

Second Grade Summer Packet

This project is due September 8, 2020.

Expectations for Upcoming Second Graders

MATH <ul style="list-style-type: none">• Skip count to 100 by 2s, 5s and 10s• Add and subtract single-digit numbers• Add and subtract double-digit numbers without regrouping• Identify two-dimensional and three-dimensional shapes• Tell time to the hour or half-hour• Identify even and odd numbers• Read a simple bar graph• Describe patterns• Use a ruler to measure inches and centimeters	READING <ul style="list-style-type: none">• Read and write phonetic words as well as high-frequency words• Craft correctly punctuated sentences• Comprehend short chapter books with simple words and identify the main idea, setting, characters. etc.• Identify nouns, action verbs and adjectives, use rhyming words• Follow three-step spoken or written directions• Read fluently and expressively• Discuss what they have read.
STEM <ul style="list-style-type: none">• Understand the Solar System and how Earth and our life relate• Understand the concept of habitats and distinguish between different types of habitats• Know that objects can be described, classified and compared to their composition and properties (color, shape, etc.)• Recognize and observe characteristics and behavior of living and non-living things• Use investigation to seek information• Collect and record data using tallies, lists, charts and graphs	SOCIAL-EMOTIONAL SKILLS <ul style="list-style-type: none">• At the start of second grade, students should be able to work independently, sustain attention for a longer time period and follow classroom routines.• Students should be able to easily interact with their peers, as well as with adults.• Although students will still have some issues when working in a group or encountering a source of conflict, they should be able to work out most issues amiably or seek help when appropriate.

Homework Expectations

- Pass 2 reading and 2 math iReady lessons per week
- Daily math practice sheet
- Daily reading fluency practice passage
- Quarterly projects

HOMEWORK MUST BE PRINTED AT HOME from RCSA CONNECT!

Book Recommendations

AR LEVEL ONE

<u>FICTION</u>	<u>NONFICTION</u>
Clifford collection	Foal to Horse
Biscuit collection	Busy Honey Bees
Fly Guy collection	Animal Helpers
Eric Carle books	Slow Sloths
I Can Read Level One books	Amazing Snakes
Cork and Fuzzy Series	I Spy Series
The Pigeon collection	I am a Caterpillar
Amazing Stardust Friends	
Best Friends	

AR LEVEL TWO

The Berenstain Bears collection	Petting Zoo
Pete the Cat collection	I am Water
Henry & Mudge collection	Fly Guy Present: collection
Olivia collection	Frogs
Arthur collection	Ugly Cute Animals
There Was an Old Lady... collection	Rocks and Minerals
Flat Stanley collection	Hibernation
Junie B. Jones collection	Birds and beaks
Poppleton	Titanic Sinks
Fancy Nancy collection	Animal Hospitals
Amelia Bedelia collection	Ruby Bridges
Curious George collection	Martin Luther King
If You Give a Mouse... collection	Lizards
	Hermit Crabs
	Angel Sharks

Book Recommendations continued

AR LEVEL THREE

Puppy Place series	My Journey to the Stars
A-Z Mysteries series	The Man Who Walked Between the Towers
Capital Mysteries series	Daring Amelia
My Weird School series	Giraffes
Time Warp Trio series	Thomas Edison and His Bright Idea
Crenshaw	Owls
The Whipping Boy	Pouch Babies
The One and Only Ivan	Baby Otters
Henry's Freedom Box	Flight of the Butterflies
Spy X series	Baby Meerkats
Cam Jansen collection	Bugs, Bugs, Bugs
Goosebumps collection	The Boy Who Loved Math: The Improbable Life of Paul Erdos

Website Recommendations

The websites listed below are online resources we recommend that provide additional practice in reading, writing, and math.

https://www.getepic.com/
https://www.jaxpubliclibrary.org/
https://www.starfall.com/h/index-grades123.php
https://www.coolmath4kids.com/
https://www.freechildrenstories.com/
http://www.sheppardsoftware.com/

Math Choice Board Directions

1. Using page 5-6 of this packet, pick a task from **EACH** row to complete (i.e. one from addition, one from subtraction, one from measurement, etc.). **You will complete seven tasks in total!**
2. Complete the task and then record the task number on page 10.
3. Out of the 7 tasks you completed, pick your favorite and send a picture of it using ClassDojo.

Reading Choice Board Directions

1. Using page 7-8 of this packet, choose 10 tasks from **EACH PAGE** to complete. You should be reading MULTIPLE (10 or more) books to complete the tasks.
2. Complete the tasks and then record the task number on page 10.
3. Out of the 20 tasks you completed, pick your favorite and send a picture of it using ClassDojo.

STEM and Writing Choice Board Directions

1. Using page 9 of this packet, choose 2 tasks to complete. **You must complete the entire row for each task.**
2. Complete the tasks and then record the task number on page 10.
3. Out of the 2 tasks you completed, pick your favorite and send a picture of it using ClassDojo.

Math Choice Board

Addition	1. Word Problems Write and illustrate four different addition word problems.	2. Design a Game Create a board game to practice addition facts. Be sure to include the rules for your game!	3. Doubles Book Illustrate a book that will help someone learn their doubles facts up to 20.	4. Comic Creator Create a comic about a plus sign and his first day on the job. Make sure it has a problem and a solution.	5. Speedy Addition Set a timer for one minute. Roll two dice, add up the numbers, and write an addition sentence. How many can you finish before time runs out? Play again and try to beat your score!
Subtraction	6. Subtract & Spell Choose 8 subtraction facts to solve. Instead of writing them using numbers, write each of them using word form. Ex: Six minus two equals four	7. Subtraction Story Write a story about a minus sign who thinks he isn't important because he makes numbers smaller. How will he realize that he is important?	8. Subtraction Book Illustrate a book with at least 6 pages that shows different subtraction story problems.	9. Secret Subtraction Think of a top-secret message. Use the key to write a subtraction fact for each letter in the bottom row, leaving a blank space between words. Trade with a friend when and try to decode each other's messages!	10. Missing Part Riddles Write five different riddles about missing parts. Solve each of your riddles. Example: There are 10 fish. Some are orange and some are blue. If 3 are orange, how many are blue?
Measurement	11. Food Fun Think of your favorite food. Then, think about all of the things about that food that you could measure. Make a list of at least five.	12. Guess & Check Find eight things in your home to measure. Estimate and then measure. Find the differences between your estimates and the actual measurements.	13. Animal Measurement Choose six animals to research. Record the length of each animal and then make a drawing of each, showing them in order from shortest to longest.	14. Real World Make a list of five different times measurement is used in the real world. Then, write about the most important way you use measurement in your life.	15. What's the Difference? Use a ruler to measure different items in your room. Then, write subtraction sentences to show the difference in length between the objects.
Graphing and Data	16. Speedy Survey Create a survey question with three choices. Survey 10 people and create a tally chart and graph to report your findings.	17. What's the Weather? Collect weather data for two weeks and then create a bar graph to show your findings. Write and answer 3 questions to go with your graph.	18. Roll & Graph Roll a die and graph how many times you roll each number. Keep going until one of your bars reaches 10. Then, ask and answer three questions about your graph.	19. Design Data Create a design using beads, cereal or anything else you can find (maximum of 10 items). Then, create a tally chart and bar graph to show how many of each block you used in your design.	20. Tally Time Think of a survey question with four choices. Survey 10 people and create a tally chart to report your findings. Then, ask and answer five questions to go with your data.

Math Choice Board

Time	<p>21. Analog vs. Digital Which type of clock is better – analog or digital? Write an opinion piece telling which you think is best and why. Include at least three reasons.</p>	<p>22. From AM to PM Make a list of things that usually happen in the AM and things that usually happen in the PM. Put at least 5 things in each list.</p>	<p>23. Perfect Day Make a schedule showing what you would do on your perfect day. Show the time for each activity. Then, ask and answer five questions about your schedule.</p>	<p>24. Pros & Cons What if we didn't tell time? Write down 5 pros (good things) and 5 cons (bad things) about a world where no one told time.</p>	<p>25. Seconds, Minutes, Hours Brainstorm a list of things that take you seconds, minutes, and hours. Put at least 8 things in each list.</p>
Geometry	<p>26. Home Map Draw a map of your home using as many 2D shapes as you can. Label and color your map.</p>	<p>27. Shape Debate Choose a shape and create an argument for why that shape is better than all the others. Include at least four reasons in your argument and draw a picture to match.</p>	<p>28. Shape Collage Go on a scavenger hunt around the room for 3D shapes. Take pictures and create a collage of the shapes you found. Be sure to label!</p>	<p>29. Fraction Foods Create a booklet that shows different fractions of different foods (for example, $\frac{1}{4}$ of a donut, $\frac{1}{2}$ of a sandwich).</p>	<p>30. Compare & Contrast Use a Venn Diagram to compare and contrast two shapes of your choice. Complete this activity at least two times with different shapes.</p>
Money	<p>31. \$1, \$5, \$10 Show how many pennies, nickels, and dimes are in \$1, \$5, and \$10. Do you notice any patterns?</p>	<p>32. Pop Quiz Create a quiz to "test" a student on counting coins. Your quiz must have at least 10 questions and an answer key.</p>	<p>33. Coin Designer Design a new penny, nickel, dime, and quarter. Who should be on them and why? Illustrate and label your new coins. Be sure to include their values.</p>	<p>34. Money Menu Create a menu for a restaurant with at least 10 items and their price. Then, show different combinations of meals you can purchase, with the total cost of each meal.</p>	<p>35. Musical Money Create a song to teach the values of each of the coins. Use the tune of "Happy Birthday", "Twinkle Twinkle", or another song of your choice.</p>

Reading Choice Board

#1 Read a book to someone and create a different ending for the story.	#2 Complete an i-Ready Reading lesson. Record your score on the parent signature page.	#3 Create a book jacket for the book you read. Make sure it looks different from the actual book jacket. Include the title, setting, characters and a short summary on the back.	#4 Create a 10 question Q and A between a reporter and a character in the story. The answers should show what you know about the character in the story.	#5 Create a 5-picture comic strip showing 5 major events from the book in sequence. Include captions and dialogue bubbles to retell the story along with pictures.
#6 Write a one-page letter to a friend recommending your book. Tell that friend what the book was about and why you would recommend it.	#7 Write an exciting newspaper article about one major event from the book. Make sure to use an exciting headline and include who, what, where, when details in your article.	#8 What would your book look like if it were a movie? Create a movie poster to represent that. Include critics' reviews, short plot summary, and title/author of the book it is based on.	#9 Complete an i-Ready Reading lesson. Record your score on the parent signature page.	#10 Write a one-page journal entry in the voice of a chosen character. Make sure this journal expresses the character's thoughts, feelings and ideas.
#11 Make a timeline of 5 important events that occurred in the story. Be sure to put them in the correct order!	#12 Complete an i-Ready Reading lesson. Record your score on the parent signature page.	#13 Read a book on a favorite genre or author. Create a map of the most important setting. Add text boxes telling the events in the story that made that setting important!	#14 Read the story out loud with a family member or friend. Write three questions to quiz your family member or friend after you are finished reading the story. Then quiz them!	#15 Write a letter to the author. Describe how the story made you feel. Give the author ideas about a sequel (A sequel is a continuation of a story).
#16 Read a book to a sibling or parent. Or read a book out loud to a stuffed animal.	#17 Write a story about a trip.	#18 Write a story about an animal.	# 19 Find 6 nouns in your house.	#20 Write the steps to cook a meal

Reading Choice Board

<p>#21 Read a book. Write down words you may not know the meaning to. Look up the words in a dictionary or online to learn the meaning.</p>	<p>#22 Choose a phonics pattern. Then read a book and write down the words that follow that pattern. Possible patterns to choose from: silent-e, ee, ea, ai, ay, ew, ue, ui, oa, ow, ar, or, ore, er, ir, ur, air, are, ear, au, aw, oi, oy.</p>	<p>#23 Draw a random shape. Give the shape features like a mouth, eyes, arms, and legs. Write about your new character. What do they look like? How would they act if you met them?</p>	<p>#24 Think of a would you rather question. (Example: Would you rather eat tacos or pizza?) Then write your response. Remember to have an introduction, 3 detail sentences, and a conclusion.</p>	<p>#25 Complete an i-Ready Reading lesson. Record your score on the parent signature page.</p>
<p>#26 Write a synonym and antonym for:</p> <p style="padding-left: 40px;">big hot wet closed loud</p>	<p>#27 Write the abbreviation for:</p> <p style="padding-left: 40px;">Mister August Doctor Street</p>	<p>#28 Complete an i-Ready Reading lesson. Record your score on the parent signature page.</p>	<p>#29 Put these words in alphabetical order:</p> <p style="padding-left: 40px;">pig horse cow farm rooster</p>	<p>#30 Write the 2 words that make the contraction:</p> <p style="padding-left: 40px;">aren't can't couldn't she'll don't</p>
<p>#31 Read a story. Draw a picture of the main character. List their inside and outside character traits.</p>	<p>#32 Fold three papers in half and staple them to create a book. Write a story that has a beginning, middle, and end.</p>	<p>#33 Write the plural form for each word below.</p> <p style="padding-left: 40px;">book fish wish wolf puppy</p>	<p>#34 Read a book and write about the characters</p>	<p>#35 Create a poem or a song that summarizes the story. Do not forget important elements like title, setting, problem and solution!</p>
<p>#36 Complete an i-Ready Reading lesson. Record your score on the parent signature page.</p>	<p>#37 Make a picture dictionary of ten key vocabulary words that you think are important from your book.</p>	<p>#38 Write the plural form for each word below.</p> <p style="padding-left: 40px;">book fish wish wolf puppy</p>	<p>#39 If you could step into the story you are reading what is the first thing you would do?</p>	<p>#40 Chose one character and explain why you would or would not want him/her as a friend in real life.</p>

STEM and Writing Choice Board

Task 1	<p>#1 Beach Day This week you'll plan the perfect beach day. First, you need to do research and pick which beach you'll go to. Decide where you'll go and how you will get there.</p>	<p>#2 It's time to plan out what you will do when you get there. What activities would you do? Will any of them cost money? If so, estimate how much money you should bring to the beach.</p>	<p>#3 You don't want to forget anything for this trip. Create a packing list to make sure you have everything you need.</p>	<p>#4 Create a schedule of what your perfect beach day will look like. Include what time each activity will start and how long it will take. This way you can fit in everything you want to do!</p>	<p>#5 What a great day! Write a journal entry telling all about your beach day. Describe what the beach was like, what you did, and how you felt!</p>
Task 2	<p>#6 Zoo Trip This week you'll plan a trip to the zoo. Research the zoo to learn how long it will take to get there. Decide what time you need to leave to get there when it opens!</p>	<p>#7 Look at the zoo's website. What animals do they have? Which animals do you plan on seeing when you go? Write a list of questions you would ask the zookeeper while you're there.</p>	<p>#8 Create a schedule to follow for your trip. Include all of the exhibits you'll visit, any shows you'll see, and other activities the zoo offers. Include the time each activity will start and how long it will take.</p>	<p>#9 What is one animal you wish the zoo had? Write a letter to the zookeeper telling them why that animal would be a great addition to the zoo.</p>	<p>#10 Create your own map of the zoo. Make sure to include a key. If there is no photo of a map on the zoo's website, you get to create your own from scratch!</p>
Task 3	<p>#11 Pool Party This week you'll plan a pool party for your friends. Today, decide who you will invite and what food you will serve at the party. Make a list of both!</p>	<p>#12 Before you can choose a date for the pool party, you need to check the weather. Research the weather for the next two weeks in your town. Choose a date for your pool party – why did you pick this day?</p>	<p>#13 Create an invitation to send out. Let them know when and where the party is, and what food you'll serve. Make sure you persuade them to come!</p>	<p>#14 Design a new pool float for the party. You can be as creative as you want. Draw a picture of it and write a paragraph explaining how it will work. Don't forget to give your new float a creative name!</p>	<p>#15 Create a new pool game for the party. Write out step by step instructions so you can teach your friends how to play the new game at the party!</p>
Task 4	<p>#16 Family Campout This week you'll plan a family campout! Today, you'll need to look up some campsites nearby and choose one for your campout.</p>	<p>#17 Plan what food you will eat during your campout. Decide what you'll have for breakfast, lunch, and dinner. Make a grocery list of what you'll need.</p>	<p>#18 No one else in your family knows how to make s'mores! Write down step by step instructions on how to make s'mores so they know what to do at the family campout.</p>	<p>#19 What activities will you do during the campout? Will you go fishing, hiking, etc? Make a schedule of the activities you'll do. Include the time you'll do them and how long they'll take.</p>	<p>#20 Design your dream tent for the campout. You can design the outside with whatever you'd like, and even design the inside as well. Be creative – your tent can include anything you'd like!</p>

Signature Page

Math Choice Board: Complete 1 task from each row for a total of 7. Indicate below which tasks you completed from each row by writing the number on the line.

ROW	TASK NUMBER
Addition	
Subtraction	
Measurement	
Graphing and Data	
Time	
Geometry	
Money	

Reading Choice Board: Complete 10 tasks from each page for a total of 20 tasks. Writing tasks should be completed on notebook paper so students are comfortable writing on the lines correctly.

	TASK NUMBER
Page 7	

	TASK NUMBER
Page 8	

STEM and Writing Choice Board: Complete 2 tasks. 1 task is an entire row, you must complete 2 entire rows.

Task Number Completed: _____

Task Number Completed: _____

By signing on the line below, I verify that I completed the assignments listed above during summer break:

Student signature: _____ Date: _____

Parent signature: _____ Date: _____