PROJECT DUE DATE: September 7, 2021

Grade Level Expectations

Reading:

Upon entering 5th grade students should be able to…

1. RI/RL.1.1 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
2. RL.1.2 Determine a theme of a story, drama, or poem from details in the text, including how characters in a story or drama respond to challenges or how the speaker in a poem reflects upon a topic; summarize the text.
3. RL.2.4 Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.
4. RI.1.2 Determine two or more main ideas of a text and explain how they are supported by key details; summarize the text.
5. L.3.4 Determine or clarify the meaning of unknown and multiple meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.
    a. Use context (e.g., cause/effect relationships and comparisons in text) as a clue to the meaning of a word or phrase.
    b. Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., photograph, photosynthesis).
    c. Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.

Math:

Upon entering 5th grade students should be able to…

1. Students know all their multiplication facts as it is a third-grade standard. They must know their multiplication facts not just to multiply, but also for division, fractions, percent, prime and composite numbers, area and volume calculations, and conversions between measurements. Because these skills require multiplication, students who know their facts tend to learn more quickly than those who do not.
2. Students know place value up to millions. They can use this knowledge to write numbers in word form, expanded form, and standard form, and round to a given place value

3. Students fluently multiply 3-4-digit whole numbers by 2-digit whole numbers using traditional algorithm.
4. Students perform long division by up to 4-digit dividend with a single digit divisor.
5. Student have basic fractions knowledge such as
   a. Represent fractions with a model, and on a number line
   b. Understand equivalent fractions
   c. Convert between mixed numbers and improper fractions
   d. Compare fractions with different denominators
   e. Finding fraction of a number. (Ex: ½ of 12 or ¼ of 20)

Science:

Upon entering 5th grade students should be able to…

1. Relate that the rotation of Earth (day and night) and apparent movements of the Sun, Moon, and stars are connected.
2. 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.
3. Recognize that humans need resources found on Earth and that these are either renewable or nonrenewable.
4. Describe the basic differences between physical weathering and erosion.
5. Compare and contrast the major stages in the life cycle of Florida plants and animals (complete and incomplete metamorphosis, flowering and nonflowering plants).
6. Describe the structures in plants and explain their role in food production, support, water and nutrient transport, and repro

Required Summer Reading

Fiction: Esparanza Rising by Pam Muñoz Ryan

Esperanza thought she'd always live with her family on their ranch in Mexico--she'd always have fancy dresses, a beautiful home, and servants. But a sudden tragedy forces Esperanza and Mama to flee to California during the Great Depression, and to settle in a camp for Mexican farm workers. Esperanza isn't ready for the hard labor, financial struggles, or lack of acceptance she now faces. When their new life is threatened, Esperanza must find a way to rise above her difficult circumstances--Mama's life, and her own, depend on it.

Recommended Reading List

Fiction:

Dear Mr. Henshaw by Beverly Cleary

From the Mixed-up Files of Mrs. Basil E. Frankweiler by E. L. Konigsburg

Holes by Louis Sachar

Island of the Blue Dolphins by Scott O'Dell

Matilda by Roald Dahl

Walk Two Moons by Sharon Creech

Ungifted by Gordon Korman

The Toothpaste Millionaire by Jean Merrill

Non-Fiction:

Rise Up: Ordinary Kids with Extraordinary Stories by Amanda Li

The Bluest of Blues: Anna Atkins and the First Book of Photographs by Fiona Robinson

Before She Was Harriet by Lesa Cline-Ransome

Let Them Play by Margot Theis Raven

Nurse, Soldier, Spy: The Story of Sarah Edmonds, a Civil War Hero by Marissa Moss

Who Was/What Was Series - You can choose any book from the series to read.

Recommended Reading Resources

- Readworks.org
- Brainpop.com
- Scholastic.com
- Epic.com
- Readwritethink.com

Recommended Math Fluency Activities

Recommended Math Resources

- IXL.com
- Khanacademy.com
- Learnzillion.com
- Kahoot.com
- Brainpop.com

ELA CHOICE BOARD

The book _Esparanza Rising_ should be used for fiction activities. Any non-fiction book can be used for informational text activities.

Complete __2_ task(s) in each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. ELA: Reading Informational Text Task #2)

Reading Literature	Reading Informational Text	Writing	Vocabulary
1 Compare and Contrast two characters in the story using a Venn Diagram.	1 Create 5 multiple choice questions for the text. Include an answer key.	1 Choose one book and write a letter to a character or person in that book. Ask them questions and share your opinions.	1 Choose 8 words from the vocabulary list. Then write a short story including all 8 words.
2 Choose one story and imagine an alternate ending or a sequel. Summarize it into a paragraph.	2 Create a timeline of the book. The timeline must include 8 events with pictures and captions.	2 Write a book review for each book. Who would you recommend the books to? Why?	2 Choose 3 vocabulary words from the list. For each word, create a word cloud listing synonyms in green and antonyms in red.
3 If you could have dinner with one character from each book, who would it be? Why? Create a menu for your dinner. Include a picture of your menu.	3 Create a comic strip summary of each story with at least 5 frames.	3 From one of the books, choose a part you did not agree with how a character handled the situation. How would you have handled it? Give two reasons why you would have handled it differently.	3 Choose one word from the list and create a word collage. The collage must include the word, 5 images that represent the word and the definition. Be as creative as you want!
4 Using Esparanza's name, create an acrostic poem using words that describe her character traits.	4 Write a paragraph stating why you think the author wrote each book.	4 After reading, what important lessons did you learn from each book? How has the text changed or inspired you?	4 Choose 10 words from the list to create a vocabulary review game.

MATH CHOICE BOARD

Complete ___ task(s) in each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. MATH: Operations & Algebraic Thinking Task #4)

Operations & Algebraic Thinking	Number & Operations (Base 10)	Fractions	Measurement & Data & Geometry
1 Draw a window that is divided into fourths and label each pane with one of the following words: addition, subtraction, multiplication, and division. For each operation, write a minimum five words or phrases that are synonymous or clue words for that operations	1 Create a vocabulary book for the following vocabulary: Include the definition, example/picture Factor Multiple Composite Prime Product Quotient Dividend Divisor Remainder Sum Difference	1 Create a vocabulary book for the following vocabulary. Include the definition, example/picture Fraction Numerator Denominator Like Fractions Unlike Fractions Equivalent Fraction Proper Fractions Improper Fractions Mixed Numbers	1 Find these shapes around your house: - Square - Rectangle - Trapezoid - Rhombus - Parallelogram Draw the object and label the shape. Write down properties of each shape. Make a Venn diagram to compare and contrast Square and rhombus
2 Create a calendar where you practice writing and evaluating numerical expressions. For each day, write a numerical expression in one color and interpret the expression in another. For example, you can write 5 more than 4 in blue and 5+4 in red for the 9th day of the month.	2 Look through the book order or Amazon and choose 10 books you would like to purchase. Estimate the total cost of the books to the nearest dollar. Then, find actual cost. If you have only $100 to purchase to books will it be enough to purchase all the books? If not how much more money do you need?If yes, how much money will you have left over?	2 Create a foldable teaching others the steps to solving adding or subtracting fractions with like denominators word problems.	2 Create your own "Would you rather? "game. On index cards, write conversion questions such as: Would you rather east 50 grams or 250 milligrams of chocolate? On the back of each card, convert the units to the same measurement.
3 Determine the pattern. What comes next in each pattern? 1, 1, 2, 4, 7, _____ 4, 9, 16, 25, _____ 49, 64 Create 5 number pattern questions ?	3 Look for advertisements with numbers (online, in newspapers, or in magazines). Find 5 decimal numbers least your numbers for least to greatest, ,write the word names(written form),and expanded form for the decimal numbers.	3 Using a piece of graph paper, design a quilt using five to seven colors. Once your quilt is finished, determine the fraction of each color and calculate the difference between each color.	3 Look through a cookbook/search online and write down the amount of flour needed in 10 recipes. Create a line plot using the data you collected and write/solve five word problems.

SCIENCE CHOICE BOARD

Complete __1_ task(s) in each column. Each task should be put on a separate sheet of paper with the subject and number as the header. (i.e. Science: Life Science Task #1)

Life Science	Physical Science	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 question (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.	1 **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. Do not forget to have a title, label your axes, and have equal intervals on your scale.
2 **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.	2 **Forms of Energy Foldable** Create a foldable on the different types of energy. What is important to know about each type of energy? You must have at least 6 parts to your foldable. Include real world examples, key vocabulary words, pictures and graphics, and real-world connections.	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. **(3rd grade can keep the nasa link)**
3 **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 conclusion can you draw about the similarities and differences between producers and consumers.	3 **States of Matter Experiment** Part 1 - Get a cup of water and cover it with plastic wrap. Create a testable question (How does….affect…) about what will happen to the water when it is placed on a windowsill for 5 days. Part 2 – Freeze a cup of water. After a day place the cup from the freezer in the refrigerator with a coin on top of the frozen water. Create a hypothesis about what will happen after 2 days. It must be an "If…then…because" statement.	3 **Rock Cycle Scavenger Hunt** Collect 10 different rocks from around your neighborhood. Classify the rocks based on one of the following properties: texture, color, size, or luster. Create a bar graph to display your results. Do not forget to label your axes, title, and have equal intervals on your scale.

Esperanza Rising Vocabulary

Vocabulary Word	Part of Speech	Definition
arbor	noun	A shelter of vines or branches
cluster	noun	A number of similar things that occur together
vicious	adjective	Characterized by evil, corrupt or depraved
premonition	noun	A warning in advance
sprawl	verb	To spread the limbs in a relaxed fashion
scold	verb	To find fault angrily
capricious	adjective	Tending to change abruptly and without reason
condolence	noun	An expression of sympathy with another in grief
indignation	noun	Anger or scorn resulting from injustice
deliberate	adjective	Carefully thought out or planned
smoldering	adjective	Burning or smoking without flame
reek	verb	To have a strong, unpleasant smell
monotonous	adjective	Going on in the same tone without variation
stagnant	adjective	Without motion or current, not moving
barren	adjective	Unable to produce offspring
wrung	verb	To squeeze or twist (past tense of wring)
accost	verb	To approach and speak to in an aggressive way
twinge	verb	To feel a sharp, sudden pain
menace	noun	A threat or danger
asylum	noun	A place of refuge or protection