

Temperature Tales

60 minutes

Microbit Basics

WHAT THIS LESSON DOES

In this step-by-step lesson, you'll first set up your Microbit on the coding platform. Then, you'll write code to read the temperature from the Microbit's sensor. You'll create a narrative that changes based on temperature readings, code this story into your Microbit, and finally present your temperature-responsive story to the class.

WHAT STUDENTS SHOULD BE ABLE TO DO

- Understand and utilise the Microbit coding platform to set up a new project.
- Develop the ability to read and display temperature data using Microbit's temperature sensor and coding blocks.
- Create a narrative that varies based on different temperature ranges.
- Apply logical coding constructs to display different parts of the story depending on the current temperature.
- Present and explain the temperature-responsive story, demonstrating understanding of how the code manipulates the narrative based on temperature changes.

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HOW THE LESSON RUNS

Step 1: Setting Up Your Microbit

Step 2: Reading Temperature

Step 3: Creating Your Story

Step 3: Coding Your Story