



[«Science Lesson Plans](#)

Rocks and Minerals GPS

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Description

Students will use their knowledge of what they have learned during the rocks and mineral unit to answer questions they will decode their answer and use their GPS device to find the next way point.

This GPS lesson is done before starting the unit on Captivating Caves.

Grade Level

4th/5th

Lesson Objective

Students will use their knowledge of rocks and minerals to successfully answer questions. They will then use find the next waypoint.

GLEs

S 5 1A

MA 1 3.2

Depth of Knowledge

Level 2

Instructional Strategies

Direct instruction on use of GPS and decoding clues

Group work on GPS location of waypoints.

Time Needed

3 days

Materials

Clip board, pencil, recording sheet, and GPS device for every 4 students.

Academic Vocabulary

rocks, minerals, sedimentary, igneous, metamorphic

Lesson Plan

Day One:

Introduce GPS unit using smartboard. Students will be in groups of 4. Give the class a sample clue using code sheet and each group will solve the clue.

As a group discuss the answers. Make sure that each group was able to understand the clues and able to the clue.

Practice recording answer on the recording sheet.

Practice finding the waypoints on the GPS unit.

Repeat clue and GPS practice as necessary until each group understands.

Day Two:

Groups will do activity on playground. Students will be in groups of 4. Students will record their problem in their journal, and their LOL.

Day Three:

Class will discuss activity as a group. Groups will also share their LOL (Line of Learning)

Resources

 [Student Questions](#)

 [Recording sheet](#)

Literature links

N/A

Text book link(s)

N/A

Key concepts: [GPS](#)

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