Essential Question

What is it like to work as a software developer?

Vocabulary

- **Algorithim–** A set of step-by-step instructions used to solve a problem or perform a task.
- **Code–** The written instructions used in programming language that tells a computer what to do.
- **Software Developer Life Cycle–** The process developers follow to plan, design, build, test and maintain software.

Before Viewing
Have students jot down answers to the following questions:
- What does it mean to be a software developer?
- What are the job duties of a software developer?
- What is the typical work environment of a software developer?
- What tools are used by a software developer to do his/her daily tasks?
- What is the education required to be a software developer?
- What are the skills necessary for being a software developer?

While Viewing
Have students think about the "Before Viewing" questions and write down the correct answers

After Viewing Activities
Have students discuss in pairs or small groups their answers to the "Before Viewing Questions" as well as the Discussion Questions for this resource.

The Careers That Work collection contains various activities for each featured career.

Grades 4-7
Career Information Worksheet
Create Your Own Software Activity
Use these activities to stimulate discussion around the Software Developer career.

Grades 8-12
Career Presentation
Divide your class into groups and ask them to present on the various topics around the Software Developer career.