Length: 8 hours per day for 8 weeks	
Prerequisites: Completion of one year of Auto Technology. Students enter summer after junior or senior year	
Other: Class taught at CHS. Must provide own transportation. Teacher must be Work Based learning Coordinator	
CIP Code: 478888	
Career Cluster: Transportation, Distribution and Logistics	
Pathway Area: Skilled and Technical Sciences	
Location: CHS, EHS, JHS	

This is a two-year systematic mix of academic instruction, industry driven skill development and paid employment based training. The Youth Apprenticeship Program provides youth with academic and occupational skills leading to a high school diploma, industry certified Certificate of Occupational Proficiency and articulation with post secondary training options. Applicants are screened, interviewed and accepted through a joint partnership with local employers, and secondary/post secondary educational programs. See program instructor for program details including specific entrance criteria, length of apprenticeship, wages, tools etc.

Middle School Options

Seventh Grade: Human Body Systems: SCI 701 CIP Code: 510000

Middle school students have a natural curiosity about their bodies and how they work. Use this hands-on science module to tap that curiosity and extend their knowledge. - Students trace nutrients as they are processed by the digestive system, pass into the blood, and are transported to body cells.- Students explore the breathing mechanism: how oxygen enters the body, passes into the blood, and is transported to body cells, where it combines with digested food to release energy. Students investigate the nature of joints and how muscles, bones, and nerves work together.

Seventh Grade: Populations and Ecosystems SCI 701 CIP Code: 030198

An ecosystem is the largest organizational unit of life on Earth, defined by a physical environment and the organisms that make their living there. Students learn that every organism has a role to play in its ecosystem, and has structures and behaviors that allow it to survive. This course provides the first steps of ecological understanding for students, with the hope that their future steps will be considered and measured, with the interests of all life being served. Students investigations include: insect reproductive biology and population dynamics; ecosystem interactions; the concept that food energy is derived from the Sun, which drives life processes: adaptation and variation; genetic variation; natural selection.

Eighth Grade: Energy, Machines & Motion SCI 801 CIP Code: 140102

Students explore both physical science and technological design concepts. In Part 1, students investigate energy transformations and how forces do work to transform energy. They build a battery and develop evidence that energy is stored in the battery. Students next investigate the nature of elastic forces, gravity, and sliding friction and learn how these forces can do work. In Part 2, students learn how simple machines work. They explore the relationship between effort force and effort distance by lifting their sled using inclined planes, pulleys, and levers. They determine the mechanical advantage and efficiency of each machine. In Part 3, students explore the motion of 3 vehicles that they construct. They build a fan car, a mousetrap car, and a roller coaster and determine how the forces applied to the cars changes their speed.

Seventh and Eighth Grade Robotics CIP Code: 150406

This is a project-based course in which students explore the design, programming, and fabrication of robotics equipment and technology. Students will explore the applications of robots in industry, and understand the implications of robotics in society. The course will consist of principles of engineering, physics, electronics, mechanics, and computer programming. The design process will be emphasized as the robots are tested and designs modified. Teamwork and collaboration will be an essential component of the class.