


Program Name: The Land Beneath Your Feet

Grade: Fifth

<p>Objectives:</p> <ul style="list-style-type: none">•Students will describe plate tectonics and explain its role in the formation of Virginia.•Students will construct a model showing why ocean basin sediments can be found in the mountains.•Students will use a model to demonstrate how geological actions created two regions of Virginia. <p>Description:</p> <p>The fifth graders will be introduced to the geology of Virginia. They will examine how the landforms they see and use today developed over millions of years.</p>	<p>Activities & Resources:</p> <p>Teacher resource notebook with lesson plans.</p> <p>Activities</p> <ul style="list-style-type: none">• DVD, <u>The Southern Appalachians, A Changing World</u>• A Plate Tectonic Puzzle• Delta in a Jar• How Did that Shell Get Way Up There?• Appalachian Thrust Faults• Teaching About Plat Tectonics and Faulting Using Foam Models <p>Books for Teachers</p> <ul style="list-style-type: none">• <u>Reading the Earth, Landforms in the Making</u>, by Jerome Wyckoff• <u>The Field Guide to Geology</u>, by David Lambert <p>Books for Students and Teachers</p> <ul style="list-style-type: none">• <u>Earth Science for Every Kid</u>, by Janice VanCleave• <u>Familiar Rocks & Minerals of North America</u>,• <u>Geology Rocks!</u>, by Cindy Blobaum• <u>Planet Earth</u>, by Avalyn McGinley• <u>Rocks & Minerals</u>, Eyewitness Books• <u>Rocks and Minerals</u>, by Chris Pellant• <u>Rocks & Minerals</u>, by Alan Woolley <p>DVD's, Games, etc.</p> <ul style="list-style-type: none">• <u>Blue Planet</u>• <u>Genesis, Four Billion Years in the Making</u>• Geology Knowledge Cards• <u>Living Rock, an Introduction to Earth's Geology</u>• <u>Magic School Bus, Inside the Earth</u>,• <u>Rock & Mineral, Eyewitness</u>• Sediment Stick• <u>This Dynamic Planet</u>, Map	<p>SOL's: 5.7, VS 2</p> <p>Format and Requirements:</p> <p>Teachers may borrow the conservation capsule (CC) program for one week.</p> <p>District staff will present the program. Each classroom presentation (CP) is approximately one hour in length. If possible please provide equipment for PowerPoint Slides.</p> 
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