



RIVER CITY SCIENCE ACADEMY ELEMENTARY K-5



RCSA Elementary Summer Project: **3rd Grade**

PROJECT DUE DATE: Tuesday, September 7th, 2021

Grade Level Expectations (Upcoming 3rd Graders should be able to...)

English Language Arts

- LAFS.2.RL.1.1 - Ask and answer questions such as who, what, where, when, why, and how, to demonstrate understanding of key details in a text.
- LAFS.2.RL.1.2 - Recount stories, including fables and folktales from diverse cultures, and determine their central message, lesson, or moral.
- LAFS.2.RL.1.3 - Describe how characters in a story respond to major events and challenges.
- LAFS.2.RL.3.9 - Compare and contrast two or more versions of the same story (e.g., Cinderella stories) by different authors or from different cultures.
- LAFS.2.RI.1.2 - Identify the main topic of a multi-paragraph text as well as the focus of specific paragraphs within the text.
- LAFS.2.RI.2.6 - Identify the main purpose of a text, including what the author wants to answer, explain, or describe.

Recommended Reading List

3rd Grade Fiction List

- *Bee Dance* – Rick Chrustowski
- *Superfudge* – Judy Blume
- *The Day the Crayons Quit* – Drew Daywalt
- *Four Famished Foxes and Fosdyke* – Pamela Duncan Edwards
- *Eleanor* – Barbara Cooney
- *One Morning in Maine* – Robert McCloskey
- Diary of a Wimpy Kid series – Jeff Kinney
- *The Patchwork Quilt* – Valerie Flournoy
- Horrible Harry series – Suzy Kline
- Cam Jansen series – David A. Adler

3rd Grade Non-Fiction List

- *We the Kids: The Preamble of the Constitution of the United States* – David Catrow
- *Ruby Bridges Goes to School* – Ruby Bridges
- *Henry's Freedom Box* – Ellen Levine



RIVER CITY SCIENCE ACADEMY ELEMENTARY K-5



- National Geographic Kids series – Multiple authors
- *Heroes of the Revolution* – David A. Adler
- *The Declaration of Independence from A to Z* – Catherine L. Osornio
- *Looking at Lincoln* – Maira Kalman
- *Now and Ben: The Modern Inventions of Benjamin Franklin* – Gene Barretta
- *We the People: The Story of Our Constitution* – Lynne Cheney
- I Survived series – Lauren Tarshis

Recommended Reading Resources

- Scholastic - scholastic.com
- Epic! – getepic.com
- BrainPOP – brainpop.com
- Readworks – readworks.org
- readwritethink – readwritethink.org
- ABCya – abcya.com
- i-Ready – login.i-ready.com

Recommended Math Fluency Activities

- <https://www.coolmath4kids.com/quizzes>
- <https://www.multiplication.com/quiz/multiplication-self-correcting-quizzes>
- <https://quizizz.com/admin/search/multiplication>
- https://www.mathplayground.com/grade_3_games.html

Recommended Math Resources

- ABCya – abcya.com
- i-Ready – login.i-ready.com
- BrainPOP – brainpop.com
- Splash Learn – splashlearn.com has free memberships for parents
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ELA CHOICE BOARD

Complete at least **2** tasks in each column. Students are only required to complete **2** tasks per column, but they are encouraged to complete more as desired. Before completing tasks in the Reading Literature and Reading Informational Text columns, students should read at least one fiction and one non-fiction story from the Recommended Reading List. 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	Writing	Language	Foundations
1 Make a hypothesis about what may have changed if a character was in a different setting in the book.	1 Use a flow chart to explain several key events from the text.	1 Write a poem about two main events in a story you have read this summer.	1 Create five sentences about summer and label the parts of speech.	1 Make prefix flashcards. https://www.k5learning.com/sites/all/files/prefix.pdf
2 Pick 5 events. Write cause and effect statements for those events.	2 Pick a scene that is described in detail in the story. Draw a picture and write your own description of what is happening.	2 Write a letter to a character from a story you have read this summer.	2 Create a list of 10 words. Write the synonym and antonym for each word.	2 Make suffix flashcards. https://www.k5learning.com/sites/all/files/suffix.pdf
3 Design a comic strip that shows the sequence of events in the story.	3 Pick 3-4 vocabulary words that you either do not know the meaning of or are important to understanding the text. Give the definition for each and use in a sentence.	3 Write a short paragraph about your favorite things about summer.	3 Make flashcards for the parts of speech. Include definitions and examples.	3 Pick 10 words from the list to create a long paragraph with. https://rivercityscience-my.sharepoint.com/:b:/g/personal/cmiller_rivercityscience_org/EdPI_P2X4DRFvhPhscMxP_sBZ8dqSG5hLK0tlcAaeXy3BQ?e=A2drwR



RIVER CITY SCIENCE ACADEMY ELEMENTARY K-5



<p>4 Write a 10-question test/quiz for the book. Create an answer key.</p>	<p>4 How have your opinions or feelings changed after reading the selection? Give a specific example from the text.</p>	<p>4 Pick three journal topics to write about. https://www.lakeshorelearning.com/assets/media/images/free_resources/teachers_corner/printables/junWritingPrompts16.pdf</p>	<p>4 Complete the Irregular Plural Nouns activity sheet. https://rivercityscience-my.sharepoint.com/:b:/g/person/cmiller_rivercityscience_org/ERPcwBHvfLhDo02AYD3w4AYBqbtYhtJ8EC07lpOllloeyJQ?tJ8EC07lpOllloeyJQ?e=OWI9An</p>	<p>4 Pick 10 words from the list and create word pyramids. c ca cat https://rivercityscience-my.sharepoint.com/:b:/g/person/cmiller_rivercityscience_org/EdPI_P2X4DRFvhPhscMxP_sBZ8dqSG5hLKOtlcAaeXy3BQ?e=A2drwR</p>
<p>5 Create a graphic organizer comparing and contrasting two characters in the story.</p>	<p>5 What 3 details from the text do you feel are MOST IMPORTANT in supporting the main idea? Include specific evidence from the text.</p>	<p>5 Should summer break be longer or shorter than it is now? Write a 5-paragraph opinion essay.</p>	<p>5 Print and complete the Mad Libs. https://rivercityscience-my.sharepoint.com/:b:/g/person/cmiller_rivercityscience_org/ES8iF2H2XC1JmPgkP-OR5YcB5QH0Q3FI0TccaeQp09nN1g?e=WHO67P</p>	<p>5 Print and complete the fluency pages. https://rivercityscience-my.sharepoint.com/:b:/g/person/cmiller_rivercityscience_org/EaQadxBCD15CnUC3fYQUAgBqwlgSiz3c41BriOID4JD7g?e=LxaRu6</p>



MATH CHOICE BOARD

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. MATH: OA4)

Operations & Algebraic Thinking	Number & Operations (Base 10)	Numbers & Operations (Fractions)	Measurement & Data	Geometry
<p>OA1 Choose 6 multiplication facts and create a story problem for each one. Show how each problem would be solved using the multiplication fact.</p>	<p>NBT1 Watch this video and take notes showing the sample problems that you did during the lesson.</p>	<p>NF1 Play "Thirteen Ways of Looking at a Half". Write about your experience playing the game. What happened as it got harder?</p>	<p>MD1 Visit this website and find 2 different worksheets about bar graphs to complete.</p>	<p>G1 Complete and pass four iReady lessons in Geometry.</p>
<p>OA2 Watch this video and this video. Take notes showing examples from the videos. (write down what they show you in the video)</p>	<p>NBT2 Complete 2 or more multiplication worksheets from this website.</p>	<p>NF2 Watch this video and draw fraction number lines for 5 different fractions.</p>	<p>MD2 Visit this website to find 2 different worksheets to practice telling time to the nearest minute.</p>	<p>G2 Play the Tangram Game. Build four different pictures and draw what you've made on a piece of paper.</p>
<p>OA3 Watch "Divide and Ride" on YouTube and write down the division problems shown in the story. (There should be an equation for each of the rides)</p>	<p>NBT3 Watch "Sir Cumference and All the King's Tens". Create a place value chart like the one shown on page 32 of the book.</p>	<p>NF3 Practice creating the correct fractions by playing "Worm Sandwich Fractions". Print your final score to turn in.</p>	<p>MD3 Explore with the Area Builder game in BrainPop. Create five shapes. Draw a picture of your shapes and write down the areas and perimeters.</p>	<p>G3 Watch the "Greedy Triangle" on Youtube. Make a glossary of the different shapes with at least three examples of each shape.</p>



RIVER CITY SCIENCE ACADEMY ELEMENTARY K-5



OA4 Complete and pass four iReady lessons in Algebra/Algebraic Thinking.	NBT4 Complete and pass four iReady lessons in Numbers and Operations.	NF4 Watch " The Hershey's Milk Chocolate Bar Fractions Book " read aloud on Youtube. Take notes about the equivalent fractions shown in the book. Make a glossary of fraction vocabulary.	MD4 Watch "Spaghetti and Meatball for All" on Youtube. Watch for what happens to the area and perimeter of the tables as the story goes along. Draw pictures and take notes from the last two pages of the book. Show the areas and perimeters of the tables.	G4 Watch " If You Were a Quadrilateral! " on YouTube. Play the Drawing Quadrilaterals game shown in the book and create a glossary of quadrilaterals. (Be sure to include pictures)
OA5 Practice your math computation for addition, subtraction, multiplication, and/or division by playing " Math Bingo ". Print your score report to turn in.	NBT5 Visit this website to find 2 different worksheets to practice place value and/or rounding.			



RIVER CITY SCIENCE ACADEMY ELEMENTARY K-5



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
<p>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.</p>	<p>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.</p>	<p>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.</p>
<p>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.</p>	<p>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.</p>	<p>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)</p>



RIVER CITY SCIENCE ACADEMY ELEMENTARY K-5



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.