



# Computer Science

*Skills for All Careers*

# Information Technology #1 Source of New Wages 2016 - 2024

**546,100 NEW** IT jobs will be added to the economy 2016 - 2026

2016

2017

2018

2019

2020

2021

2022

2023

2024

# Pathway: Leading Tech Jobs



**Software Engineers**

**Bachelor's Degree**

**\$102,280**

**Web Developers**

**Associate's Degree  
(2 years of college)**

**\$66,130**

**Game Developers**

**Bachelor's Degree**

**\$86,510**

**Computer User  
Support Specialists**

**Associate's Degree  
(2 years of college)**

**\$52,160**

# Computer Science courses leading to over 100 careers

- Advertising Manager
- Aerospace Engineer
- Aircraft Pilot
- Architect
- Art Director
- Astronomer
- Biomedical Engineer
- Chemical Engineer
- Coach
- Computer Programmer
- Editor
- Economist
- Electrical Engineer
- Dentist
- Forensic Scientist
- Financial Manager
- General Practitioner
- Geoscientist
- Graphic Designer
- Market Researcher
- Mathematician
- Medical Scientist
- Meteorologist
- Multimedia Artist and Animator
- Nuclear Engineer
- News Analyst, Reporter
- Pharmacist
- Physical Therapist
- Psychiatrist
- Real Estate Broker
- Statistician
- Surgeon
- Technical Writer
- Translator
- Veterinarian
- Web Designer

# Middle School Student work

[Example Apps using CS for Good](#)

[Website to created in 6th grade](#)

[Example of a short animation](#)

[Link to Morgan Insider](#)

# Computer Science Pathway

## Morgan Middle School Courses

Graphic Design with  
Adobe Photoshop

Animations and  
Games  
App Design

Robotics

Cybersecurity &  
Python

Microsoft Office  
Certifications

## Ellensburg High School Courses

AP Computer Science  
Principles \*  
1.0 Science Credit

Computer  
Programming I \*  
.5 CTE

AP Computer  
Science Java \*  
1.0 Math Credit Or  
1.0 Science Credit

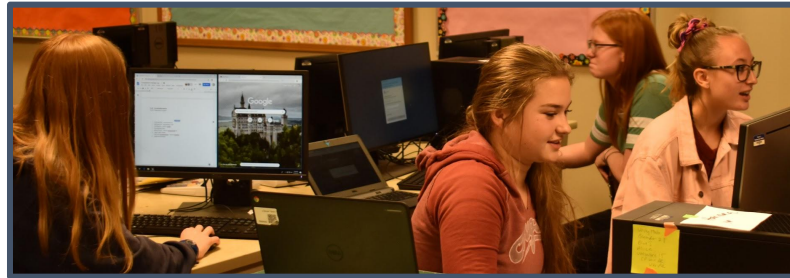
Video Game  
Design I  
.5 Art Credit /  
.5 Geometry

Video Game  
Design II \*  
.5 Art Credit /  
.5 Geometry

\* Indicates Microsoft Certification for MTA

\* Indicates Unity Certification for Game Developers

# Computer Science Student Leadership Organizations teaching students career skills

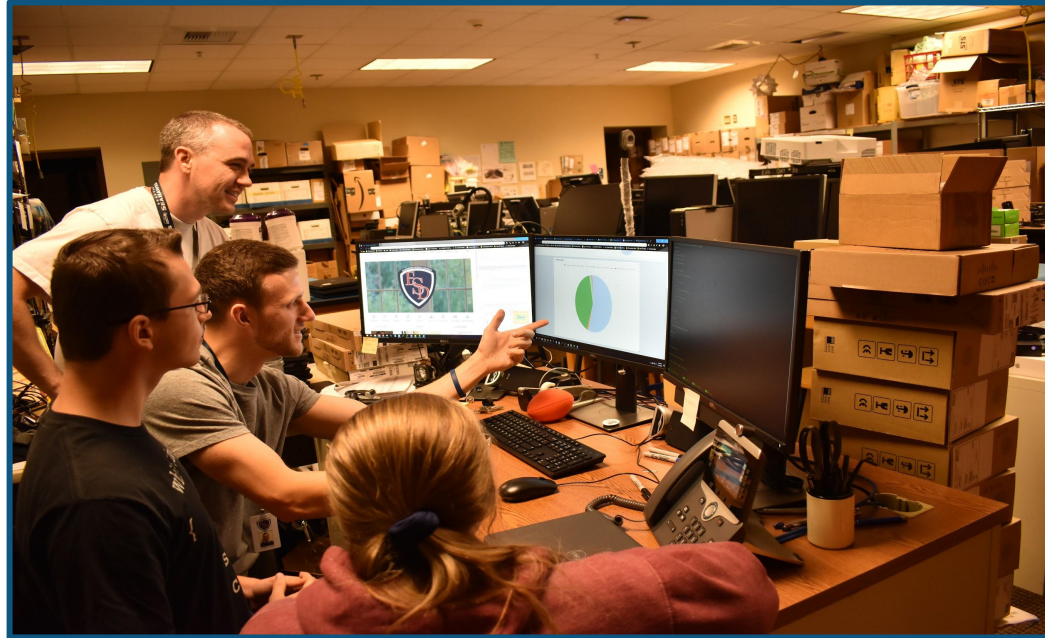


EHS currently has 4 teams competing in the Cyberpatriot /Cybersecurity Competitions. One of our teams is an *all-girl* team.



EHS currently has 6 students competing in the Computer Science events.

# EHS Computer Science Student Internships



Computer Science program partnered with the district's IT Dept and offer EHS internships to work during the summer, gaining work experience and high school credit, while helping our school district.