



4th Grade Summer Project

Student Name:

Grade Level Expectations: Students should complete the following tasks to prepare for entering 4th grade.

<p style="text-align: center;">English Language Arts</p> <ol style="list-style-type: none"> 1. Fluently read 161 words per minute 2. Determine the main idea and details in a story 3. Compare and contrast information in multiple texts and learn how to use organizational methods (Venn diagrams, maps, webs) 4. Recall and retell events from a story in order 5. Tell how the author uses details to support them in a story or text 6. Conduct research using online and printed material 7. Know how to write a story with a beginning, middle, and an end. 8. Know how to write multiple paragraphs and cite evidence 10. Know proper punctuation 	<p style="text-align: center;">Math</p> <ol style="list-style-type: none"> 1. Adding and subtracting whole numbers using a standard algorithm. 2. Round whole numbers to the nearest 10 and 100. 3. Understand the relationship between multiplication and division. 4. Memorize 0-12 multiplication facts. 5. Use addition, subtraction, multiplication and division to solve word problems involving more than one step. 6. Understand and identify benchmark fractions such as $\frac{1}{2}$, $\frac{1}{3}$, $\frac{2}{3}$, $\frac{1}{4}$, and $\frac{3}{4}$. 7. Order and compare fractions and identify equivalent fractions. 8. Solve problems involving the area and perimeter of rectangles. 9. Tell and write time as well as solve problems involving time.
<p style="text-align: center;">Science & Social Studies</p> <ol style="list-style-type: none"> 1. Read a map (key/legend, cardinal directions) 2. Identify ways citizens work together to influence government and help solve community and state problems. 3. Explain the importance of public service, voting, and volunteerism. 4. Know how to be safe when doing a lab (listen to directions, do not touch anything until instructed to do so, never put anything in your mouth) 5. A basic understanding of the steps of the scientific process 6. Explore with magnets 	<p style="text-align: center;">Social/ Emotional</p> <ol style="list-style-type: none"> 1. Work independently. 2. Work cooperatively in a group. 3. Follow directions and participate in group activities. 4. Share and communicate appropriately with other students and respect their peers. 5. Showing kindness, caring, and willingness to help others. 6. Demonstrate a responsibility for learning and conduct.



Directions: Select one task from each column that you would enjoy completing. Each task should be put on a separate sheet of paper with the subject and number as the header.

Number and Operations	Algebraic Reasoning	Measurement and Geometry	Data and Probability	Fractions
1. Create a worksheet with 20 multi-digit addition and subtraction problems that require regrouping. The multi-digit numbers should be greater than a 1,000 but less than 100,000. Be sure to include an answer key with explanations.	1. Set a timer for 2 minutes. See how many multiplication and division facts you can solve before the timer goes off. Do it daily for 2 weeks to see if you can break your record.	1. Find the perimeter and area of one room in your house. Draw and label with the dimensions on notebook or graph paper	1. Make a survey of 15 people for their favorite fast food restaurant. Show your data on a picture or bar graph. Also, create 4 questions about your graph, include answer key.	1. Draw a model to show each fraction. Label the models. 1/2 1/3 2/3 1/4 3/4 Then, make an equivalent fraction for each model.
2. Create a worksheet with 10 multiplication (2 digit by 1 digit) and 10 division (2 digit by 1 digit) questions. Be sure to include the answer key.	2. Garden Design Seeds come in packs of 12. You have 3 packs - tomato, cucumber, and pepper seeds. Draw an array to show your garden. You must plant all the seeds. Label where the different types of seeds are planted. Write a multiplication fact for the whole garden.	2. Create a vocabulary book (20 words) in geometry. It will include three columns. 1. Name 2. Definition 3. Drawing Vocabulary words: types of lines, types of angles, types of quadrilaterals, shapes, etc.	2. Create a Screen Time Tracker Chart. Collect and track the amount of time you spend watching TV, playing video games, Tablet/I-Pad, and phone screen time for 1 week. Total the amount of time in hours.	2. Where do you see fractions in real life? Provide 10 examples of where you find fractions in everyday life. Take a picture of the fractions to create a collage or draw a picture with the example.
3. Create a multiplication and division facts (0-12) board game on construction paper.	3. Word Problems Write 5 multiplication word problems and 5 division word problems	3. Angle Hunt Find 3 examples of acute, obtuse, right and straight angles in your neighborhood. Create a table with the name of the angle, definition, and drawing of the angle.	3. Make a survey on 20 people about their sleeping time daily. Show your data on a bar graph and a line plot. Create 4 questions about the graph and include answer key.	3. Write a letter to a friend explaining how to find how to find equivalent fractions and how to compare fractions. Make sure you give examples and explain the rules and strategies in steps as well.



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Life and Earth Science	Physical and Earth Space Science	Nature of Science	Communication
<p>Explore.org</p> <p>1. Find a habitat that was built by an animal. Ex: spider building a web Write a children's book explain how and why the animal made their home</p>	<p>Story</p> <p>1. Write a story about a piece of sediment that has undergone weathering. Write from the sediment's point of view.</p>	<p>Game</p> <p>1. Create a game about the scientific method</p>	<p>1. Think about what you would like to be when you grow up. Describe how this job will impact the world positively. Write 3 paragraphs (4-6 sentences each) explaining your future job.</p>
<p>Diagram</p> <p>2. Draw a diagram that illustrates the layers of Earth. Label and write at least 1 fact about that layer.</p>	<p>Comic Book</p> <p>2. Create a comic book about erosion. Use specific details</p>	<p>Song</p> <p>2. Create a song by writing down lyrics about how to follow the scientific method.</p>	<p>2. Think of a person whom you consider to be a hero. Explain why other people should admire this person. Write 3 paragraphs (4-6 sentences each)</p>
<p>Earth NASA Space Place – NASA Science for Kids</p> <p>3. Explore the resources on Earth on the NASA Kids website. Answer the Earth Questions from the site on a sheet of paper. Include a drawing of something interesting you learned.</p>	<p>Brochure</p> <p>3. Create a brochure about a gemstone. Research what type of rock it is, how it is formed, its hardness level, streak color, and where it is found.</p>	<p>Chart</p> <p>3. Using a piece of paper, create a chart to show 5 dos and don'ts of science lab safety. Include pictures and the reason you should or should not do that.</p>	<p>3. Everyone has a dream vacation. Think about what your dream vacation would be. Write 3 paragraphs (4-6 sentences each) explaining why this vacation is your dream.</p>

Science Websites:

www.nasa.gov/kidsclub/index.html

kids.nationalgeographic.com/

[Science for Kids - Fun Experiments, Cool Facts, Online Games, Activities, Projects, Ideas, Technology \(sciencekids.co.nz\)](http://sciencekids.co.nz)



Foundations	Reading	Florida History	Vocabulary
	Choose a book from the recommended reading list to use for the assigned tasks below. <u>Include the title of the book on the page you turn in</u>		Choose a book from the recommended reading list to use for the assigned tasks below. <u>Include the title of the book on the page you turn in.</u>
1. Synonym and Antonym- Choose 10 words from the recommended book you are reading. Write a synonym and antonym for each word and use one of them (synonym or antonym) in a sentence.	1. Complete a character analysis on the main character in a book you read this summer.	1. Create a map of your state. Draw important rivers, major cities, and any other key details you find.	1. Choose a vocabulary word from the recommended book you are reading. Write an acrostic poem that explains what the word means.
2. Homophones – Identify 10 pairs of homophones from your story. Write each homophone in a sentence. Homophones are words that sound the same but have different meanings.	2. Pretend to be a character from the recommended book you chose. Write a letter to your friend from the character's perspective. Include details and events from the story.	2. Create a timeline of your life. Include your birth year as the start. Mark 10 notable events that have happened to you or important world events in the timeline.	2. Create a list of twenty words from your story. Identify a <u>simile</u> for each word.
3. Make a list of 20 words with suffixes. (Remember that a suffix follows a base word. For example: shifted)	3. Write a letter to the author expressing your thoughts about the book. What did you like, what didn't you like, and what would you have changed? You must include at least 3 events that happened in the book to support your thoughts.	3. Create a summer diary. Each day, you will record an entry. Include what you have done that day and any important news. You are making a primary source.	3. Draw an illustration for 10 or words from the story that are new to you.

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Reading Websites:

1. Epic Reading
2. FreeKidsBooks.org



Recommended Reading List:

Title	Author
<i>Fish Cheeks</i>	Amy Tan
<i>Esperanza Rising</i>	Pam Munoz Ryan
<i>Where the Red Fern Grows</i>	Wilson Rawls
<i>To Catch a Fish</i>	Eloise Greenfield
<i>Casey at the Bat</i>	Ernest Lawrence Thayer
<i>Florida</i>	Tamra Orr
<i>Reaching for the Moon</i>	Buzz Aldrin
<i>Chester Nez and the Unbreakable Code: A Navajo Code Talker's Story</i>	Joseph Bruchac
<i>On the Wings of Heroes</i>	Richard Peek
<i>Toliver's Secret</i>	Esther Wood Brady
<i>The Story of Science: Aristotle Leads the Way</i>	Joy Hakim