

KAUAI PACIFIC SCHOOL - UNITS OF DISCOVERY 2009-2010

PreK/K

Age	Humans & Their Communities	Connections - Past, Present & Future	Human Expression	The Natural World	Ingenuity & Design	Sharing the Planet
	An exploration of the nature of the self; of our beliefs and values; of personal, physical, mental, social and spiritual health; of our families, friends, communities and cultures; of our rights and responsibilities; of what it means to be human.	An exploration of our orientation in place and time; of our personal histories; of history and geography from local and global perspectives; of our homes and journeys; of the discoveries, explorations and migrations of humans & of the contributions of individuals and civilizations.	An exploration of the ways in which we discover and express our nature, ideas, feelings, beliefs and values through language and the arts.	An exploration of the physical and material world; of natural and human-made phenomena; of the world of science and technology	An exploration of human systems and communities; of the world of work, its nature and its value; of employment and unemployment and their impact	An exploration of our rights and responsibilities as we try to share finite resources with other people, with other living things; of communities and of the relationships within and between them.
PreK/K	<p>Unit of Discovery My Family, Your Family</p> <p>Enduring Understanding Understanding our family structures, histories and traditions can help us better understand who we are.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What do we mean by the word ‘Ohana’? • Why do we have families? • What are the different types of families? • What is my family history? • How do families create and share their culture through celebrations? 	<p>Unit of Discovery Mother Earth</p> <p>Enduring Understanding: Earth is a unique planet with specific geographical features that must stay in balance to sustain life.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is the Earth made of? • How did the Earth form? • Where is the Earth in relation to other planets? • How can we use maps and globes to help us learn more about the earth’s unique features? • What happens if the earth is not in balance? • How can we take care of the life on earth so animals do not become extinct? 	<p>Unit of Discovery Exploring Materials</p> <p>Using My Senses and Emotions</p> <p>Enduring Understanding: People use their senses to explore different materials to help them express their feelings and ideas.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • How do humans use their sense to understand the world? • How do we express our feelings and emotions? • What are the properties of sand, wood and fabric? • What can we create with sand, wood and fabric? • Can we creatively express ourselves using natural materials? 	<p>Unit of Discovery Shadows, Reflections & Rainbows</p> <p>Enduring Understanding: Light creates shadows, reflections and rainbows</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is a shadow, a reflection and a rainbow? • How do things look when they are reflected in water compared to being reflected by a mirror? • How does the color and direction of light change our perception of objects? • How do things look when we use various reflective surfaces? • Why do we have so many rainbows on Kauai? 	<p>Unit of Discovery: From Field to Table</p> <p>Enduring Understanding: Most of the food products we eat go through several stages from their origin to their consumption.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • Where does our food come from? • How is food made? • What jobs are involved in the process of making food? • How can we take care of the environment and make sure we have a healthy food supply? 	<p>Unit of Discovery Caring for Plants and Animals</p> <p>Enduring Understanding: Plants and animals in our homes and classrooms have certain requirements in order to grow and stay healthy.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What do plants and animals need to grow and stay healthy? • How can we best take care of the plants and animals that we choose to bring into our homes and classrooms? • How should we treat animals and plants? • Why are animals and plants important to our ecosystem?

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1 st /2nd	<p>Unit of Discovery Caring for the World's Children</p> <p>Enduring Understanding: Children around the world face a variety of risks and challenges.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What does it mean to be healthy? • How can we stay healthy? • How healthy are the world's children? • Who works to help keep kids around the world safe and healthy? • How can we help to keep the world's children healthy? 	<p>Unit of Discovery India and China</p> <p>Enduring Understanding: The world's two most populous countries have rich histories, cultures and legacies.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is the geography of India and China? • What have been the contributions of China and India? • How are the beliefs and values of India and China reflected in Chinese and Indian stories, music and art? • Who are the significant people in Chinese and Indian history? • What role do China and India play in today's world? 	<p>Unit of Discovery Roses are Red</p> <p>Enduring Understanding: People use poetry to express themselves</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What are the different types of poetry? • How are different types of poetry structured? • How is poetry the same and different around the world? • How do we interpret poetry? • 	<p>Unit of Discovery Simple Machines</p> <p>Enduring Understanding: The human capacity to see and invent relationships between effort and work has helped us create new ways of doing things.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What are simple machines? • How do simple machines work? • What are some examples of simple machines created and used in various parts of the world? • How can we create our own simple machines? • What is the impact of simple machines on people and society? 	<p>Unit of Discovery Toys and Games</p> <p>Enduring Understanding: Toys and games have existed throughout time and across all cultures.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What role do toys & games play in our lives? • What kinds of toys and games do kids around the world play? • How are toys and games created, manufactured and marketed? • What is the economic impact of toys & games in society? 	<p>Unit of Discovery Endangered to Extinct: The Rainforest</p> <p>Enduring Understanding: We can protect our animal and plant world by understanding how it is organized and what threatens it.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What are the elements and characteristics of the rainforest? • How interdependent are living things with their habitats? • What resources can be found in the rainforest? • What is the impact of humans on the rainforest? • What can or should we do to protect the rainforest?

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3 rd /4 th	<p>Unit of Discovery Human Body Systems</p> <p>Enduring Understanding Our bodies are composed of complex, interdependent systems.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • How do the various body systems function? • How interdependent are the various body systems? • How can we keep our various body systems healthy? • How do stress and other influences impact the body systems? 	<p>Unit of Discovery Explorers Past and Present</p> <p>Enduring Understanding: Throughout history, explorers have played an important role in how we view the world.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is an explorer? • Who are the famous and not so famous explorers from various cultures past and present? • How did scientific innovations spur exploration? • How has exploration affected indigenous people? 	<p>Unit of Discovery Polynesian Culture: Beyond the Hula</p> <p>Enduring Understanding: People use many different forms of expression to convey their uniqueness as human beings and as members of a specific culture.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What constitutes Polynesian culture? • How do artists express themselves and their cultures? • How do people become or develop into artists? • How can we express individual and cultural uniqueness through visual art, music, drama, dress and dance? 	<p>Unit of Discovery Natural Disasters: Tsunami's, Hurricanes, Earthquakes and Volcanoes</p> <p>Enduring Understanding: The natural features of the earth have been formed over time and are still changing.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What are the different components that make up planet Earth? • How and why does the earth change? • How do natural disasters change the Earth's surface? • How can we best prepare for global natural disasters? 	<p>Unit of Discovery Off the Drawing Board</p> <p>Enduring Understanding: Technology has changed the world of work and leisure.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is technology? • Who invents? • What have been the most important human inventions and creations? • How do inventors think and work? 	<p>Unit of Discovery Preserving Our Oceans</p> <p>Enduring Understanding: The ocean is a community of fragile organisms interacting with one another and with their environment</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What makes the ocean? • Why is the ocean habitat important to us? • How do ocean plants and animals adapt to particular habitats? • What are the primary threats to the ocean's well-being? • Why is there a conflict between using and protecting the ocean's resources?

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5 th /6 th	<p>Unit of Discovery: I Believe</p> <p>Enduring Understanding: The beliefs and values of cultures & religions are conveyed through rituals, celebrations, the arts and the way we live our lives.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is the difference between spirituality and organized religion? • How are ritual and celebrations used to mark important religious events? • How has religion inspired music and art? • In what ways do personal adornments represent cultural or religious beliefs? • What does it mean to be spiritual? 	<p>Theme: On the Move</p> <p>Essential Understanding: Throughout history people have been on the move, with wide-ranging effects on themselves and indigenous populations.</p> <p>Essential Questions:</p> <ul style="list-style-type: none"> • Why do people migrate from one place to another? • How does geography affects migration patterns? • In what ways does migration affect indigenous people and communities? • How are immigrants impacted by migration? <p>6th grade had in 3rd grade change focus to personal family histories or David Smith?</p>	<p>Unit of Discovery Hidden Persuaders</p> <p>Enduring Understanding: Print, other visual media and sound can create, alter or manipulate images and perceptions.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • How do humans communicate? • What is media? • What is the purpose of advertisement? • What devices that are used to manipulate perceptions? • What is the role of music in the media? • How do we know the truth? 	<p>Unit of Discovery Invisible Forces</p> <p>Enduring Understanding: Electricity and Magnetism provide energy for the world in which we live.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What are the properties of electricity and magnetism? • How is electricity controlled? • How does electricity reach our homes and surroundings? • Why should we conserve our natural resources? • What are the viable alternate forms of power? 	<p>Unit of Discovery: Forming a Government – American Revolution</p> <p>Enduring Understanding: Political systems evolve over time and take different forms in different places.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • What is a government? • How are governments formed? • What are the different kinds of political systems? • Can we create the ideal government? 	<p>Unit of Discovery Finite Resources & Infinite Demands: A Look at Water</p> <p>Enduring Understanding: Our planet has limited resources that are unevenly distributed.</p> <p>Guiding Questions:</p> <ul style="list-style-type: none"> • Where does our water come from? • How much water how do we use and what happens after we have used it? • How is water distributed around the planet? • How has human activity affected the availability of usable water? • What is our responsibility when it comes to water conservation?

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