

Grade: 2nd Grade

Curriculum Subject: Sequencing/Coding

Tools: Sphero and Google Slides

Environment: Students will be broken up into groups of 4. They will work together on the coding for Sphero and contribute equally on Google Slides.

Synopsis: In this lesson, students will learn sequencing and problem solving using the class Sphero. I will break up the class into groups of 4 and have them work together. At their tables, the groups will have poster boards to construct “obstacle courses” on. This will take some planning, so they are instructed to record each step as they do it. The obstacle course must contain at least 3 turns and one turn around for Sphero. Once they have completed their posters, the groups will go one at a time for a 10 minute programming session with Sphero. They will use their poster and program Sphero to complete the course. In Google Slides, the teams will put together the steps of this activity, including their planning, their obstacle course details, and the sequencing they put into the Sphero app. The teams will then present their power point and obstacle course to the class.