



# Learn Computer Science

A week of Computer Science PD geared towards middle and introductory high school computer science teachers.

### Choose a Week:

July 9 – July 13, 2018  
July 30 – August 3, 2018

Hosted at The Vault in Columbia, SC

### Cost: Free

Funded by Google CS Educator PD Grant

Limited Availability

Registration is first-come, first-served  
Waitlist Available

Register Online at:  
[itcarolina.org/teachers](http://itcarolina.org/teachers)

1

## INTRO TO COMPUTER SCIENCE

Let's take a look into human computer interaction and the societal impacts of computing. We will analyze the role computer science and computing devices play in every day life, as well as take a look inside how these devices work.

2

## THINK LIKE A COMPUTER

Learn how to "Think Like a Computer" as you solve computational problems through engaging, interactive activities. We will simulate a computer science classroom as we learn about problem solving, algorithms, data analysis and more!

3

## BLOCK-BASED PROGRAMMING

MIT's block-based programming platform, Scratch is the #1 tool for teaching introductory programming and coding! With its "low floor" and "high ceiling", Scratch can be used to create animations, interactive games, slideshows and more!

4

## ROBOTICS

Learn how computers can control hardware by programming robots. Using a visual programming language, we will learn to not only drive a robot, but also learn to program them to interact with their surroundings using a variety of sensors.

5

## WEBSITE DESIGN

Did you know that every website on the internet is built on a foundation of HTML and CSS? We will learn how to use these two languages to create web pages.



**Carolina Institute  
of Technology**

The Vault  
912 Lady Street, Unit 400, Columbia, SC 29201  
803-764-7958 || [info@itcarolina.org](mailto:info@itcarolina.org)