



I See Your Angle and You're Right.

Materials:

- Charged Sphero Mini (one per student or group)
- One compatible device per Robot (one per student or group)
- Sphero Edu app
- Masking tape
- Large flat surface
- Protractor (one per student or group)

Description: Students will use the Sphero Mini to practice creating, measuring and identifying angles.

Teacher Technology Skills: Sphero Mini, Sphero Edu

Standards: NY-4.MD Geometric measurement: understand concepts of angle and measure angles:

5. Recognize angles as geometric shapes that are formed wherever two rays share a common endpoint and understand concepts of angle measurement.
6. Measure angles in whole-number degrees using a protractor. Sketch angles of specified measure

Procedure:

1. On a large flat surface taped out several types of angles.
2. Have the students measure, with their protractor the various angles and identify if they are acute, obtuse, or right.
3. Next, with the Sphero Mini in draw mode have the students code the robot to trace the angle that is taped out on the flat surface.
4. Last, once they have mastered the angles, challenge them to create their own acute, obtuse, and right angles in draw mode with the Sphero Mini

***A fun way to do this could be by playing *Simon Says*.**

Extension: Have the students use block coding to trace and create their angles.