

PLTW AP/Honors Computer Science Principles

Ryan Reynolds

rareynolds@spart7.org

[Room 1402](#)

Information to know

Satisfies the Computer Science requirement for graduation.

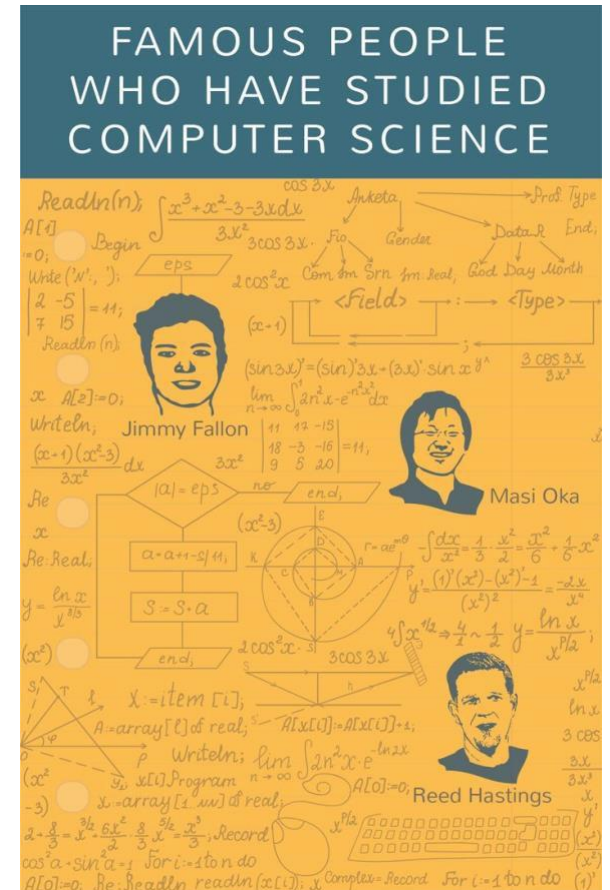
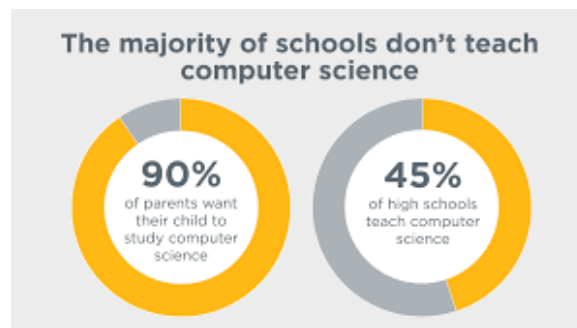
Prerequisite – Algebra I CP or Honors

Recommended for grades 9-12

Viking Majors – PLTW Pathway – Pre-Engineering

What do I gain from taking this class?

Any student that achieves a score of Accomplished or Distinguished on the EOC assessment is eligible to receive dual credit weighting towards their GPA. Students may also be eligible to receive an exemption from having to take a CPT101 course in college.



Interesting facts you should know

Computer and Information

Technology occupations are projected to grow 12% from 2018-2028; much faster than all other occupations

Projected to add about 546,200 new jobs between 2018-2028

Demand for these workers will stem from greater emphasis on cloud computing, the collection and storage of big data, and information security

The median annual wage was \$86,320 in May 2018, which was higher than the median annual wage for all occupations (\$38,640)

Computer and Information Technology Occupations

<u>Occupation</u>	<u>Entry-Level Education</u>	2018 Median Pay
Computer and Info Research Scientist	Master's Degree	\$118,370
Computer Network Architect	Bachelor's Degree	\$109,020
Computer Programmer	Bachelor's Degree	\$84,280
Information Security Analyst	Bachelor's Degree	\$98,350
Software Developers	Bachelor's Degree	\$105,590

Facts and Myths about computer science principles

Facts:

The computing industry boasts one of the highest starting salaries for new college graduates.

68% of Computer Science majors had at least one job offer before graduation

Communication skills are also an important part of computer science

Myths:

Computer scientist are anti-social nerds who sit in their basement typing codes.

If you get a degree in computer science, you will be chained to a chair forever.

Computer science is about programming. Programming is just a tool.