

Chugach School District Lesson Plan

Date: 9-13-96

Grade Level K-12

<p>Standards</p> <p>Science Math Social Sciences Technology Communications History Career exploration Communication Cultural Heritage Personal Develop. Reading Social Develop. Writing</p>
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<p>Drill and Practice: Traditional teaching e.g. text book, work book, 5 step lesson plan</p>	<p>Practical Application: How will the student use this? e.g. VCR technical manual, check book writing</p>	<p>Interactive: Simulation of an event e.g. "City Unit from Interact</p>	<p>Real Life Connection: Outside the walls of the school. e.g. community project, small business</p>
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Lesson Plan

<p>Evolution of Tectonic Plate theory</p> <p>Earth layering and tectonic plate interaction</p> <p>Scale modeling</p> <p>Measurement</p> <p>Volcano video</p>	<p><u>Geography</u> -of Prince William Sound plus foundation for all geography</p> <p><u>History</u>- Local volcanic activity of Alaska and it's effect on Whittier</p> <p><u>Communication</u>-Public presentation/speaking skills</p> <p><u>Science</u>-vinager/baking soda reaction</p> <p><u>Art</u>- drawing, coloring ,paint</p> <p><u>Writing</u>-Planning Ed-Ventur</p> <p><u>Reading</u>-Volcano Literature</p> <p><u>Social/Pers.Dev</u>-Interaction</p>	<p>Scale volcanic eruption while recording data and video taping</p> <p>Group presentations(K-12)</p> <p>Constuction of props for group presentations including, pangea breakup movie, plate boundry boxes, song, and world map hypothesis project, volcanic inflation balloons</p>	<p>Talking to folks who were in Whittier during last 2 volcanic dustings.</p> <p>World Map hypothesis project.</p> <p>Video recording.</p> <p>NaturalHazard Safety .</p> <p>Reading volcano folklore and mythology</p> <p>Planning, organizing and going on Hawaii Volcano Ed-Venture.</p>
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Technology

<p>Basic vidio camera operation</p> <p>Word processing for planning Hawaii volcano Ed-Venture</p>	<p>Video Camera positioning and VCR slow motion to obtain pertinent data</p>	<p>Filming the presentations for student self evaluation and the volcano for future study</p>	<p>Using the video camera for future presentations or recording of experiments to assist in gathering pertinent data</p>
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Assessment

<p>Traditional testing</p> <p>Written reports</p>	<p>Equipment operation and final film quality evaluation</p> <p>Public presentation evaluations</p>	<p>Multi-grade instruction assessment.</p> <p>Volcano eruption demo</p>	<p>Safety plan development</p> <p>Planning, oganizing, fundraising and actually going on a one week volcano study trip to Hawaii</p>
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