



CENTURY HIGH SCHOOL COMPUTER SCIENCE

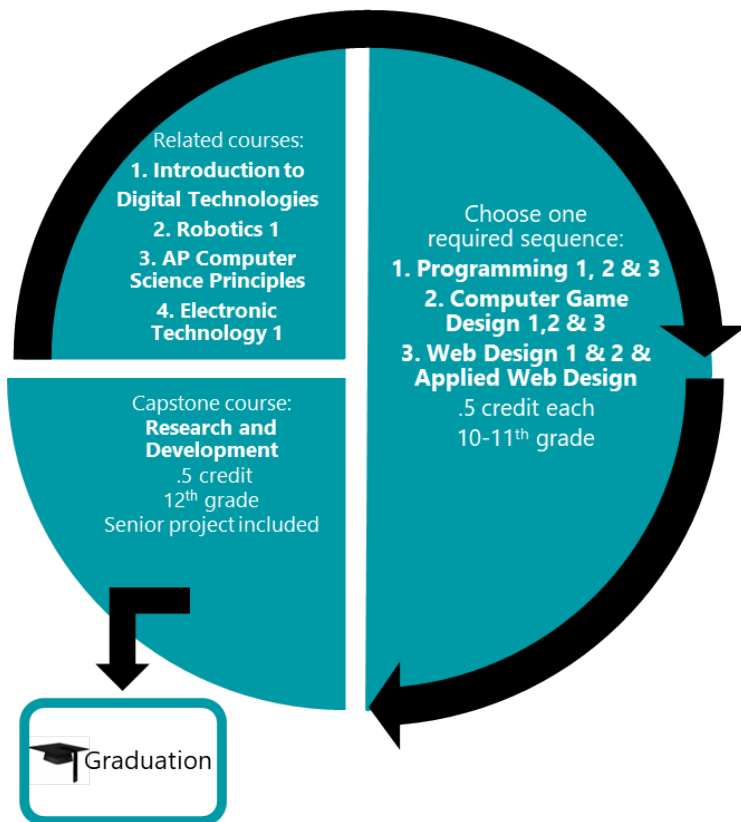
INSTRUCTOR:
CHRIS WINIKKA
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For students interested in:

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

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