

## Layers of the Earth Grade Levels 4-5

<b>Overview</b>	The purpose of this lesson is to teach students about the four layers of the Earth: crust, mantle, inner core, and outer core. Students will then construct a model of the layers using Jello.
<b>Objective</b>	After learning about the layers of the Earth, students will compose a model of the Earth, in which they will identify the four layers and include at least two informative facts about each layer.
<b>Standards</b>	National Science Education Standards (NSES) :Earth and Space Science Content Standard D: As a result of their activities in grades K-4, all students should develop an understanding of: Properties of earth materials <ul style="list-style-type: none"><li>• Earth materials are solid rocks and soils, water, and the gases of the atmosphere. The varied materials have different physical and chemical properties, which make them useful in different ways, for example, as building materials, as sources of fuel, or for growing the plants we use as food. Earth materials provide many of the resources that humans use.</li></ul>
<b>Materials</b>	<ul style="list-style-type: none"><li>• Apple</li><li>• Raspberry Jello</li><li>• Black cherry Jello</li><li>• Plastic baggies</li><li>• Cups</li><li>• Spoons</li><li>• Graham Crackers</li><li>• Bowls</li><li>• Melted margarine or butter</li><li>• Sugar</li><li>• Computer with Slide Rocket presentation</li><li>• Computer projector</li></ul>
<b>Procedure</b>	<ol style="list-style-type: none"><li>1. Begin the class by asking students a question, "How many of you know something about the Earth?" Tell the students that you are going to share something that you know about the Earth.</li><li>2. Start the Slide Rocket presentation, and explain to the students that</li></ol>