

**Reading/English Language Arts, Math  
and Social Studies  
Summer Enrichment Packet for  
Rising 2nd Graders**



**Prince George's County Public Schools  
Division of Academics  
Department of Curriculum and Instruction**

## Directions

Your child has learned so much this school year! It is important that your child keep his/her brain active over the summer to be ready for next year. This packet includes important reading, writing, and math skills that your child will be expected to know prior to starting second grade. These skills are listed on the next page. Once your child has completed an activity, have a family member initial in the box on the calendar or in his/her journal.

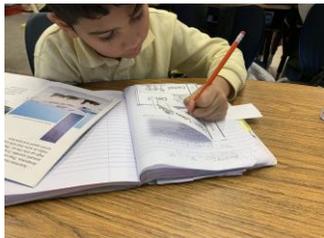
-  **Families should preview the calendar and additional activities together.** There are some tasks that may require advanced planning,
-  **Students should read for at least 30 minutes each day.**
-  **Students will need a journal to complete summer work.** The journal will be your child's personal space for completing daily activities. You may purchase one or you can make a journal by stapling several pieces of paper together or use a notebook/binder with paper. Students can decorate their journal. Specific journaling tasks are given some days, but students may also journal after each day's reading, noting things that stood out, questions that they have, or general wonderings about the text.
-  **Each journal entry should:**
  - Have the date and assignment title.
  - Communicate the child's thoughts using drawing, labeling pictures using spelling that incorporates the sounds your child hears in the words (spelling does not have to be correct) or writing independently, if able.
-  **Use the chart in this packet to record books read during summer vacation.** Students may also use pages in their journal when the chart is filled up.

# *School Readiness:*

## *What Students Should Know and Be Able to Do Entering Second Grade*

Based on the Maryland College and Career Ready Standards

### Reading/English Language Arts



- Read and retell stories and show they understand the lesson of the story
- Ask and answer questions about a story, including characters, settings, and major events
- Compare and contrast the experiences of different characters
- Identify the reasons an author gives to support a point
- Explain differences between texts that tell stories and texts that provide information
- Know and apply the letter-sound relationship for consonant digraphs (ch, sh, wh, th), long and short vowels
- Know that long vowel words often end with an "e" (*bike, made*)
- Know and use text features to read an informational text (table of contents, captions, maps)
- Describe people, places, things, and events, expressing feelings and ideas clearly
- Learn and use new words
- Learn basic rules of spoken and written English
- Work with others to gather facts and information on a topic
- Write to describe an event, provide information on a topic, or share an opinion
- Participate in class discussions by listening, responding to what others are saying, and asking questions

### Mathematics



- Count to 120
- Fluently add and subtract within 10
- Add and subtract up to 20 using strategies
- Represent and solve addition and subtraction problems
- Work with addition and subtraction equations
- Understand place value, recognizing a two-digit number is made up of tens and ones
- Measuring length using non-standard measurement tools
- Tell and write time to the hour and half-hour
- Represent and interpret data
- Reason with shapes and their attributes (closed figures, number of sides)

# Sight Word List for Students Entering Second Grade

Material: scissors

Cut out the words.

## See and Say

Ask your child to look at the word on a flash card and say the word while underlining it with their finger.

## Read, Spell, Read

Ask your child to say the word, spell out the letters, and then read the word again.

## Air Writing

Ask your child to say the word, and then write the letters in the air.

## Table Writing

Ask your child to read the word, and then write the letters on a table using their finger. (Variation: write the word in whip cream, shaving cream, on sandpaper, or a tray of rice.)

an	as	ask	fly	going
just	let	just	may	more
of	old	once	open	pull
put	round	school	stop	take
thank	them	these	think	where

# Dictation Sentences

Materials: journal and pencil

Use one set of sentences each week during the summer. Read both sentences to your child one time. Then, read the sentences word by word. Give your child time to write the words.

1. Does Tim have the time to play in the yard? Yes, he will take a ball with him.
2. I am going to come out and play with the twins. They are my good friends.
3. Can I run and make two jumps into the pond? The wet water will not be hot.
4. Her face is red from the sun. We will need to make the burn stop.
5. What could be in the gift box? I want a dish to eat my cake.
6. When will we shop for a jeep to ride? The car is too little to fit the children.
7. I grabbed a thin stick to hit the mark. It will bend if I tap the wall too hard.
8. Her wish was to have two yellow flags to wave in the warm wind. They can wave high in the sky.
9. How are the small feet going to walk on sand? Will they sink in this spot?
10. My pal has a brown box with a cool lid. I can fill it with stuff I like.

# Letter Tiles

Materials: envelope, scissors, or Ziploc bag (to store letters)

Cut out the letter tiles on the following pages. Have your child select letter tiles to make words. Have your child write the words and use them in sentences. Then, have your child write the sentences in his/her journal. (See journal instructions on the Directions Page.)

A	A	A	A	B	B
B	B	C	C	C	C
D	D	D	D	E	E
E	E	F	F	F	F
G	G	G	G	H	H
H	H	I	I	I	I

J	J	J	J	K	K
K	K	L	L	L	L
M	M	M	M	N	N
N	N	O	O	O	O
P	P	P	P	Q	Q
Q	Q	R	R	R	R

S	S	S	S	T	T
T	T	U	U	U	U
V	V	V	V	W	W
W	W	X	X	X	X
Y	Y	Y	Y	Z	Z
Z	Z				



a	a	a	a	b	b
b	b	c	c	c	c
d	d	d	d	e	e
e	e	f	f	f	f
g	g	g	g	h	h
h	h	i	i	i	i

j	j	j	j	k	k
k	k	l	l	l	l
m	m	m	m	n	n
n	n	o	o	o	o
p	p	p	p	q	q
q	q	r	r	r	r

s	s	s	s	t	t
t	t	u	u	u	u
v	v	v	v	w	w
w	w	x	x	x	x
y	y	y	y	z	z
z	z				

## Reading/English Language Arts Summer Enrichment Calendar

Prince George's County Memorial Library System also has a summer reading program. Students may use their PGCPSS student identification number to check out materials.

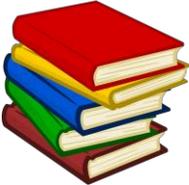
To participate, visit: <https://www.pgcmls.info/>.

Information about Barnes and Noble's summer reading incentive program is available at <http://barnesandnoble.com/summerreading/index.asp>

A free e-book library (in English, Spanish, or Dual Language) is available for all students during June and July at: <https://benchmarkeducation.com/didstancelearning>

	Sunday <b>Fluency</b>	Monday <b>Comprehension</b>	Tuesday <b>Journal Entry/Writing</b>	Wednesday <b>Vocabulary</b>	Thursday <b>Word Work</b>	Friday <b>Website</b>	Saturday <b>Library Day</b>								
<p><i>Note: If you are interested in English Language Learner Supports, visit <a href="https://jr.brainpop.com">https://jr.brainpop.com</a> for games and activities.</i></p>															
<b>Week 1</b>	Read a new or a favorite story with a family member for 30 minutes.	<p>These compound words are muddled up. Can you sort them out?</p> <table style="width: 100%; border: none;"> <tr> <td>Playbox</td> <td>Anyroom</td> </tr> <tr> <td>Cupbody</td> <td>Classground</td> </tr> <tr> <td>Handboard</td> <td>Bookfall</td> </tr> <tr> <td>Waterbag</td> <td>Postshelf</td> </tr> </table>	Playbox	Anyroom	Cupbody	Classground	Handboard	Bookfall	Waterbag	Postshelf	Write a letter to a friend. Tell your friend about the plans you have for the summer. Be sure to include the places you would like to go, and the things you plan to do.	Ask a family member to read aloud a newspaper or a magazine. Did you hear a new and interesting word? Talk about this word. Then, write this word in your journal and use it in a sentence.	<p>Here are examples of words that end in:</p> <p style="text-align: center;">-ug   -ut   -un</p> <p style="text-align: center;">bug   cut   bun</p> <p>How many more words can you think of with these endings? Write those words in your journal. As you read today, try to find other words with these endings, and add them to your list.</p>	Visit <a href="http://www.pbskids.org">www.pbskids.org</a> for activities, games, and parent resources.	Pay a visit to your local public library or visit the library online, and apply for a library card. Also, pick up a copy of the Summer Reading List and check out a recommended book.
Playbox	Anyroom														
Cupbody	Classground														
Handboard	Bookfall														
Waterbag	Postshelf														
<b>Week 2</b>	Reread the book, or part of the book that you checked out of the library yesterday with a family member.	Explain to a family member how the character in the book you are reading solved a problem; or, if your book is informational, tell some new facts that you learned in your book.	Think of 5 fun things you like to do other than watching TV, or playing video games. Write the list in your journal.	<p>Homophones are words that sound alike, but are spelled differently. Write these sentences with the correct homophone:</p> <ul style="list-style-type: none"> <li>• The (bee, be) makes honey.</li> <li>• We played soccer for an (our, hour).</li> <li>• The (son, sun) is shining today.</li> </ul>	<p>How many words ending in <i>-tion</i> and <i>-ing</i> can you find today?</p> <p>Make a list in your journal. Here are two to help start your list.</p> <ol style="list-style-type: none"> <li>1. playing</li> <li>2. addition</li> </ol> <p>As you read today, try to find other words with these endings, and add them to your list.</p>	Visit <a href="http://www.abcya.com">http://www.abcya.com</a> to read along with short stories as they are read to you.	<p>June is National Safety month. Check out a library book to learn how to keep you or your home safe.</p> <div style="text-align: right; border: 2px solid red; padding: 5px; width: fit-content; margin: 10px auto;"> <p><b>SAFETY FIRST!</b></p> </div>								

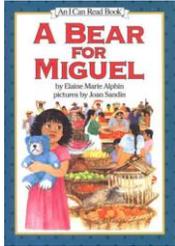
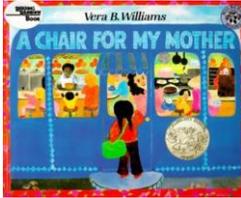
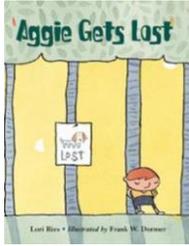
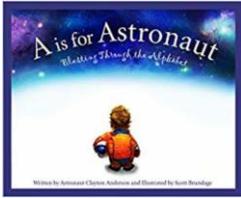
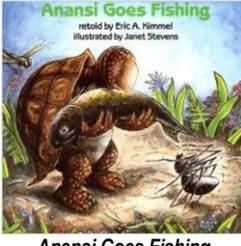
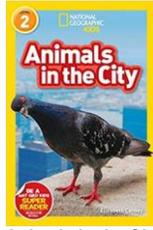
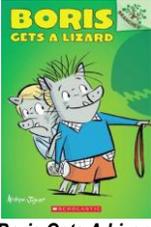
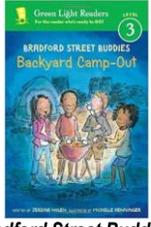
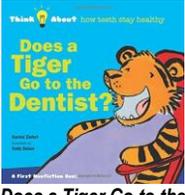
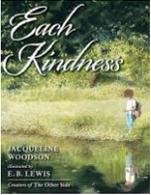
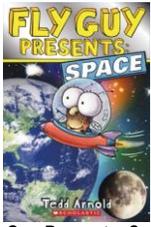
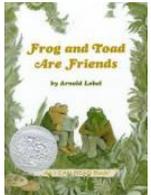
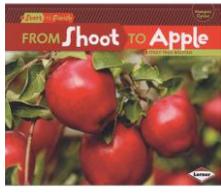
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<b>Week 3</b>	Practice reading your book on safety. When you are ready, read it to your family.	Explain to an adult why it is important to be safe around the house.	Write about what you like to do when it rains in your journal. 	The next time you are in a car, make a list of as many of the words you see on the street signs. Write them in your journal when you get home.	Make tonight "Game Night" with your family. Play Apples to Apples or Pictureka or any other fun word game. 	Visit <a href="http://www.starfall.com/">www.starfall.com/</a> , an interactive website that contains phonics games, stories, videos, and literacy resources for parents.	Check out a poetry book by Jack Prelutsky, or another poet.
<b>Week 4</b>	Read several poems from your book. Read your favorite poem aloud to a family member or friend.	Tell a friend about the poems you read yesterday. Explain what the poems mean to you and why.	Write an Acrostic poem about something you've done with your family. Start each line of your poem with the letter on each line. B E A C H 	Learn two new words today. Write the meaning of the words in your journal. Then, create a tally chart and mark how often you use the words correctly throughout the day. Were you able to use the words at least three times throughout the day?	Antonyms are words with opposite meanings. <u>Hot</u> is the opposite of <u>cold</u> , <u>day</u> is the opposite of <u>night</u> . Write the antonym of these underlined words in your Word work journal: 1. This pillow is <u>hard</u> and fluffy. 2. I ate my ice cream the <u>slowest</u> . 3. The wolf is a <u>tame</u> animal. 4. I couldn't stay <u>asleep</u> during the movies.	Visit <a href="http://www.abcmouse.com">www.abcmouse.com</a> Choose a category or any of the additional learning activities. Practice basic reading skills.	Check out a recipe book or a book about food. Try to read and follow one of the recipes with an adult. 
<b>Week 5</b>	Reread some recipes or a section of the food book that you chose aloud with a family member. 	Read another recipe with an adult. Explain to an adult the steps of the recipe and why it is important to follow the recipe in order. 	Have you done any baking this summer? Write in your journal about a time that you have helped bake or cook something with a family member. Be sure to include a picture with labels.	Opposites are all around us! As you are enjoying the summer day, think about the things you have done. Write a word or phrase describing what you have done and then the opposite.  For ex. Run outside  Walk inside	Foods can help you read and spell words! Create a food chart in your journal. Divide your paper into four columns. Place the following words at the top of each column, <b>corn, rice, meat, peach</b> . Then, think of words that rhyme, and place them in the correct column.	Visit <a href="http://www.learninggamesforkids.com/keyboarding_games/typing_factory.html">http://www.learninggamesforkids.com/keyboarding_games/typing_factory.html</a> to practice your typing.	Check out a book about friends, such as <i>Frog and Toad are Friends</i> by Arnold Lobel. 

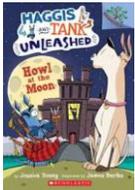
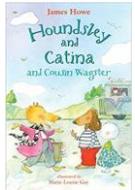
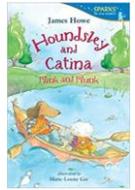
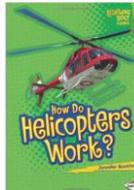
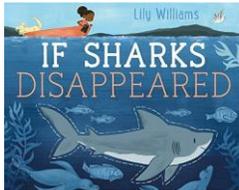
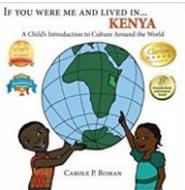
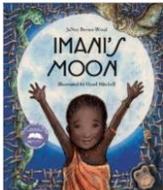
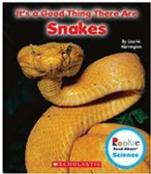
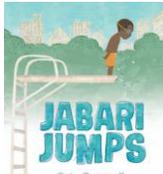
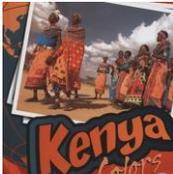
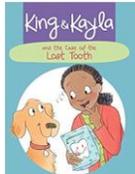
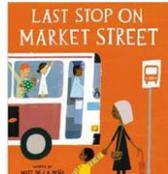
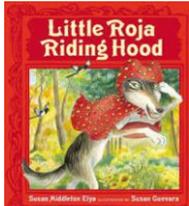
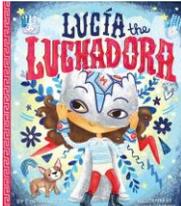
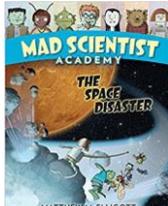
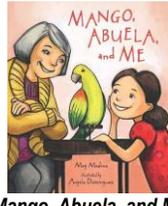
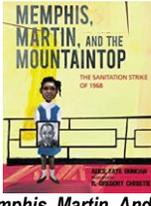
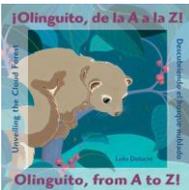
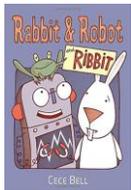
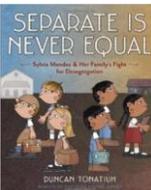
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<b>Week 6</b>	<p>Listen to an audiobook in the car or at home today. Then, listen again and read along.</p> 	<p>Read your book about friends. Why do you think the characters are friends? Tell a family member about the characters and their friendship.</p>	<p>Think about the story you are reading. Write a note to the author and tell your favorite part.</p> 	<p>How many words can you think of that deal with friendship? Write these words in your journal. Then, share your list with a friend.</p>	<p>Synonyms are words that are the same. Write these words in your journal: large, tiny, happy, sad, and shy. As you are watching TV today or reading your book, try to listen for synonyms of the given words. Then, write them down in your journal.</p>	<p>Visit <a href="http://www.wordle.net">http://www.wordle.net</a> and make a "word cloud" together. Fill it with words you want to learn next school year.</p>	<p>Check out a fairytale or folktale from the library. Suggestions: <i>Cinderella</i>, <i>Beauty and the Beast</i>, and <i>The Three Little Pigs</i>. You may also select a book from the recommended reading list.</p>			
<b>Week 7</b>	<p>Lights, Camera, Action!</p> <p>Using the fairytale you read yesterday, work with your family to put on a play. Include interesting sound effects and props too!</p>	<p>Think about the book you have been reading. Does it remind you of another fairytale? If so, share. If not, explain to someone how the story is different.</p> 	<p>If you could be in any fairytale, what would it be? Write a paragraph about you as the star in one of the fairytales. Be sure to include a drawing of yourself as one of the main characters.</p>   	<p>Spell as many words as you can using the following ten letters: a, l, b, b, c, d, k, l, r, s.</p> <p>Divide your paper into three columns: three letter words, four letter words, and five or more letters. How many words can you make for each column?</p>	<p>Use the following letters tiles: f, r, i, e, n, d, s, h, i, p Then use your letter tiles to make a word. For example:</p> <table border="1" data-bbox="1346 695 1497 753"> <tr> <td>d</td> <td>e</td> <td>n</td> </tr> </table> <p>Divide your paper in your journal into two columns: Short Vowels and Long Vowels. Write each word you make in the correct column. How many words can you make?</p>	d	e	n	<p>Visit <a href="http://www.storylineonline.net">http://www.storylineonline.net</a> to listen to movie stars read a book to you.</p>	<p>Read a book about summer places, or any other nonfiction book from the recommended reading list.</p> 
d	e	n								
<b>Week 8</b>	<p>Read your nonfiction book with a member of your family or a friend. Take turns reading aloud. Praise your partner if they are reading at a good rate.</p>	<p>Reread your nonfiction book. Write a letter to your new teacher about the new information you learned in the book. Also, include a chart or diagram to help your teacher understand the information. Start your letter with "Dear Second Grade Teacher".</p>	<p>Write about your summer vacation so far. Where did you go? What did you do? Are you enjoying yourself? Then, write down at least two more things you would like to do this summer. Read this journal entry to a parent.</p>	<p>Play the secret word with a family member. Use these words: pool, cookout, camp, and family. Start with the first word and give clues about the meaning of words and see if your partner can guess the word. Example: I have lots of sand. People like to swim. People make castles. What am I? Answer: The beach!</p>	<p>Word Hunt: Walk through your house and outside. Write down at least three items in your house that are compound words and three items outside. Be sure to write both words separately and then put the words together. For example: dog + house= doghouse</p>	<p>Visit <a href="http://www.magickeys.com/books/">http://www.magickeys.com/books/</a> for online books that you can read to your parents.</p>	<p>Check out books that may help you with your Social Studies project.</p> 			

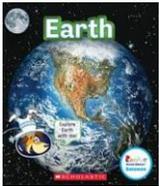
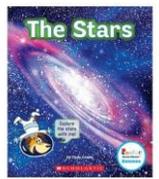
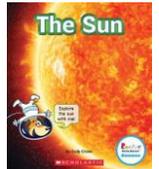
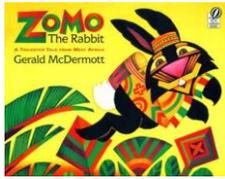
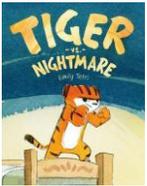
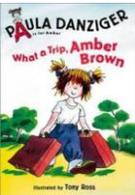
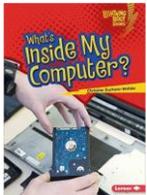
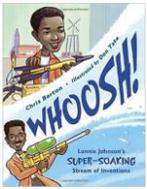
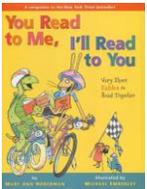
	Monday	Tuesday	Wednesday	Thursday	Friday
<b><u>Week 9</u></b> <b><u>Social Studies Project</u></b>	Read a nonfiction book about a community leader with a member of your family or a friend. Take turns reading aloud. Praise your partner if they are reading at a good rate.	Reread your nonfiction book. Write a letter to leader in your school about the new information you learned about leadership. Be sure to include the name of the leader you read about and why they are important to the community. Start your letter with "Dear School Leader".	Start a leadership journal. Use the following prompt starters to craft your journal entries for today.  Good leaders practice mindfulness. Let's get started! <ul style="list-style-type: none"> <li>○ Take 3 Deep Breaths</li> <li>○ Have a Smiling Heart</li> <li>○ Shine Bright</li> </ul> Journal Prompt:  One amazing thing that happened today was that....  Today I tried to lead my friend or family to....  When I disagree with other ideas I usually.....  I share my point of view by.....	Good leaders are great listeners. Interview a family member or friend. Today let's focus on the word compromise. Create 3 questions to ask the person you are interviewing about how they solve problems. Listen and write down key words like, agree, deal, promise, listen and talk.	Visit the library and check out books about young leaders.  
<b><u>Week 10</u></b> <b><u>Social Studies Project</u></b>	Think about an amazing leader in your home or school. What makes them an amazing leader? Use this <a href="#">graphic organizer</a> to write down your thoughts	Eleanor Roosevelt was an Amazing Leader. She wanted for all humans to have a fair chance and to have equal rights. Take a closer look and read about the way she shared her point of view with the world. Read <a href="#">Eleanor Roosevelt Helper for the World</a> Answer the questions as you read along.	How has Eleanor Roosevelt inspired you? Would you like to be a leader?  Write in your journal your thoughts. Use the sentence starter to get your brain juices going!  I can lead in my school by.....	Create a word collage on a poster for leadership. Use adjectives to describe what leadership means to you. Adjectives are describing words. For example, "She is a Kind Leader" Kind describes the leader. Use different colors for your words. The word you think is most the important describing word for leader, should be the largest on your poster	Ask your family for help. Start a leadership circle in your house or you're your friends. Take a picture of your poster and share it with your family and friends. Have a discussion and ask your family and friends what they think about leadership.

**Summer Reading List for Students Entering Second Grade**  
 Register and find fun activities at <https://www.pgcmis.info/kids-649>

Check out these great titles. Many of these books are part of a series. If one is not available, try another from the series!

 <p><b>A Bear For Miguel</b> Elaine Marie Alphin</p>	 <p><b>A Chair For My Mother</b> Vera B. Williams</p>	 <p><b>Aggie Gets Lost</b> Lori Ries</p>	 <p><b>A Hundred Billion Trillion Stars</b> Seth Fishman</p>	 <p><b>A is for Astronaut: Blasting Through the Alphabet</b> Clayton Anderson</p>	 <p><b>Anansi Goes Fishing</b> Eric Kimmel</p>	 <p><b>Animals in the City</b> Elizabeth Carney</p>
 <p><b>Boris Gets A Lizard</b> Andrew Joyner</p>	 <p><b>Bradford Street Buddies: Backyard Camp-Out</b> Jerdine Nolen</p>	 <p><b>Bugs! Bugs! Bugs!</b> Jennifer Dussling</p>	 <p><b>Commander Toad in Space</b> Jane Yolen</p>	 <p><b>Cork &amp; Fuzz: Spring Cleaning</b> Dori Chaconas</p>	 <p><b>Does a Tiger Go to the Dentist?</b> Harriet Ziefert</p>	 <p><b>Each Kindness</b> Jacqueline Woodson</p>
 <p><b>Extraordinary Warren Saves The Day</b> Sarah Dillard</p>	 <p><b>Fancy Nancy</b> Jane O'Connor</p>	 <p><b>Fly Guy Presents: Space</b> Tedd Arnold</p>	 <p><b>Frog And Toad Are Friends</b> Arnold Lobel</p>	 <p><b>From Shoot To Apple</b> Stacy Taus-Bolstad</p>	 <p><b>Grow! Raise! Catch!: How We Get Our Food</b> Shelley Rotner</p>	 <p><b>Gus and Grandpa</b> Claudia Mills</p>

 <p><b>Haggis And Tank Unleashed Howl at the Moon</b> Jessica Young</p>	 <p><b>Houndsley and Catina and Cousin Wagster</b> James Howe</p>	 <p><b>Houndsley and Catina Plink and Plunk</b> James Howe</p>	 <p><b>How Do Helicopters Work?</b> Jennifer Boothroyd</p>	 <p><b>If Sharks Disappeared</b> Lily Williams</p>	 <p><b>If You Were Me And Lived In...Kenya</b> Carole P. Roman</p>	 <p><b>Imani's Moon</b> JaNay Brown-Wood</p>
 <p><b>It's a Good Thing There Are Snakes</b> Lisa M. Herrington</p>	 <p><b>It's a Good Thing There Are Spiders</b> Lisa M. Herrington</p>	 <p><b>Jabari Jumps</b> Gaia Cornwall</p>	 <p><b>Kenya in Colors</b> Sarah Louise Kras</p>	 <p><b>King &amp; Kayla and the Case of the Lost Tooth</b> Dori Hillestad Butler</p>	 <p><b>Last Stop On Market Street</b> Matt De La Peña</p>	 <p><b>Let The Children March</b> Monica Clark-Robinson</p>
 <p><b>Little Roja Riding Hood</b> Susan Middleton Elya</p>	 <p><b>Lucia the Luchadora</b> Cynthia Leonor Garza</p>	 <p><b>Lucia the Luchadora and the Million Masks</b> Cynthia Lenor Garza</p>	 <p><b>Mad Scientist Academy: The Space Disaster</b> Matthew McElligott</p>	 <p><b>Manatees</b> Laura F. Marsh</p>	 <p><b>Mango, Abuela, and Me</b> Meg Medina</p>	 <p><b>Memphis, Martin, And The Mountaintop</b> Alice Faye Duncan</p>
 <p><b>¡Olinguito, de la A a la Z!</b> Descubriendo El Bosque Nublado / Olinguito, from A to Z!: Unveiling The Cloud Forest Lulu Delacre</p>	 <p><b>Polar Bears</b> Laura Marsh</p>	 <p><b>Press Start! Super Rabbit Boy Blasts Off!</b> Thomas Flintham</p>	 <p><b>Rabbit &amp; Robot</b> Cece Bell</p>	 <p><b>Rescue &amp; Jessica: A Life-Changing Friendship</b> Jessica Kensky</p>	 <p><b>Scaredy Squirrel</b> Melanie Watt</p>	 <p><b>Separate Is Never Equal : Sylvia Mendez and Her Family's Fight For Desegregation</b> Duncan Tonatuih</p>

 <p><b>The Coming of Night: A Yoruba Tale From West Africa</b> James Riordan</p>	 <p><b>Earth</b> Cody Crane</p>	 <p><b>The Moon</b> Cody Crane</p>	 <p><b>The Stars</b> Cody Crane</p>	 <p><b>The Sun</b> Cody Crane</p>	 <p><b>Zomo The Rabbit: A Trickster Tale From West Africa</b> Gerald McDermott</p>	 <p><b>Tiger vs. Nightmare</b> Emily Tetri</p>
 <p><b>What a Trip, Amber Brown</b> Paula Danziger</p>	 <p><b>What's Inside My Computer?</b> Christine Zuchora-Walske</p>	 <p><b>When Angels Sing: The Story of Rock Legend Carlos Santana</b> Michael Mahin</p>	 <p><b>Whoosh! Lonnie Johnson's Super-Soaking Stream of Inventions</b> Chris Barton</p>	 <p><b>You Read to Me, I'll Read to You: Very Short Fables to Read Together</b> Mary Ann Hoberman</p>		

# Summer Reading Log

Chart your summer reading fun time is here! List the books you have read on this page. Depending on how fast you read and how much you read each day, you may have completed more books than suggested on the calendar. Glue or tape this document to the first page of your journal.

Name \_\_\_\_\_

School \_\_\_\_\_

Book Title	Author	Genre	Number of Pages	Recommendation to Other Readers

# Mathematics Summer Enrichment Calendar

These examples focus on both mathematical skills and problem solving. While you may use calculators and other tools as needed, be prepared to explain the reasoning behind your answers. Some problems require answers from previous activities but, overall, you may do the problems in any order or any day that you choose.

Week 1				
Using a deck of cards, flip over two cards, and find the sum. Do this at least 10 times. Repeat again, but this time, find the difference between the two cards. <i>Aces are equal to one. Remove all face cards.</i>	Take a walk outside with a family member. Make a list of all of the triangles and squares you see in your neighborhood.	First, predict how many times you can jump in a minute. Compare your prediction to the actual number of jumps.	Draw a picture of $45+19$ using tens and ones. How did you add these two numbers?	Find a group of objects to sort (toys, food, clothing, etc.) Find at least two ways to sort. Share with a family member.
Week 2				
Read a math book from the list.	List as many ways possible to find the sum of 20.  List as many ways possible to find the sum of 15.	Write all of the number sentences that have a sum of 13. Do you have them all? How do you know?	Go on a shape hunt. Look for items that are 3 dimensional (sphere, cubes, cylinders, etc.).  Make a chart listing the items found with the shape. What two dimensional shapes do you see on the three-dimensional shapes?	
Week 3				
Keep track of the weather for two weeks. How many days were sunny days? Cloudy days? Raining days? How many more sunny days than rainy days?	Draw a picture using two circles, three triangles, some squares, and one rhombus. Explain to your parent/guardian how you made your picture.		Starting from January 1, 2019, what is the 120 <sup>th</sup> day of the year? If I counted 120 days after that day, what day of the year would it be?	Count 37 objects (raisins, peanuts, candy, and cereal). From the 37 objects, make a pile of 26 using your objects. How many objects are left in your pile?
Week 4				
Take a walk outside with another family member. Record how many birds, dogs, and cats you see. Write a number sentence to show the total number of dogs, cats, and birds you saw.	How many letters are in your first and last name? Choose another family member and count how many letters are in their first and last name? Who has more letters?	What date is 5 days before July 13? What day of the week is that date? How many months in 2019 have that date on the same day of the week?	Draw the hands on a clock to show 2:30.	Practice counting forward and backwards starting with numbers other than one. Write the numbers you have counted forward and backwards. You must go forward and backwards to at least 8 numbers. Repeat 4 times.

<b>Week 5</b>				
Tell a friend a story problem to go with $14 + 6$ . Draw an illustration for your story problem.	Draw the hands on a clock to show 6:30.	Write all the math facts that you can think of that have 12 as an answer.	Find objects at home to count such as beans, buttons, pasta, popcorn, etc. Count 100. Draw a picture to show how many groups of 10 you can make. How many groups of 5 can you make? Share with your parent/guardian.	Ask your parent/guardian for 2 dimes, 3 nickels, 9 pennies, and a quarter. Draw a picture of your coins. Ask your parent/guardian to place on a table 1 quarter, 3 dimes, and 3 nickels. Who has the most money? How do you know?
<b>Week 6</b>				
The farmer put 17 tomatoes in a bowl. His wife took 6 tomatoes from the bowl. How many tomatoes are still in the bowl?	Write a 2-digit number. Write a second number. Is your second number less than or greater than your first number? Write a third number. Is your third number less than or greater than your first number?	Count by fives to 100. Start with the number 0.  Count by tens starting with 11. What is the 10 <sup>th</sup> number in your sequence?	Write an addition story problem using animals.	Write a subtraction story problem using family members.
<b>Week 7</b>				
A family member wrote:  $12 + \square = 18$  What should go in the box? Prove your answer.	Draw a number line beginning with 0.  Place only the following numbers on your number line: 45, 25, 35, and 15. How did you decide where to place the numbers?	How many Mondays are in January through April of 2019?	Draw 2 clock faces. Draw the hour hand and minute hand on the faces of the clocks to show the following times:  6:00  1:30	List your 4 favorite ice cream flavors. Survey 12 family members or friends and make a tally chart to show which of the ice cream flavors they like best.
<b>Week 8</b>				
Read a math book from the list.	How many Mondays are in July and August? (Make sure to look at a calendar for this year.)	At bath time, estimate how many minutes it takes to fill the bathtub. Then, have an adult time it with a watch or clock. How close was your estimate to the actual time?	Write the doubles facts (ex. $2 + 2$ , $5 + 5$ ) to 20. What patterns do you see?	Grab a handful of coins. Sort the coins by value and name each coin (penny, nickel, dime, quarter). Make a chart.

# Mathematics Recommended Book List

A Universe of Stories  
Summer @ Your Library

Register and find fun activities at [www.pgcmls.info/summeratyourlibrary](http://www.pgcmls.info/summeratyourlibrary).

The following titles are available at your local library. Visit the **Prince George's County Memorial Library System** at <https://www.pgcmls.info/>.

Title	Author
1. 12 Ways to Get to 11 (Addition)	Eve Merriam
2. A Fair Bear Share (Subtraction)	Stuart J. Murphy
3. Animals on Board (Addition)	Stuart J. Murphy
4. Domino Addition	Lynette Long
5. Mission: Addition	Loreen Leedy
6. Pizza Counting (Addition)	Christina Dobson
7. Two of Everything (Doubling)	Lily Toy Hong
8. Actual Size (Measurement)	Steve Jenkins
9. Betcha! (Estimation)	Stuart J. Murphy
10. Count on Pablo	Barbara deRubertis
11. Fish Eyes: A Book You Can Count On	Lois Ehlert
12. From One to One Hundred	Teri Sloat
13. Two Ways to Count to Ten: A Liberian Folktale	Ruby Dee
14. What Comes in 2's, 3's, and 4's?	Suzanne Aker
15. Ten Black Dots	Donald Crews
16. The Man Who Counted: A Collection of Mathematical Adventures	Malba Tahan
17. Fraction Action	Loreen Leedy
18. Eight Hands Round (Shapes)	Ann Whitford Paul
19. Fraction Fun	David A. Adler
20. Peg + Cat. Math in the Bath	Jennifer Oxley

# Mathematics Fluency Games

## Game of Squares

7	13	9	8	5	11	<b>Materials:</b> <ul style="list-style-type: none"> <li>Counters (coins, dry beans, other small objects)</li> <li>Paperclip</li> <li>Pencil</li> </ul> <b>Directions:</b> <ol style="list-style-type: none"> <li>Place a paperclip in the center of the squares spinner (see next page).</li> <li>Place the pencil point in the center of the paperclip. Use your finger to spin the paperclip around the pencil point.</li> <li>The player who spins the highest number goes first.</li> <li>Players take turns spinning the spinner and adding the numbers.</li> <li>The player finds a space on the board with that sum and places their counter on that square.</li> <li>The first player to make a square wins (see example below).</li> </ol>		
17	3	17	15	13	8			
13	9	11	8	7	15			
7	15	5	13	17	9			
8	9	17	7	3	17		11	8
13	11	15	17	15	11		5	13

# Squares Spinner

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