

Christine Tirrell
Computer as a Teacher's Aid: Curriculum and Instruction

Unit: Earth Science

Lesson: Journey to the Center of the Earth

6th Grade 45 Minute Period

Objectives:

- Students will be able to list characteristics of the earth's crust, mantle, and core
- Students will be able to identify where each layer is located
- Student's will be able to identify the conditions and materials of each layer

NJCCCS: STANDARD 5.8 (Earth Science) All students will gain an understanding of the structure, dynamics, and geophysical systems of the earth.

Process:

- **Introduction:** Review what we already know (Who is a Geologists?; Temperature + Pressure) 2 minutes
- **PowerPoint Presentation:** Journey to the Center of the Earth (Description and visuals of the layers). 20 minutes
- **Apple Demonstration:** Ask the students, "how is this apple like Earth?" Then cut the apple in half and repeat the question. 3 minutes
- **Group Work:** Create groups of about 4 students each. Assign or have them choose two layers of the earth. They will create a Ven Diagram to compare and contrast the two layers. When each group is finished they will present their poster. 20 minutes

Homework:

Worksheet- A Scale Model of Earth's Interior