

GRADES 3 & 4 CURRICULUM OVERVIEW

LANGUAGE ARTS (Grade 3)

- **Reading:** Formulate Questions, Main Ideas/Supporting Details, Plot, Characterization, Theme, Word Analysis, Fluency, Decoding, Expression, Pausing, Pacing, Historical Fiction, Biographies, Poetry of Indigenous People's, Reads 120 wpm, Literature Discussions, Book Reviews, Reading Logs, Plot, Setting, Characters, Figurative Language
- **Writing:** Narratives, Developing Plots and Characters, Friendly Letters, Creative Writing, Personal Voice, Research Reports, Historical Fiction, Paragraphs, Main Ideas, Details, Outlining, Cursive, Spelling, Grammar, Root Words, Homophones, Prefixes, Suffixes, Subject-Verb Agreement, Articles, Quotation Marks
- **Listening:** Retelling in own words, summarizing and paraphrasing, responding to questions
- **Speaking:** Clear and Specific Vocabulary, Sequencing of Ideas, Creative Expression, Body Language, Group and Oral Presentations, Storytelling, Pantomime
- **The Arts:** Art, Music and Dance of Polynesia

LANGUAGE ARTS (Grade 4)

Reading: Fluency, Accuracy, Pacing, Expression, Vocabulary Development, Reading for Information, Skimming and Summarizing, Prediction, Compare/Contrast, Reads 130 wpm, Fantasy, Polynesian Poetry and Literature, Free Verse Poetry, Literature Circles, Book Critiques, Interviews, Reading Logs, Narrative vs. Expository Text, Story Elements, Word Derivations and Origins, Figurative Language

Writing: Multiple Paragraphs, Writing Process, Essential Understandings, Supporting Details, Writing for Various Purposes, Persuasive Writing, Class Magazine, Transitional Words and Phrases, Synonyms, Similes, Metaphors, Direct Quotes, Commas, Apostrophes, Italics, Note taking, Literature Responses, Formal Letters, Parts of Speech, Advertisements

Listening: Relevant Questioning, Summarizing Formally and Informally, Different Accents

Speaking: Voice Quality, Eye Contact, Posture, Forming Opinions, Formulating Questions, Reader's Theatre, Persuasive Speeches, Monologues, Mock Trials, Short Passage Prepared Read-aloud

The Arts: Art, Music and Dance of Polynesia

MATH (Grade 3)

- **Numeration:** Addition & Subtraction of 2 & 3 digit numbers with regrouping, 4 digit addition and subtraction without regrouping, single digit and double digit multiplication and division, three digit by one digit multiplication and division, checks division using multiplication, counts by 1000's, rounds numbers to nearest hundred or thousand, reads and writes Roman Numerals, Finds perfect squares, Multiplication
- **Fractions:** Decimals to the 1000th, Rounding Off, Estimating, Addition and Subtraction, Mixed Numbers, Equivalent Fractions
- **Mathematical Processes:** Estimation, reading, writing, & ordering of numbers, math journals, working in groups
- **Geometry:** Review Solid Figures, Congruent Figures, Tessellations

- **Algebraic Thinking:** Odd/Even, Missing Numbers, Venn Diagrams, Comparison Symbols (>, <, =), Input and Output, Patterns in sums, number models with parentheses
- **Measurement:** Customary and Metric Lengths/Sizes, Capacity, weight, temperature, time to nearest minute, elapsed time, am and pm, Adding, Subtracting and Multiplying Money
- **Statistics:** Various Graphs – pictographs, tally, line and bar graphs, ordered pairs

MATH (Grade 4)

Number Sense: Place value to 100 million, rounding to the thousands, estimation, addition & subtraction 4 or more digits, Multiplication 4 digits X 2 digits, properties of multiplication, Division 2 digits into 4 digits, long division with remainders, counts by 11's, cube roots and perfect squares, Approximate value of pi, Percents, Adding and Subtracting positive and negative numbers

Fractions: Adding and subtracting with like and unlike denominators, lowest common denominators, Decimals related to money, to 1000's, add and subtract decimals related to money

Mathematical Processes: Organizing and Displaying Data

Geometry: Plane and solid shapes, Parallelograms, Polygons, Circle Constructions, Lines, Rays, Segments, Perimeter, Area, Circumference

Algebraic Thinking: Identifying missing numbers, order of operations, symbols (>, <, =), Number Stories, True or False Number Sentences, Logic, Parentheses in Number Sentences, Open Sentences

Measurement: Time to the Second, Time Zones, Graphs, Weights, Distance, Circumference, Metric Units of Length, Conversion, Scale Drawings, Capacity, Weight

Statistics: Find the mean and median of a set of data

SOCIAL STUDIES (Grade 3 & Grade 4)

- **World Cultures: Polynesian Culture** - Polynesian values, beliefs and traditions are unique, meaningful and evolving.
- **History: Explorers Past and Present** - While motives for exploration have varied, explorers have played a large role in shaping world history.
- **Geography: Explorers Past and Present** - People settle in particular locations based on a variety of climactic and geographic conditions.
- **Geography: Polynesian Culture** - The geography of Polynesia is vast and varied.
- **Community: Preserving our Oceans** - The ocean is a community of fragile organisms that can be preserved and protected by communities and governments.
- **Economy: Off the Drawing Board: The Role of Inventions** - Technology has and is changing the world of work and leisure.

SCIENCE/HEALTH (Grade 3 & Grade 4)

- **Living Things: Ecosystem: The Ocean** - The ocean is a community of fragile organisms interacting with one another and with their environment.
- **Earth and Space: Shaping the Earth's Surface: Natural Disasters** - The natural features of the Earth have been formed over time and are still changing.

- **Materials and Matter: Ideas and Inventions** - Inventors and their inventions have helped shape our world.
- **Environmental Studies: Preserving our Oceans** - The ocean is a community of fragile organisms interacting with one another and with their environment.
- **Health and Life Skills: Human Body Systems** - Our bodies are composed of interdependent complex systems.

UNITS OF DISCOVERY

Theme: Human Body Systems

Essential Understanding: Our bodies are composed of complex, interdependent systems.

Essential Questions:

- 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?

Theme: Explorers Past and Present

Essential Understanding: Theme: Explorers Past and Present

Essential Understanding: While motives for exploration have varied, explorers have played a large role in shaping world history

Essential Questions:

- 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?

Theme: Polynesian Culture: Beyond the Hula

Essential Understanding: People use many different forms of expression to convey their uniqueness as human beings and as members of a specific culture.

Essential Questions:

- What constitutes Polynesian culture?
- How do artists express themselves and their cultures?
- How do people become or develop into artists?
- How we can express individual and cultural uniqueness through visual art, music, drama, dress and dance?

Theme: Natural Disasters: Tsunami's, Hurricanes, Earthquakes and Volcanoes

Essential Understanding: The natural features of the earth have been formed over time and are still changing.

Essential Questions:

- 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?

Theme: Off the Drawing Board

Essential Understanding: Technology has changed the world of work and leisure.

Essential Questions:

- What is technology?
- Who invents?
- What have been the most important human inventions and creations?
- How do inventors think and work?

Theme: Preserving Our Oceans

Essential Understanding: The ocean is a community of fragile organisms interacting with one another and with their environment

Essential Questions:

- 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?

