

Graphing Mini Lesson

Grade Level

- 5th

Technology

- Spheros
- Explain Everything Whiteboard App

Curriculum

- Geometry

The students will be using Spheros and the Explain Everything Whiteboard App to practice graphing points and lines on a coordinate grid. Students will be using coordinate planes pre-drawn on the ground. Some of the coordinate grids contain multiple points, while others have formulas for lines written beneath them. Students will be divided into groups of 4 during this activity. Each group will receive its own set of coordinate planes.

Students will collaborate to use the explain everything whiteboard app to brainstorm and show their work. They will have to create the formula for lines that connect two points in the coordinate plane. The app will record their answers so that they can be sent to the teacher.

Then students will work together to use the Spheros to graph their lines. The Spheros are round robots that can be controlled via the iPad. The students will direct the Sphero to follow the formula of the line that they have created. If the formula is correct, the Sphero will move from point A to point B. For the coordinate grids that have formulas already listed they will have to program the

Sphero to follow the path and then will use Explain Everything Whiteboard to record the coordinates for point A and point B of the line.