

TopoBot Motion Testing

Name _____

Date _____

Objective:

In this activity place your TopoBot on the horizontal bar at the start position. You are required to program your TopoBot to go forward 150 cm and take 30 equally-spaced readings with the ultrasound detector. Then the TopoBot must return to the start position on its own (it should NOT take readings on the return trip).

When the TopoBot successfully completes a full traverse (down and back, saving 30 data points), take the TopoBot back to your computer, download the data file, and plot it in Excel.

Measurements:

[illegible]