Use the Compass Sensor to graph a circle with 7 radii

Working with a partner or group,
- Create a circle with its center at the origin
- Place an edge of your device on the origin
- Moving your device around the circle, graph 7 radii based on where the compass changes from one note to the next
- Mark each section of the circle with the note it plays using the Science Journal pitch sensor.
- Challenge: once your graph is created, plot points on the graph, write the letter names of those notes, and play your new composition

Learning Objectives

Experiment with variables to see a change in results.
Compare how the direction of the device and the sensor affects the strength of the reading.
Experiment with different sensor directions in order to evaluate their impact on sound and pitch.
Play an original or given composition of music using data

Sensor Sounds: Compass Educator's Guide
Sensor Sounds: Introduction Video
Getting Started with Google's Science Journal

STEAM Lessons with OK Go!
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