

CHOWCHILLA REFRIGERATOR CURRICULUM FOR FOURTH GRADE



ENGLISH LANGUAGE ARTS *

Aligned to Common Core State Standards

- Identify the theme or main idea of a story, play, or poem
- Compare stories from different cultures
- Compare and contrast the point of view from which different stories are told, including the difference between first and third person accounts
- Explain how an author uses facts, details, and evidence to support points; refer to these details/examples when drawing inferences from the text
- Read and interpret information presented in charts, graphs, timelines, and other illustrations
- Use standard English when speaking and writing
- Learn and use new vocabulary, including words related to specific subjects (e.g., science words, social studies words)
- Participate in discussions by listening, asking questions, sharing ideas, and building on the ideas of others
- Write stories with dialogue, describing characters' actions, thoughts, and feelings
- Take notes and organize information from books, articles, and online sources to learn more about a topic
- Write research or opinion papers over extended periods of time

MATHEMATICS *

Aligned to Common Core State Standards

- Use the four operations with whole numbers to solve problems
- Gain familiarity with factors and multiples
- Generate and analyze patterns
- Generalize place value understanding for multi-digit whole numbers
- Use place value understanding and properties of operations to perform multi-digit arithmetic
- Solve problems involving multiplication of multi-digit numbers by two-digit numbers
- Extend understanding of fraction equivalence and ordering
- Build fractions from unit fractions by applying and extending previous understanding of operations on whole numbers
- Understand decimal notation for fractions, and compare decimal fractions
- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit
- Represent and interpret data
- Geometric measurement: understand concepts of angle and measure angles
- Draw and identify lines and angles, and classify shapes by properties of their lines and angles

SCIENCE

Aligned to Common Core State Standards

Earth Science: Earth's Systems-Processes that Shape the Earth

- Identify evidence from patterns in rock formations and fossils in rock layers to support an explanation for changes in a landscape over time.
- Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
- Analyze and interpret data from maps to describe patterns of Earth's features.

You are your child's first and most important teacher. We value your support in building a solid foundation to prepare your child for school. This is a list of concepts and skills that will help your child be successful in fourth grade. **This list is only a sample and does not include everything that will be taught throughout the year.**

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SCIENCE CONTINUED :

Aligned to Common Core State Standards

- Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.

Life Science: Structure, Function and Information Processing Waves Information

- Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen.
- Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
- Use a model to describe that animals receive different types of information through their senses, process the information in their brain, and respond to the information in different ways.
- Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move.
- Generate and compare multiple solutions that use patterns to transfer information.

Physical Science: Energy

- Use evidence to construct an explanation relating the speed of an object to the energy of that object

- Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
- Ask questions and predict outcomes about the changes in energy that occur when objects collide.
- Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.
- Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.

Engineering

- Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
- Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.
- Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved

SOCIAL STUDIES

Aligned to Common Core State Standards

- Students demonstrate an understanding of the physical and human geographic features that define places and regions in California.

- Students describe the social, political, cultural, and economic life and interactions among people of California from the pre-Columbian societies to the Spanish mission and Mexican rancho periods.
- Students explain the economic, social, and political life in California from the establishment of the Bear Flag Republic through the Mexican-American War, the Gold Rush, and the granting of statehood.
- Students explain how California became an agricultural and industrial power, tracing the transformation of the California economy and its political and cultural development since the 1850s.
- Students understand the structures, functions, and powers of the local, state, and federal governments as described in the U.S. Constitution.

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