

Information Technology Cluster



AP + PLTW Computer Science Program

SY 2018-19

PROGRAM OF STUDY OVERVIEW:

At a time when computer science affects how we work and live, PLTW Computer Science empowers students to become creators, instead of merely consumers, of the technology all around them. Whether building apps or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. The program's courses empower students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. PLTW Computer Science courses are part of the AP + PLTW computer science pathway. Students have the opportunity to pass the AP Computer Science Principles and AP Computer Science A Exams.



Entrance Grade	PLTW Computer Science Essentials	PLTW Cybersecurity	AP Computer Science Principles	AP Computer Science A
	1 Credit	1 Credit	1 Credit	1 Credit COMPLETER
9th Grade Entrance	Fall Freshman	Fall Sophomore	Spring Junior	Spring Senior

IN THIS PROGRAM

Whether building apps to meet client needs or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. The program's courses empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose.

COURSE SEQUENCE

- PLTW Computer Science Essentials
- PLTW Cybersecurity
- AP Computer Science Principles
- AP Computer Science A

For course descriptions, please see the *WCPS Course Catalog* @ <https://www.worcesterk12.com/>

STUDENT ORGANIZATION



POTENTIAL AP CREDIT

- *AP Computer Science Principles*
- *AP Computer Science A*

EARLY COLLEGE CREDIT PARTNER



There are many colleges in the United States and abroad that offer degrees in computer science fields.

REVISED 6/12/18