Coding Game

(Suggested Ages: 6+)

Gather

- Yourself and a friend or family member
- Blindfold - like a bandana
- Big empty space
- Game objects, like a book, or a bowl with a few items in it

Let's Play!

1. Clear a space for your game area, and decide what the game's challenge will be. For example, it could be picking up a book on the other side of the room. It might seem simple, but if someone is blindfolded, they will need precise directions to complete the challenge. For example, your directions might look like this:
   "Take 2 steps forward. Turn ¼ of the way to your right. Take 1 step. Turn ½ of the way to your left. Take 4 steps. Bend down. Reach your arms forward. Lower your arms 8 inches. Wrap your fingers around the book."
2. Decide who will be your coder and who will be the computer.
3. Try to make a (safe) obstacle course for your "computer" to move through.
4. Who can get all the way through the challenge or the course all the way?!

How Does it Work?

Coding basically means telling a computer exactly what to do in a language that they can understand. As humans with lots of senses and an ability to "fill in the blanks" where exact instructions are missing, we take for granted how much detail is needed when explaining a task! Did you have a hard time playing the game when you couldn't see? Did you really need to think about how to tell your partner how to move? It's challenging!

Take it Further!

Try out the following online coding games and activities to learn more about coding!

https://scratch.mit.edu/
https://codecombat.com/