Week 6
Girls Who Code
Middle School
One person stands in the center with a newspaper. That person must try to get out of the center by using the newspaper to hit the person whose name is called. The person whose name is called needs to call someone else's name to avoid going into the center.
Michelle and Amy have 3 secret phrases that they will try to sneak into today’s class.

Pay attention and try to guess what they are!
The m&m's Game

Tell about yourself, depending on what color you pull out of the bag!

- Tell something you like to do at recess, after school, or on weekends.
- Name a favorite food.
- Tell about someone in your family, or a pet.
- Name a favorite book, or a topic you like to read about.
- Name a favorite animal and tell why you like it.
- Tell something you did this summer.
For Loops
Let's Review!
For Loops Review

Creates a variable i. We use it to count how many times to run the loop.

Tells the loop to run while i < 5 is true.

Increments i by 1 each time the loop runs.

Tells the computer what to do each loop.

```javascript
for (var i = 0; i < 5; i = i + 1) {
  print(“Eat!”);
}
```
I really like ice cream. I want to eat all of the ice cream. As long as there is still at least one bite of ice cream in the bowl, I will eat a bite of ice cream.
While Loops

var i = 0;
while (i < 5) {
    print("Eat!");
    i = i + 1;
}

Creates a variable i. We use it to count how many times to run the loop.

Tells the loop to run while i < 5 is true.

Tells the computer what to do each loop.

Increments i by 1 each time the loop runs.
While Loops

How many trees will you draw?

```javascript
var numTrees = 0;
while (numTrees < 5) {
    //drawTree() draws a tree
drawTree();
    numTrees = numTrees + 1;
}
```
While Loops

What is wrong with this code?

```javascript
var numRabbits = 0;
while (numRabbits < 5) {
    //drawRabbit() draws a rabbit
    drawRabbit();
}
```
Worksheet Time!
Let’s get out our pens and pencils!
Coding Time!

Let’s hop on Khan Academy!