

CHOWCHILLA REFRIGERATOR CURRICULUM FOR THIRD GRADE



ENGLISH LANGUAGE ARTS *

Aligned to Common Core State Standards

- Read a wide range of stories and describe how a story teaches a lesson
- Describe characters in a story and how their actions contribute to events
- Read texts and answer questions about history, social studies, or science
- Refer to information from illustrations such as maps or pictures as well as the words in a text to support answers
- 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
- Gather 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

- Represent and solve problems involving multiplication and division

- Understand properties of multiplication and the relationship between multiplication and division
- Multiply and divide within 100
- Solve problems involving the four operations, and identify and explain patterns in arithmetic
- Use place value understanding and properties of operations to perform multi-digit arithmetic
- Understand that the four digits of a four digit number represent amounts of thousands, hundreds, tens, and ones; e.g. $3,706=3000+700+6=$ 3 thousands, 7 hundreds, 0 tens, and 6 ones
- Develop understanding of fractions as numbers
- Know and understand that 25 cents is $\frac{1}{4}$ of a dollar, 50 cents is $\frac{1}{2}$ of a dollar, and 75 cents is $\frac{3}{4}$ of a dollar
- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects
- Represent and interpret data
- Geometric measurement: understand concepts of area and relate area to multiplication and to addition
- Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures
- Reason with shapes and their attributes

SCIENCE *

Aligned to Common Core State Standards

Earth Science: Weather and Climate

- Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.
- Obtain and combine information to describe climates in different regions of the world.
- Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.

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 third 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:

Life Science: Life Cycles and Traits Interdependent Relationships in Ecosystems

- Develop models to describe that organisms have unique and diverse life cycles, but all have in common birth, growth, reproduction, and death.
- Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.
- Use evidence to support the explanation that traits can be influenced by the environment.
- Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing.
- Construct an argument that some animals form groups that help members survive.
- Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago.
- Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.
- Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

Physical Science: Forces and Interactions- Motion and Stability

- Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
- Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.
- Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.
- Define a simple design problem that can be solved by applying scientific ideas about magnets.

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 describe the physical and human geography and use maps, tables, graphs, photographs, and charts to organize information about people, places, and environments in a spatial context.

- Students describe the American Indian nations in their local region long ago and in the recent past.
- Students draw from historical and community resources to organize the sequence of local historical events and describe how each period of settlement left its mark on the land.
- Students understand the role of rules and laws in our daily lives and the basic structure of the U.S. government.
- Students demonstrate basic economic reasoning skills and an understanding of the economy of the local region.

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* Adapted from the Council of the Great City Schools Parent Roadmaps to Common Core Standards: <http://www.cgcs.org/domain/36>

Additional resource: National PTA <http://www.pta.org/4446.htm>