



GRADE 5 UNIT 4

# Land Beneath the Sea

**Leadline**

(100 B.C. to 1920's)  
Measuring the depth of the ocean conducted by lowering a weighted line into the water and noting when the tension on the line slackened.

**Single Beam**

(1920's to present)  
Sending a single beam of sound to the ocean floor and measures the time that it takes for the sound to travel from the sonar device to the seafloor and back.

**MultiBeam**

(1990's to present)  
Sending multiple "beams" of sound to the ocean floor and measures the time that it takes for the sound to travel from the sonar device to the seafloor and back.