



# **Lesson 10:**

## **Mini**

### **Hackathon #2**

# 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



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# Hackathon Challenge

- Our challenge will be to create a program for our Cutebot to navigate a maze using a remote controller
- At the end of the maze will be a lego person to pick up and bring back to the start
- What clever ways can you use the Cutebot/Micro:Bit features to help avoid hitting the walls and to make your journey more exciting?



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# The End

- What are some of the sensors you've used in this course?
- What did you learn about robotics?
- What were your favourite parts?
- What did you not like?



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