



# CENTURY HIGH SCHOOL COMPUTER SCIENCE

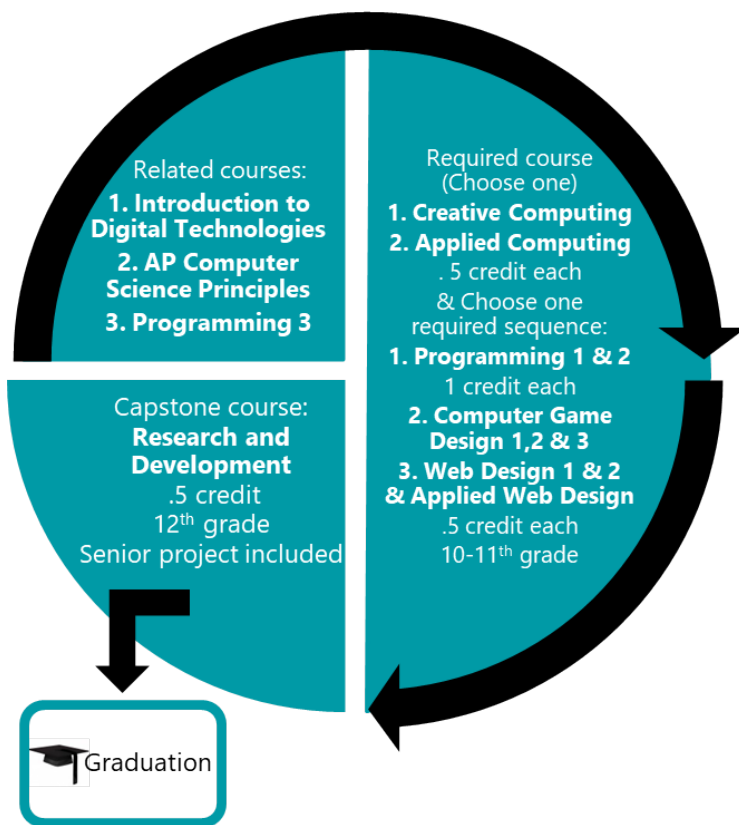
**INSTRUCTOR:**  
**CHRIS WINIKKA**  
winikkc@hsd.k12.or.us

## For students interested in:

- Programming
- Web Design
- Computer Game Design
- Engineering
- Robotics
- Electronics
- Computer Science
- Video Game Design

## SEQUENCE OF COURSES

Please refer to HSD course catalog for more information



## PATHWAY LEADS

### STUDENTS TO:

- Create computer games through the use of a game engine, such as Game Maker or Unity.
- Adept in using basic computer coding and computational thinking
- Solve complex problems both individually and as a team
- Create and maintain web pages using HTML, CSS and JavaScript
- Use Photoshop Creative Suite to create web graphics
- Work on a team and use project management skills

## CAREER POSSIBILITIES & SALARY RANGES

• Computer and Info Systems Manager	\$92,165- \$153,774
• Computer Software Engineer	\$80,517- \$125,008
• Web Developer	\$51,000- \$76,000
• Database Administrator	\$64,522- \$105,477
• Network Administrator	\$54-784- \$62,053
• Software App Developer	\$76,378- \$122,990
• Computer Programmer	\$60,736- \$95,618
• Computer Systems Analyst	\$69,575- \$122,990

## SOME LOCAL COLLEGES & MAJORS

- **PCC**– Associate of Applied Science: Website Development and Design, Network Administration or Computer Info Systems, One-year Certificate: Website Development and Design or Career Pathway certificate: Web Assistant
- **OSU**– Bachelors of Science: Computer Science
- **PSU**– Bachelors of Science: Computer Science or Computer Engineering
- **U of O**– Bachelors of Science: Computer and Information Science

## POTENTIAL LOCAL EMPLOYERS

- Intel
- Qorvo
- Fujitsu Computer Products of America
- Oracle America
- DAT
- Google
- Amazon
- Nvidia Corporation

## CLUBS & PROFESSIONAL ORGANIZATIONS

- Game Design Club
- Girls Who Code
- Association for Computing Machinery
- NCWIT

To learn more about career and college opportunities, make an appointment with your counselor 503-844-1814