

# UNIT 1 AT-A GLANCE

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<ul style="list-style-type: none"> <li>Welcome</li> <li>Teacher Intro.</li> <li>Values</li> <li>Pretest</li> <li>Course Overview</li> </ul>	<ul style="list-style-type: none"> <li>Science Binders &amp; Observation Logs</li> <li>Connections and Interconnections</li> <li>Ka 'Upena o ke Ola</li> </ul>	<ul style="list-style-type: none"> <li>Definition of Science</li> <li>Patterns</li> <li>Protocols</li> <li>Sport Protocols</li> </ul>	<ul style="list-style-type: none"> <li>Protocols – Hang Gliding</li> <li>Scientific Method – procedural protocol</li> </ul>	<ul style="list-style-type: none"> <li>Scientific Method - Questioning</li> <li>Question Matrix</li> <li>People Patterns Group Project</li> </ul>
<b>Prep:</b> <ul style="list-style-type: none"> <li>Pretest</li> <li>Worksheet #1</li> <li>Ka 'Upena o ke Ola Poster</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>Worksheet #1</li> <li>Handout #1</li> <li>Ka 'Upena board and elements</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>Worksheet #1, 2, and 3</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>The Scientific Method Handout</li> <li>Worksheet #1</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>Handout #1 (optional)</li> <li>Q-Matrix</li> <li>People Patterns Project Guide</li> </ul>
<b>Video</b> Science of Sports		<b>Video</b> <ul style="list-style-type: none"> <li>Science of Sports</li> </ul>	<b>Video</b> <ul style="list-style-type: none"> <li>Hanging with Joe</li> <li>Killing the Coqui - Scientific Way</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<b>Strategies:</b> <ul style="list-style-type: none"> <li>Community Building</li> <li>Assessment for Learning</li> <li>Pair Share</li> </ul>	<b>Strategies:</b> <ul style="list-style-type: none"> <li>Think-Pair-Share</li> <li>Manipulative</li> </ul>	<b>Strategies:</b> <ul style="list-style-type: none"> <li>Small Groups</li> <li>Mix and Freeze</li> </ul>	<b>Strategies:</b> <ul style="list-style-type: none"> <li>Small Group</li> </ul>	<b>Strategies:</b> <ul style="list-style-type: none"> <li>Small Group</li> <li>Questioning for Critical Thinking</li> <li>Assessment as Learning</li> </ul>
<b>Standards:</b> Sci. 1,3; LA 1-2, 6	<b>Standards:</b> Sci. 1-3; LA 1-2, 4, 6	<b>Standards:</b> Sci. 1; LA 1-2, 4, 6	<b>Standards:</b> Sci. 1; LA 1-2, 4,6	<b>Standards:</b> Sci. 1; LA 1-2, 4. 6; Math 11,13; Health 4-5
DAY 6	DAY 7	DAY 8	DAY 9	DAY 10
<ul style="list-style-type: none"> <li>Scientific Method cont'd: Driving Questions, Hypothesis, and Data Collection</li> <li>Values</li> </ul>	<ul style="list-style-type: none"> <li>Vaules</li> <li>Data Collection</li> <li>Graphing Data</li> <li>Knowing Yourself</li> <li>Ka 'Upena o ke Ola Project</li> </ul>	<ul style="list-style-type: none"> <li>Ka 'Upena Project</li> <li>People Patterns Visual Display</li> </ul>	<ul style="list-style-type: none"> <li>Oral Presentation Rubrics</li> <li>People Patterns Project</li> <li>Ka 'Upena Project</li> </ul>	<ul style="list-style-type: none"> <li>People Patterns Presentation</li> <li>Ka 'Upena o ke Ola Project</li> </ul>
<b>Prep:</b> <ul style="list-style-type: none"> <li>Handout #1</li> <li>TV and DVD</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>Handout #1</li> <li>Worksheet #1</li> <li>Ka 'Upena Project Guide</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>Visual Presentation Poster</li> <li>Handout (optional)</li> </ul>	<b>Prep:</b> <ul style="list-style-type: none"> <li>Oral Presentation Poster</li> <li>Handout (optional)</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<b>Video</b> <ul style="list-style-type: none"> <li>The Mana'o of Nā Kūpuna</li> </ul>	<b>Video</b> <ul style="list-style-type: none"> <li>The Mana'o of Nā Kūpuna</li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>	<ul style="list-style-type: none"> <li></li> </ul>
<b>Strategies:</b> <ul style="list-style-type: none"> <li>Think-Pair-Share</li> <li>Small Groups</li> <li>Brainstorm</li> <li>Manipulative</li> </ul>	<b>Strategies</b> <ul style="list-style-type: none"> <li>Small Groups</li> <li>Fist to Five</li> <li>Group Cross-over</li> </ul>	<b>Strategies</b> <ul style="list-style-type: none"> <li>Small Groups</li> <li>Think-Pair-Share</li> <li>T-Chart</li> <li>Numbered Heads</li> </ul>	<b>Strategies</b> <ul style="list-style-type: none"> <li>Small Groups</li> <li>Mix and Freeze</li> </ul>	<b>Strategies</b> <ul style="list-style-type: none"> <li>Small Groups</li> <li>Group Pluses and Delta Feedback</li> </ul>
<b>Standards:</b> Sci. 1,3; LA 1-2, 4, 6; Health 4-5; Math 11, 13	<b>Standards:</b> Sci. 1,3; LA 1-2, 4, 6; Math 11,13; Health 4-5	<b>Standards:</b> Sci. 1; LA 1-2, 4, 6; Math 11,13; Health 4-5	<b>Standards:</b> Sci. 1; LA 1-2, 4. 6; Math 11,13; Health 4-5	<b>Standards:</b> Sci. 1; LA 1-2, 4, 6-7; Math 11,13; Health 4-5

DAY 11	DAY 12	DAY 13	DAY 14	DAY 15
<ul style="list-style-type: none"> <li>• Ka 'Upena O Ke Ola work time</li> <li>• Scientific Method: Observing and Interviewing</li> </ul>	<ul style="list-style-type: none"> <li>• Observation Skills</li> <li>• Multiple Intelligence &amp; Learning Patterns</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple Intelligence (MI)</li> <li>• "What School You Went" Story</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple Intelligence</li> <li>• Science in Hawai'i</li> </ul>	<ul style="list-style-type: none"> <li>• Hawaiian Scientists (past) Kāhuna</li> </ul>
Prep: <ul style="list-style-type: none"> <li>• Handout #1</li> <li>• Worksheet #1</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Handout #1 (optional)</li> <li>• Multiple Intelligence Cards</li> <li>• Worksheet #1</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Handout #1</li> <li>• MI Self-Inventory Booklet</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Handout #1</li> <li>• Worksheet #1 and #2</li> <li>• TV and DVD</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Handout #1</li> <li>• Kāhuna Stories</li> </ul>
•	•	• MI Cards (one set)	Video: <ul style="list-style-type: none"> <li>• Why Hawai'i is a Special place for Scientists</li> </ul>	•
Strategies <ul style="list-style-type: none"> <li>• Small Groups</li> <li>• T-Chart</li> <li>• Think-Pair-Share</li> <li>• Questioning for Critical Thinking</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• First Thoughts - writing</li> <li>• Assessment for Learning –T-Chart</li> <li>• Pair-Share</li> <li>• Game - Charades</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Small Group</li> <li>• Story Read Aloud</li> <li>• Assessment for Learning: Learning Styles - Preferences</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Line Up – Group Share</li> <li>• Prior Knowledge</li> <li>• Small Groups</li> <li>• Round Robin Sharing</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Story Read Aloud</li> <li>• Small Group</li> </ul>
Standards: Sci. 1; LA 1-2, 4, 6	Standards: Sci. 1; LA 1-2, 4, 6	Standards: Sci. 1; LA 1-2, 3-4, 6; Math 11,13	Standards: Sci. 1-2; LA 1-2, 4, 6; Math 11,13; C&TE 2	Standards: Sci. 1-2; LA 1-2, 3-4, 6; Soc.St. 6; C&TE 2
DAY 16	DAY 17	DAY 18	DAY 19	DAY 20
<ul style="list-style-type: none"> <li>• Kahuna Story Presentations</li> <li>• Webquest - Scientists in Hawai'i (present)</li> </ul>	<ul style="list-style-type: none"> <li>• WebQuestion – Scientists in Hawaii</li> <li>• Scientists in Hawai'i</li> <li>• Unit Review</li> </ul>	<ul style="list-style-type: none"> <li>• Unit Review Game</li> <li>• Ka 'Upena Presentations</li> <li>• Scientists in Hawai'i (present)</li> </ul>	<ul style="list-style-type: none"> <li>• Post-Test</li> <li>• Ka 'Upena Presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Review Post-Test</li> <li>• Ka 'Upena Presentations cont'd</li> </ul>
Prep: <ul style="list-style-type: none"> <li>• Schedule Computer Time</li> <li>• Unit 1 Study Guide</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Schedule Computer Time</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Turn 4 Game</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Unit Post-Test</li> </ul>	Prep: <ul style="list-style-type: none"> <li>• Worksheet #1</li> </ul>
•	•	•	•	•
Strategies <ul style="list-style-type: none"> <li>• Small Groups</li> <li>• Note-taking</li> <li>• Guided Internet Research</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Small Groups</li> <li>• Learning Centers</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Small Groups</li> <li>• Think-Share</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Assessment of Learning</li> <li>• Individual Presentations</li> <li>• Small Groups</li> </ul>	Strategies <ul style="list-style-type: none"> <li>• Individual Presentations</li> <li>• Constructive Feedback and Reflection</li> </ul>
Standards: Sci. 1-2; LA 1-2, 3-4, 6-7; Soc.St. 6; C&TE 1-2	Standards: Sci. 1-2; LA 1-2, 4, 6; C&TE 1-2	Standards: Sci. 1-2; LA 1-2, 4, 6	Standards: Sci. 1; LA 1, 4, 6-7	Standards: Sci. 1; LA 1-2, 4, 6-7;