

NEW!

Introduction to the Global Positioning System

While the Global Positioning System (GPS) has become a familiar technology, many students might not understand exactly how it provides the maps and routes to our automobiles and mobile devices. This course provides hands-on activities that allow students to uncover the science and math behind this complex communications array.

Key Features:

- Whole-class instruction and activities
- Concise one-week format allows for easy integration into any technology or science curriculum
- Exploration of general and personal applications of GPS technology in familiar environments

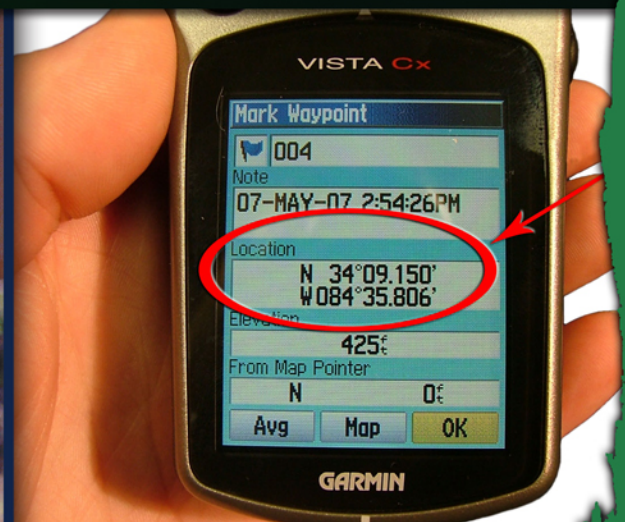


Topics Covered:

- History of mapping, navigation, and GPS
- How GPS/GIS work
- GPS terms of point, line, and area
- Applications of GPS and GIS
- How to use a GPS receiver to determine location
- How to use a GPS receiver to collect data
- How to navigate using a GPS receiver

Academic Concepts and Skills:

- Reading
- Writing
- Math
- Technological literacy
- Problem solving
- Teamwork
- Resource allocation
- Cartography and spatial relationships
- Technology-related career exploration



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