

Sphero Bowling

Materials required: masking tape, red solo cups (or similar large plastic cups), Sphero 2.0

Lesson:

1) On the floor, use masking tape to create various triangles. At each vertex, label with 1, 2 and 3. Also tape a very small X on the floor somewhere inside or outside of the triangle.

2) Place one cup on vertex 1, 2 cups on vertex 2, and 3 cups on vertex 3.

3) Ask students to place the Sphero on the X and program it to knock over the cups, in order of 1, 2, 3.

Options:

a) Students make their own triangle (complete with solved solution) and challenge other students to complete it.

b) If you have multiple triangles taped on the floor, students record the number of cups they knocked down in a given number of tries. Move to the next triangle and keep record of the cups they've knocked down.

Debrief:

a) process used to zone in on the angle measurements?

b) which triangles were more challenging?