



Lesson 9: Mini Hackathon #1

CuteBot Rules:

1. Only run bots on designated mats
2. Limit speed to $< 75\%$ (unless otherwise specified)
3. Unplug batteries when not in use
4. Do not drop the CuteBots

If you break any of these rules, you can choose:

- A. Do 3 burpees
- B. Sing "I'm a Little Teapot" song
- C. Do 10 jumping jacks

What is a Hackathon?

- Comes from the words "hacking" + "marathon"
- An event where participants engage in fast and collaborative engineering/programming over a short period of time
- The goal is to create functioning software (or hardware) by the end of the event
- Participants are tasked with making a program that follows a given theme or helps solve a problem

Teamwork

- Working as a team is an important part of software development
- Make sure everyone in the team has their ideas heard and incorporated into the project
- Think about how you can split up tasks
 - One person could figure out the code needed to move the Cutebot while someone else could work on the code needed to use the Sensors
 - Maybe one person is looking through references to help get a better understanding of how to use certain blocks

Hackathon Challenge

- Our challenge will be have our Cutebots race each other using remote controllers
- The Cutebots can ONLY move if the remote control is being shaken, can not just use a and b buttons
- Think of unique ways to implement other features:
 - Turning
 - Stopping
 - Making Sounds/Animations



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