

Alaska Tsunami Education Program (ATEP) Curriculum Map Details

	Grades K-4	Grades 5-8	Grades 9-12
Unit 1 Introduction to Tsunamis	<ol style="list-style-type: none"> 1. Introduction to Tsunamis 2. What's in a Name? 3. Tsunamis and Oceans 4. Looking for Clues 5. A Wave of Sounds 	<ol style="list-style-type: none"> 1. 1964 Tsunamis 2. Tsunamis with a Latitude 3. Tsunamis in Literature and Legends 4. Science and Tradition 5. Tsunami Misconceptions 	No lessons available
Unit 2 Tsunamis of the Past	<ol style="list-style-type: none"> 1. Aleutian Legends 2. Oral Traditions 3. 1964: Learning, Family and Sharing 4. Height of Tsunami Runup 5. Aleutian Legends 6. Tsunami Story 	<ol style="list-style-type: none"> 1. Tsunamis Around the World 2. 2004 Wave Propagation 3. Geologic Oral Traditions 4. Cultural Values and 1964 5. Tsunami Story 	The Day that Cries Forever
Unit 3 Dynamic Earth	<ol style="list-style-type: none"> 1. What's on your Plate: 2. Pangaea Puzzle 3. An Island Story 4. Aleutian Arc: Land and Sea 	<ol style="list-style-type: none"> 1. Earth's Layers 2. Convection Current 3. Sliding Plates 4. Convection and Plate Motion 5. Land and Water Features 	<ol style="list-style-type: none"> 1. Plate Tectonics Scavenger Hunt 2. Plate Tectonics and Ecological Connections
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Unit 4 Tsunami Generation	<ol style="list-style-type: none"> 1. Earthquakes and Tsunamis 2. Landslide 3. Volcanoes and Tsunamis 4. Trigger Sort 	<ol style="list-style-type: none"> 1. Locating the Epicenter 2. Subduction Zones and Tsunamis 3. How the Mighty Fall 4. Finding Fairweather Fault 5. Volcano Scavenger Hunt 6. Volcano Jigsaw 	Earthquake Energy
Unit 5 Tsunami Propagation	<ol style="list-style-type: none"> 1. Bottle O' Waves 2. Ocean Wave Sort 3. How Deep 4. Topography and Bathymetry 5. Speed of a Tsunami Wave 6. The Qayaq and the Iqyax 	<ol style="list-style-type: none"> 1. Slinky Tsunamis 2. Making Waves 3. The Bottom of the Ocean 4. Speedy Tsunami 5. Seismic Waves 6. Tracking Down the Source 7. Built for Waves 	<ol style="list-style-type: none"> 1. Wave Behavior 2. Tsunami Speed

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Unit 6 Tsunami Inundation	<ol style="list-style-type: none"> 1. Ghost Forest 2. Stories in the Soil 3. Erosion 4. Alutiiq Disk Toss 	<ol style="list-style-type: none"> 1. Sweet Tsunami Soil 2. Salty Sea 3. Layers as Clues 	No lessons available
Unit 7 Measuring & Predicting Tsunamis	<ol style="list-style-type: none"> 1. Warning Signs: Nature and Technology 2. Earthquake Detection 3. Water Level 	<ol style="list-style-type: none"> 1. Seismometer Source Mechanisms 2. DART II System 	<ol style="list-style-type: none"> 1. Make a Marigram 2. Tide Gauge Sleuths
Unit 8 Hazard Mitigation	<ol style="list-style-type: none"> 1. It's Good to be Prepared for an Earthquake 2. Eyewitness Accounts 3. Design a Monument 	<ol style="list-style-type: none"> 1. Tsunami Safety Brochure 2. Community Skills Survey 3. Kodiak Living, Long Ago 4. Structural Countermeasures 	<ol style="list-style-type: none"> 1. Tsunami Mapping Task Force 2. Hazard Inventory 3. Community Maps 4. A House to Come Home To 5. Communications Technology: Earthquakes and Tsunamis
Unit 9 Tsunami Event, Aftermath & Response	<ol style="list-style-type: none"> 1. Animals, Earthquakes and Tsunamis 2. Helping Each Other 	<ol style="list-style-type: none"> 1. Local Warning 2. Beready Island 3. Get to High Ground Game 	<ol style="list-style-type: none"> 1. Tsunamis Create Warning Centers 2. I Will Survive