

HONOLULU ZOO CHILDREN’S DISCOVERY FOREST
Hawaii Early Learning and Development Standards (HELDS)

The Honolulu Zoo Children’s Discovery Forest and accompanying Early Childhood Online Teacher Resources meet the following **Hawaii Early Learning and Development Standards** for 4 year-old children:

Strand	Topic	Standard - 48 months	How this Standard is Met
Learning Approaches	Reflection and Interpretation	AL/LA.48-KE.e - Retell experiences in order, providing details	After visiting the Children’s Discovery Forest, students retell their experiences.
Mathematics and Numeracy	Measurement and Data	GK.KE.j - Sort, classify and serialize objects using attributes such as color, shape or size	Students classify plants by the color and shape of their leaves.
Science	Scientific and Engineering Practices	GK.KE.n - Use senses and tools, including technology to gather information, investigate materials, and observe processes and relationships	Students use their senses and the website to gain information about the plant and animal life at the Discovery Forest.
Reading Literature	Key Ideas and Detail	LA.KI.i - Identify characters and recall major events in a story	After the teacher reads the various stories on the website, students discuss the characters and events.
Reading Literature	Craft and Structure	LA.KE.j - Respond appropriately to statements, questions, vocabulary, and stories	The teacher reads the stories from the website, then asks students the higher order thinking questions, as well as reviews the vocabulary.
Writing	Text Types and Purposes	LA.KE.bb - Add detail to drawings and other products with simple descriptive words, letters or letter forms	Students journal about their experience at the Discovery Forest using pictures, letters, and/or words.

HONOLULU ZOO CHILDREN’S DISCOVERY FOREST
Hawaii Content and Performance Standards - Kindergarten

The Honolulu Zoo Children’s Discovery Forest and accompanying Early Childhood Online Teacher Resources meet the following **Hawaii Content and Performance Standards** for students in kindergarten:

Strand	Topic	Benchmark	How this Standard is Met
SCIENCE			
Standard 1: The Scientific Process: SCIENTIFIC INVESTIGATION: Discover, invent and investigate using the skills necessary to engage in the scientific process	Scientific Inquiry	SC.K.1.1 – Use the senses to make observations	Students will use their senses to observe the plant and animal life in the Discovery Forest.
SOCIAL STUDIES			
Standard 1: Historical Understanding: CHANGE, CONTINUITY, AND CAUSALITY-Understanding change and/or continuity and cause and/or effect in history	Chronological Thinking	S.S.K.1.1 – Explain change and continuity over time, using calendars and simple timelines	Students will be introduced to plant and tree species that existed in Hawaii before the arrival of humans.
LANGUAGE ARTS			
Standard 3: Reading: LITERARY RESPONSE AND ANALYSIS: Respond to literary texts from a range of stances: personal, interpretive, critical	Literary Elements	L.A.K.3.2 – Identify characters and setting in a story read aloud	Students will respond to the stories read aloud from the Early Childhood Online Teacher Resources.
Standard 4: Writing: CONVENTIONS AND SKILLS: Use the writing process and conventions of language and research to construct meaning and communicate effectively for a variety of purposes and audiences using a range of forms	Range of Writing	L.A.K.4.2 – Describe familiar topics and convey thoughts, ideas, and basic information using pictures and phonetically spelled words.	Students will journal about their experiences at the Discovery Forest using pictures, letters and phonetically spelled words.

HONOLULU ZOO CHILDREN’S DISCOVERY FOREST
Hawaii Content and Performance Standards – First Grade

The Honolulu Zoo Children’s Discovery Forest and accompanying Early Childhood Online Teacher Resources meet the following **Hawaii Content and Performance Standards** for students in first grade:

Strand	Topic	Benchmark	How this Standard is Met
SCIENCE			
Standard 3: Life and Environmental Sciences: ORGANISMS AND THE ENVIRONMENT: Understand the unity, diversity, and interrelationships of organisms, including their relationship to cycles of matter and energy in the environments	Cycles of Matter and Energy	SC.1.3.1 – Identify the requirements of plants and animals to survive (e.g., food, air, light, water)	Students will discuss the diversity and interrelationship of plant and animal life in a dryland forest ecosystem.
SOCIAL STUDIES			
Standard 1: Historical Understanding: CHANGE, CONTINUITY, AND CAUSALITY-Understanding change and/or continuity and cause and/or effect in history	Chronological Thinking	S.S.1.1.1 – Distinguish temporal structures in stories and historical narratives	Students will hear stories and learn about plant and animal life from the time period prior to the arrival of humans in Hawaii.
LANGUAGE ARTS			
Standard 2: Reading: READING COMPREHENSION: Use reading strategies to construct meaning from a variety of texts	Constructing Meaning	L.A.1.2.5 – Ask and answer who, what, when, why, where, and how questions about what is read	Students will respond to the stories read aloud from the Early Childhood Online Teacher Resources.
Standard 5: Writing: RHETORIC: Use rhetorical devices to craft writing appropriate to audience and purpose	Meaning	L.A.1.5.1 – Focus on a single topic in a piece of writing	Students will journal about their experiences at the Discovery Forest using letter-sound knowledge and segmenting strategies to spell unfamiliar words.

HONOLULU ZOO CHILDREN’S DISCOVERY FOREST
Hawaii Content and Performance Standards – Second Grade

The Honolulu Zoo Children’s Discovery Forest and accompanying Early Childhood Online Teacher Resources meet the following **Hawaii Content and Performance Standards** for students in second grade:

Strand	Topic	Benchmark	How this Standard is Met
SCIENCE			
Standard 5: Life and Environmental Sciences: DIVERSITY, GENETICS, AND EVOLUTION: Understand genetics and biological evolution and their impact on the unity and diversity of organisms	Unity and Diversity	SC.2.5.1 – Identify distinct environments and the different kinds of organisms each environment supports.	Students will discuss the diversity and interrelationship of plant and animal life in a dryland forest ecosystem.
SOCIAL STUDIES			
Standard 5: Political Science/Civics: PARTICIPATION AND CITIZENSHIP – Understand roles, rights (personal, economic, political) and responsibilities of American citizens and exercise them in civic action	Rights and Responsibilities	S.S.2.5.1 – Demonstrate own roles and responsibilities in caring for others and the environment	Students will explore topics such as conservation and sustainability, as well as learn ways in which they can be involved in caring for the environment.
LANGUAGE ARTS			
Standard 1: Reading: CONVENTIONS AND SKILLS: Use knowledge of the conventions of language and texts to construct meaning for a range of literary and informational texts for a variety of purposes.	Vocabulary and Concept Development	L.A.2.1.5 – Use new grade-appropriate vocabulary introduced in stories and informational texts.	Students will have opportunities to use vocabulary relating to dryland forest ecosystems while at the Discovery Forest, as well as while participating in activities downloaded from the Early Childhood Online Teacher Resources.
Standard 5: Writing: RHETORIC: Use rhetorical devices to craft writing appropriate to audience and purpose	Clarity	L.A.2.5.4 – Use specific nouns and adjectives to describe people, places, things, or events.	Students will compose haikus to describe their experiences at the Children’s Discovery Forest.