COMPUTER SCIENCE @ TCCHS

Q. What will I learn?

A. You'll learn about different types of computers and how they work, computer networks – including the internet, how to solve problems with computers, how to create apps and software – coding, how to create a web page with html, computing careers, and more.

Q. Are these hard classes?

A. Computer Science classes are academically demanding and require your full attention and effort. Come to class ready to apply computational thinking to solve problems. AP® classes are equivalent to college level courses.

Q. Do I get to play games in class?

A. Yes; but **only** if **YOU** create them!

Q. I'm qualified. Should I take the class?

A. Yes! If you enjoy solving problems, are interested in Computer Science, and are willing to work hard, you will succeed!

COMPUTER SCIENCE PATHWAY

GRADE 9	GRADE 10	GRADE 11	GRADE 12	COURSE NAME
X	X	X	X	INTRODUCTION TO DIGITAL TECHNOLOGY Course Number 11.41500
	X	X	X	COMPUTER SCIENCE PRINCIPLES Course Number: 11.47100 OR AP® COMPUTER SCIENCE PRINCIPLES
			X	AP® COMPUTER SCIENCE A *Algebra II

PROGRAMMING PATHWAY

GRADE 9	GRADE 10	GRADE 11	GRADE 12	COURSE NAME
X	X	X	X	INTRODUCTION TO DIGITAL TECHNOLOGY Course Number 11.41500
	X	X	X	COMPUTER SCIENCE PRINCIPLES Course Number: 11.47100 OR AP® COMPUTER SCIENCE PRINCIPLES
		X	X	PROGRAMMING, GAMES, APPS, AND SOCIETY Course Number: 11.47200

All courses require prerequisite B or higher in Algebra and successful completion of previous course.

High School Graduation Credits

Two years Computer Science may be used to count for Foreign Language credit

OR

One Computer Science course may be used to count as a Fourth Science credit

OR

One Computer Science course may be used to count as a Fourth Math credit

Why study Computer Science?

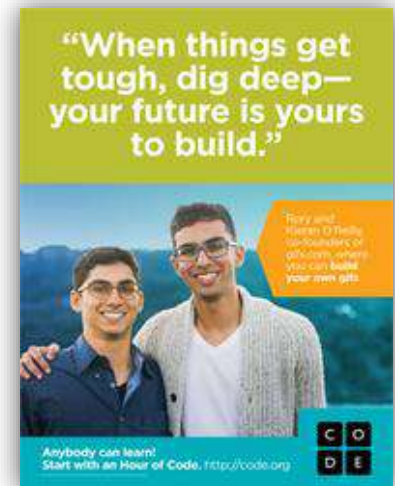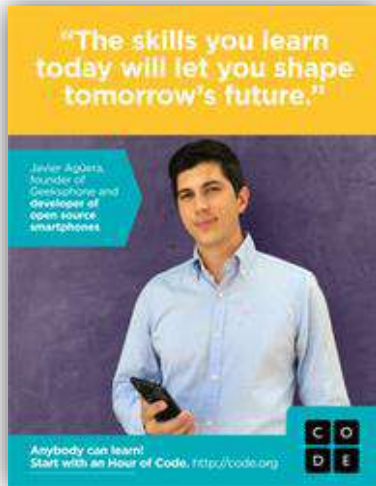Because it's cool! Plus…

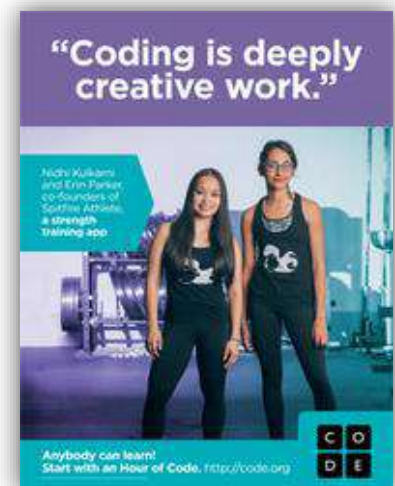You will learn problem solving and critical thinking skills as you create apps, games, websites, and more

CS jobs are in high demand and pay well

Prepare for college – learn coding now! It is required for engineering, science, and many other tech majors

COMPUTER SCIENCE @ TCCHS

"The skills you learn today will let you shape tomorrow's future."

Javier Agüera, founder of Geeksphone and developer of open source smartphones

Anybody can learn! Start with an Hour of Code. http://code.org

SCRATCH

TRY IT OUT

Java™

ORACLE® ACADEMY

"When things get tough, dig deep— your future is yours to build."

Rory and Kieran O'Reilly, co-founders of gifs.com, where you can build your own gifs

Anybody can learn! Start with an Hour of Code. http://code.org

python™

AP® CollegeBoard
Advanced Placement Program

MIT App Inventor

"You can be a creator and an artist, not just a consumer."

Madison Maxey, founder of The Crated, a smart-fabric technology company

Anybody can learn! Start with an Hour of Code. http://code.org

PROJECT LEAD THE WAY
PLTW

CSS HTML
```html
<html>
<title>HTML</title>
<body>
This is HTML!
</body>
</html>
```

"Coding is deeply creative work."

Nidhi Kulkarni and Erin Parker, co-founders of Spitfire Athlete, a strength training app

Anybody can learn! Start with an Hour of Code. http://code.org

FOR MORE INFORMATION
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