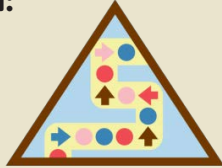


## Coding for Good 1: Coding Basics



### Badge Overview

Find out how computer scientists write programs for computers to solve problems. When you've earned this badge, you'll know how programmers write programs that make computers work and how people can use computers to help others.

### Badge Components

#### 1. Create algorithms for a computer that follow a sequence

An algorithm is a set of instructions designed to perform a specific task. This can be a simple process, such as move forward 2 spaces and turn left.

- On the Code.org website complete 1. Learn to Drag and Drop, 2. Sequencing with Scrat and 3. Programming with Angry Birds. (FYI videos advertising other sections of the website pop up between sections but you can just dismiss them.)

#### 2. Use loops to improve your algorithm

- On the Code.org website complete 7. Loops with Scrat

#### 3. Use events to make things happen

- On the Code.org website complete 12. A Royal Battle with Events

#### 4. Learn about women in computer science

Do some research on Ada Lovelace and Grace Hopper to find out why they are so important to the development of computer science.

#### 5. Create your own set of commands that use events

- Go to the Dance Party section of the code.org website. Click on START and complete the section. If you are enjoying learning about coding you can complete part 2 also.

### Materials

- Computer or tablet

### Florida Educational Standards

The content of all Girl Scout national proficiency Badges and Journeys have been correlated by grade level to national and state learning objectives.

Click here for more information on how Girl Scout Badge-work supports Florida's educational standards.



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