

Goal(s): Student will

- increase skills in analyzing data about multiple intelligence.
- increase knowledge about the Branches of Science and Hawai'i.

Unit I

Relating to Science

Lesson #14

Standards:

- Science 1-2
- Social Studies 6
- Career & Tech Ed 2
- Language Arts 1-2, 4, 6
- Math 11,13
- GLO 1-5

Topic	Task/Activity	Materials/Time	Notes
Entry	<ul style="list-style-type: none"> • Locate two peers and share what others said about the "What School You Went" story. 	Homework	
Multiple Intelligence Review and Reflection	<ul style="list-style-type: none"> • Invite Ss to share their MI Self-Inventory findings with peers and: <ol style="list-style-type: none"> 1. ask ½ of the Ss to line up or form a circle with their MI bar graph and a pencil. 2. ask the other ½ to line up with their bar graph and pencil, facing a peer. 3. instruct Ss to collect data from peers by writing numbers on their graph. <ul style="list-style-type: none"> ◦ Place a #1 by the partner's top-scoring intelligence (model doing this). ◦ Place a #2 by the next highest-scoring intelligence (if a tie, mark for all with same score). 4. signal one of the two lines/circles to shift one person to the right: <ul style="list-style-type: none"> ◦ Field any questions and making sure rotation pattern is clear. ◦ Begin data sharing and rotating as appropriate (est. 1 min. for each pair). • Debrief activity by: <ul style="list-style-type: none"> ◦ Inviting Ss to form small groups to discuss findings of their informal data collection. ◦ Guiding Ss to share which MI was most dominant in their group. ◦ Sharing by way of a large group discussion. 	MI Self-Inventory Booklets (completed) MI bar graph pencil	

Topic	Task/Activity	Materials/Time	Notes
Review continued	<ul style="list-style-type: none"> Distribute and explain MI Reflection worksheet #1 while simultaneously showing OH #14.1. Ask Ss to answer these questions in a Quickwrite (<i>Option: complete Quickwrite as homework</i>). 	MI Reflection Questions OH #14.1 and Worksheet #1 Est: 20 minutes	
Preview	<ul style="list-style-type: none"> Display OH #1.1 and connect to today's topic. 1. Hawai'i - a special place to study science. 	Unit Overview OH #1.1	
Science in Hawaii	<ul style="list-style-type: none"> Display OH #14.2 and explain focus shifts from sense of self to sense of place. Ask Ss why Hawai'i might be an incredible place to study different kinds of science? Explain that Hawai'i has unique environments, plants, and animals. Invite Ss to form groups to predict why this might be true. Randomly call on Ss in groups, chart their responses, and ask them to explain their thinking. 	Unit 1 OH #14.2 Board or chart paper Est: 10 minutes	
Video	<ul style="list-style-type: none"> Introduce video entitled <i>Why Hawai'i is a Special Place for Scientists</i>. Explain to Ss that local scientists will discuss their work in Hawaii. Direct Ss to listen to see if their predictions why Hawai'i is a special "science laboratory" were accurate. Play video. Debrief by inviting groups to discuss the following: <ul style="list-style-type: none"> <i>What did they learn?</i> <i>Were their predictions accurate?</i> <i>Do they know any local scientist? If yes, what is their focus of study?</i> Ask groups to round-robin share with entire class. 	<i>Why Hawai'i is a Special place for Scientists</i> video (7 minutes)	

Topic	Task/Activity	Materials/Time	Notes
Video continued	<ul style="list-style-type: none"> Distribute Video Guide Worksheet #2 while simultaneously displaying OH# 14.3 and clarifying challenging words. Invite groups to divide responsibility for specific sections for note-taking. Replay video a 2nd time with Ss taking notes. Share answers (small group first, then as a large group). 	Hawai'i is a Special Place for Scientist OH# 14.3 Video Guide Worksheet #2 Est: 25 minutes	
Review	<ul style="list-style-type: none"> Invite Ss to share something interesting they learned during today's lesson using popcorn strategy. 		
Homework	<ul style="list-style-type: none"> Explain homework assignment while referring to the wall chart or OH #14.4. WHAT: <ol style="list-style-type: none"> Ka 'Upena Project HOW: <ol style="list-style-type: none"> Continue work on Ka 'Upena Project and prepare for presentation (date____).. WHAT: Why Hawai'i is a special place for scientists HOW: <ol style="list-style-type: none"> Discuss why Hawai'i is a special place for scientists with an adult. Write person's ideas in ObLog. Complete worksheet #2 – page 2. <p>Option: Completion of MI Reflection as an addition assignment</p>	Wall-chart or OH #14.4 Ka 'Upena materials ObLog Video Guide Worksheet #2 (page 2) Est: 3-5 minutes	