

Grade 4 - Weeks 9 and 10

Objectives

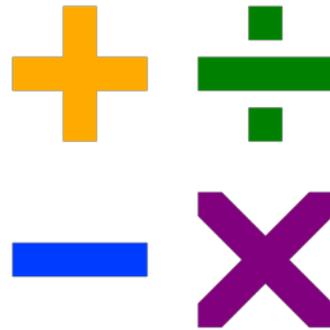
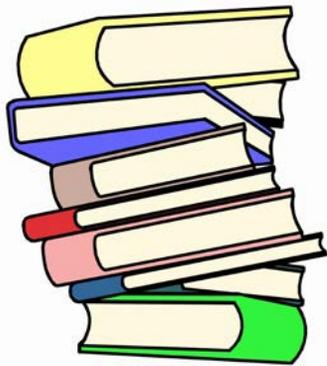
- Students will choose 3 choices from each of the content areas (Language Arts, Math, Science, and Social Studies) to show their understanding of content.

For Parents

- Read the choice options for each choice board and help your child choose 3 from each choice board for week 9 and week 10.
- Work with your child to complete 3 options on the choice boards.

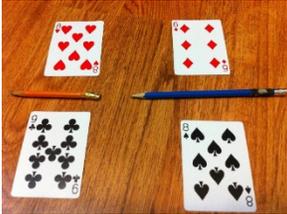
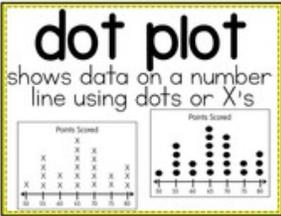
For Students

- Read the choice options on the choice boards.
- Choose 3 options for each week to complete.
- Complete 3 options for week 9.
- Complete 3 options for week 10.



Grade 4 – Math – Week 9 & 10

For Students: Complete 3 choices each week.

<p style="text-align: center;">Fractions</p> <p>Shuffle a Deck of Cards (remove J, Q, K, A).</p>  <p>Turn over 4 cards to create 2 fractions.</p> <p>Compare the fractions using $<$, $>$, or $=$.</p> <p>Repeat 5 times.</p>	<p style="text-align: center;">Operations <i>Wish List</i></p> <p>Find 10 items that you would like to purchase.</p> <p>Research their prices.</p> <p>Create a total amount you would need to purchase the items.</p>	<p style="text-align: center;">Time It!</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Start</p>  </div> <div style="text-align: center;"> <p>End</p>  </div> </div> <p>Record start and end time for four different activities.</p> <p>Find the elapsed time (how much time has passed) for each of the activities.</p>
<p style="text-align: center;">Play! Multiplication War!</p> <p>Use the 1-9 cards from a deck of cards.</p>  <p>Split the cards in half.</p> <p>Each player turns over 1 card.</p> <p>The player to find the correct product fastest keeps the cards.</p> <p>The game ends when 1 player has all of the cards.</p>	<p style="text-align: center;">Technology</p> <p>Complete at least 1 lesson on your adaptive software!</p> 	<p style="text-align: center;">Operations Read a short book.</p>  <p>Create 3 story problems that involve the people, places, and/or things in your book.</p> <p>Have someone else in your house solve them. Check their work!</p> <p>BONUS: Create story problems that would take more than one step to solve.</p>
<p style="text-align: center;">Graph It</p> <p>Shuffle a Deck of Cards (remove J, Q, K, A).</p> <p>Count out 15 cards.</p> <p>Sort by number and graph on a line plot.</p> <p>Ask a family member a question about your line plot.</p> <p>Check their work!</p> <p>Repeat 2 times.</p> 	<p style="text-align: center;">Geometry</p> <div style="border: 2px solid red; padding: 5px; display: inline-block;"> <p style="text-align: center;">Name the Shape Game</p>  </div> <p>Choose 5 shapes.</p> <p>Create a riddle for each shape that could be solved using attributes, like the riddle below.</p> <div style="border: 1px solid blue; border-radius: 15px; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">I have four sides. None of my sides have right angles. One set of my sides is parallel. Two of my angles are obtuse. What shape am I?</p> </div> <p>Test your riddles on your family.</p>	<p style="text-align: center;">Operations</p> <p>Teach your parent how to solve a 4 by 1 division problem.</p> $\begin{array}{r} 7 \overline{) 5,697} \end{array}$ <p>Teach your parent how to solve a 2 by 2 multiplication problem.</p> $\begin{array}{r} 82 \\ \times 65 \\ \hline \end{array}$ <p>Give them each kind of problem to solve.</p> <p>You check their work!</p>

Grade 4 - Science Choice Board - Weeks 9 & 10

For Students

- Choose 3 of the tasks below to complete for this week.

<p>Matter: Art</p> <p>Create a Mad Lib about matter, and have a friend supply the missing words. A Mad Lib is a story with some of the words missing. There is a blank under each missing word with the type of word written (see example below):</p> <p>The _____ scientist was examining a jar of _____.</p> <p><i>adjective</i> <i>plural noun</i></p> <p>The Mad Lib that you write should be about all of the different ways to classify matter (size, shape, color, texture, etc.). Then, illustrate the silly story!</p> <p>STATES OF MATTER</p>	<p>Energy: Art</p> <p>Look through magazines, newspapers, or sales ads and cut out at least one example of mechanical, light, sound, and thermal energy. Then, in your notebook, draw a picture of a light switch plate (see example below). Cut out your light switch plate drawing and decorate it with the different forms of energy you cut-out earlier!</p> <p>Forms of Energy</p>	<p>Structures and Functions: Art</p> <p>You will draw an imaginary plant. First, choose an environment (dry, wet, sunny, dark, windy, calm, etc.), for your plant. Then, think about the structures and functions your plant might need to help it survive in the environment you chose. In your notebook, draw your plant and label its parts in detail (example: waxy leaves for a plant in a dry environment).</p>								
<p>Matter: Math</p> <p>A student stirred a substance for 15 seconds to see whether the substance will dissolve in water. When they checked, it had not dissolved.</p> <p>After stirring the substance for 120 seconds, the student observed that the substance had completely dissolved. How many minutes did the students stir the substance?</p>	<p>Energy: Math</p> <p>Mrs. Crick is installing wind turbines and using wind energy to produce electricity. She wants to place the turbines in a line starting $\frac{1}{4}$ mile from her house, and place each turbine $\frac{1}{4}$ mile away from the next one.</p> <p>How far would the second turbine be from the house? _____mile</p>	<p>Organisms: Math</p> <p>Which leaves have the smallest area?</p> <table border="1"> <thead> <tr> <th>Leaf type</th> <th>Area</th> </tr> </thead> <tbody> <tr> <td>Prairie</td> <td>L: 6cm W: 2 cm</td> </tr> <tr> <td>Rain Forest</td> <td>L: 5 cm W: 19cm</td> </tr> <tr> <td>Taiga</td> <td>L: 4 cm W: 1cm</td> </tr> </tbody> </table>	Leaf type	Area	Prairie	L: 6cm W: 2 cm	Rain Forest	L: 5 cm W: 19cm	Taiga	L: 4 cm W: 1cm
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<p>Matter: Writing</p> <p>In your science notebook respond to the following, Look around the room. Can you find three more things that would be magnetic?</p>	<p>Energy: Writing</p> <p>Write about playing a drum. What must people do to play them? Do you think more than one part of the drum can produce sound? How do you think you can make the sound that comes from the drum louder or quieter?</p>	<p>Organisms: Writing</p> <p>Write about structures that a shark has that allow it to survive in its environment. What helps it survive and move in the water? What helps protect it from predators? Why do you think some sharks are different colors?</p>								