5th Summer Project **Name:**

English Language Arts/SS	Math

• Fluently read 184 words per minute with expression
• Use phonics to decode unfamiliar words
• Correctly identify the setting, main events, conflict, and character traits in fiction texts
• Correctly identify the text structure and 5Ws (who, what, where, when, why) of an informational text
• Write a short summary of a text that identifies the main idea and supporting details
• Write a 5-paragraph narrative, opinion o informational piece
• Include dialogue, transitional words and descriptive words and phrases in their writing
	• Memorize 0-12 multiplication facts
	• Identify place value up to the millions place
	• Round numbers to any given place value up to a million
	• Fluently multiply 3-4 digit whole numbers by 2-digit who numbers
	• Perform long division by up to 4digit dividend with a single digit divisor
	• Basic understanding of fractions including:
	  ○ Represent fractions with a model, and on a number line
	  ○ Understand equivalent fractions
	  ○ Convert between mixed numbers and improper fractions
	  ○ Compare fractions with different denominators
	  ○ Finding fractions of a number (ex: ½ of 12 or ¼ of 20)

Science	**Readiness Skills**
• Relate that the rotation of Earth (day and night) and apparent movements of the Sun, Moon and stars are connected • Identify the common physical properties of earth-forming minerals including hardness, color, luster, cleavage and streak color, and recognize the role of minerals in the formation of rocks • Recognize that humans need resources found on Earth and that these resources are either renewable or nonrenewable • Describe the basic differences between physical weathering and erosion • Compare and contrast the major stages in the life cycle of Florida plants and animals (complete and incomplete metamorphosis, flowering and nonflowering plants) • Describe the structures in plants and explain their role in food production, support, water and nutrient transport and reproduction	• Take responsibility for one's mistakes • Respond positively to constructive criticism • Demonstrate an ability to prevent, manage and resolve personal conflicts in constructive ways • Recognize the perspective and feelings of others • Practice with handling stressful situations (i.e. test taking/working at frustration level) • Practice with dealing with upsetting situations (i.e. being left out, losing a game) • Decision making skills to deal with academic and social situations • Practice cleaning up after oneself • Follow directions without multiple prompts

Recommended Reading List: (check BEST STANDARDS MANUAL)

- “Fish Cheeks” by Amy Tan
- “Mother Doesn’t Want a Dog” by Judith Viorst
- “Aaron and Alexander: The Most Famous Duel in American History” by Don Brown
- “Carry on, Mr. Bowditch” by Jean Lee Latham
- “Casey at the Bat” by Ernest Lawrence Thayer
- “Chester Nez and the Unbreakable Code: A Navajo Code Talker’s Story” by Joseph Bruchac
- “Esperanza Rising” by Pam Munoz Ryan
- “Florida” by Tamra Orr
- “Fort Mose: And the Story of the Man Who Built the First Free Black Settlement in Colonial America” by Glennette Tilley Turner
- “Halfway Down” by A.A. Milne
- “Homer Price” by Robert McCloskey
- “Little House on the Prairie” by Laura Ingalls Wilder
- “On the Wings of Heroes” by Richard Peck
- “Promises to Keep: How Jackie Robinson Changed America” by Sharon Robinson
- “Reaching for the Moon” by Buzz Aldrin
- “Tales of the Odyssey” by Elizabeth Winthrop
- “The Castle in the Attic” by Mary Pope Osborne
- “The Declaration of Independence” by Elaine Landau
- “The Lion, The Witch and the Wardrobe” by C.S. Lewis
- “The Story of Science: Aristotle Leads the Way” by Joy Hakim
- “A Wolf’s Story” by Toby Forward
- “To Catch a Fish” by Eloise Greenfield
- “Toliver’s Secret” by Esther Wood Brady
- “Where the Red Fern Grows” by Wilson Rawls
- “Where was Patrick Henry on the 29th of May?” by Jean Fritz

- Complete one task from each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. MATH: Measurement Task 2) Math Websites: Khan Academy, Brainpop, Prodigy

Number and Operations	Algebraic Reasoning	Geometric Reasoning	Measurement	Fractions
1) Use place value to help you put the following numbers in order of greatest to least 7, 234 77, 177 3, 144, 502 71, 23592, 984 90, 123	1)Draw a window that is divided into fourths and label each panel with one of the following words: addition, subtraction, multiplication and division. For each operation, write a minimum of 5 words and phrases that are synonymous or clue words for that operation.	1) Write a how-to paragraph describing the steps to drawing and plotting a point on a coordinate graph. Use the terms: origin, x-axis, y-axis, perpendicular, quadrant, ordered pair, point and coordinate plane in your paragraph.	1) Jump and measure the distance you traveled 10 times. Record the data in a line plot and write/solve two different word problems.	1) Create a cube and label each side with a different fraction (use unlike denominators). Roll the die twice and add the two fractions together. Do this 10 times. Don't forget to simplify.
2) Create an 8-digit number with the digit 6 in four different places. Use words to explain the difference in the value of the 6.	2) Create a ten-panel accordion foldable where you write and solve 10 multiplication problems as a comparison word problem.	2) Locate a constellation map. Choose ten different constellations and map them on a coordinate plane. Create a legend which includes the name and ordered pairs that make up each constellation.	2) Survey 10 people to see what fraction of a birthday cake they would eat. Create a line plot based on the data, then write and solve 3 different word problems.	2) Create your own fraction bingo game. Your game must include 25 adding and subtracting fractions with like and unlike denominator problems and two different bingo boards. Don't forget the bingo calling cards with the answers.
3) Solve the riddle: my digits are 1, 3, 5, 7, and 9, but not in that order. I have a 3 in the tens place. My hundreds place is greater than 8, I am worth less than 20, 000. What number am I? Write 3 more 6-digit riddles.	3) Create your own scoot game: divide your paper into twenty different sections and write one multiplicative comparison word problem in each box. In this game, players must move around from one desk to the next and write an equation with a symbol to represent the unknown number in one of the boxes available. Do not forget the answer key.	3) You have been asked to organize your town's next carnival. The carnival will need to have 10 game booths, a stage with a seating area, 8 food stands, 10 picnic tables, 3 ticket booths and 10 large areas for rides using the first quadrant of a coordinate graph. Create a detailed map of the carnival that includes the name and ordered pairs for each location.	3) Look through a cookbook and write down the amount of flour needed in 10 recipes. Create a line plot using the data you collected and write/solve 4 different word problems.	3) Using a piece of graph paper, design a quilt using 5-7 colors. Once your quilt is finished, determine the fraction of each color and calculate the difference between each color.

Complete one task from each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (Ex, Nature of Science Task 1)

Life and Earth Science	Physical and Earth Space Science
1) **Lifecycle Diagram** Research and create a diagram on an incomplete and complete metamorphosis. Be sure to draw out and label each part of the lifecycle. What conclusion can you draw about the similarities and differences between the two lifecycles?	1**) Gravity Experiment** Gather 2 objects of similar mass. Come up with a testable questions (How does…affect) about what will happen when they are dropped from the same height at the same time. Create a hypothesis to match your testable question. The hypothesis must match an "if…then…because" statement. Complete the experiment and record your findings.
2)**Food Chain Diorama** Create a diorama on food chains. Include different organisms in the food chain and label them. Show and explain how they relate and depend on each other. What conclusions can you draw about the similarities and differences between producers and consumers?	2**) Moon Data Collection**: Observe the moon each day for one month. For each observation, record the date and time and illustrate how the moon looks each day in a table format. Your table should be organized and easy to read.
3) **Adaptations Computer Project**: Design a computer project on adaptations. What are some of the adaptations that plants and animals need to help them survive? Include examples and show real world connections. Include pictures, graphics and key vocabulary words. What conclusions can you draw about the similarities and differences between plant and animal adaptations?	3)**Weather Graph** Record the weather in Jacksonville, FL for 1 week. Then compare our weather to a city on a different continent. Make a line graph to display your data comparing the cities. Do not forget to have a title, label your axis, and have equal intervals on your scale.

Science Websites:

Nasa Kids Club

Discovery Kids Classroom

Brainpop

Complete one task from each column. Each task should be put on a separate sheet of paper with the topic and task as the header (Ex: Communication Task 2)

Fluency	Reading	Communication	Vocabulary
1) Read the first assigned fluency passage 5 consecutive times and log the word count. Then create a dictionary entry for at least 3 unfamiliar words. Include the word, pronunciation, part of speech, definition and use the word in a sentence.	1) Choose a text from the list above. Summarize the events from the text by creating a comic strip. You should have at least 6 frames.	1) After reading a book from the list above, write a book review of the novel. You should have at least 3 paragraphs with 4-6 sentences.	1) While reading a book from the list above, record 5 words you found interesting. Note why you chose that word.
2) Read the second assigned fluency passage 5 consecutive times and log the word count. Then create a dictionary entry for at least 3 unfamiliar words. Include the word, pronunciation, part of speech, definition and use the word in a sentence.	2) Choose a text from the list above. Use a flow chart to explain several (at least 6) events from the text.	2) Choose a character from the book you read and write a letter to them. Ask them questions about their experience. Share your opinion on how they handled the situation and how you might have handled it differently. You should have at least 3 paragraphs with 4-6 sentences.	2) Create a frayer model for 5 words from the text. These should words you learned or words that are important to the text.
3) Read the third assigned fluency passage 5 consecutive times and log the word count. Then create a dictionary entry for at least 3 unfamiliar words. Include the word, pronunciation, part of speech, definition and use the word in a sentence.	3) Choose a text from the list above. Create a timeline of the sequence of events. Your timeline should have at least 6 events on it.	3) Use a graphic organizer to compare characters and events from the text. You should have at least 6 comparisons.	3) Chose 8 unfamiliar words from the text and write a short story including all 8 words.

Reading Websites:

Readworks.org

Epic.com

Readwritethink.com