

Session Title

Programming Bolts with JavaScript

Presenter Name

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Elevator Pitch

The Sphero Bolt robot has joined schools across Maine. Packed with features and sensors, Bolt can be programmed with blocks, but we're going to show you how easy it is to program Bolt using JavaScript! We'll start by drawing on the LED matrix, then on to the challenge of movement using a loop. Blocks are a great way to get started with coding, but learning to text-code is the next step. Join us and let's take the next step together!

Materials

Devices, SpheroEdu App; [Trailer](#)

Overview

In this session, students will learn about programming the Sphero Bolts using JavaScript to create an image on the LED matrix and to create a square path on the floor using a loop in their code, which is particularly challenging due to the nature of how the heading is handled.