



Summer Enrichment Packet For Students Entering Grade 4

Student Name _____

MyOn login information: website [clever.com](https://www.clever.com), select “log in as a student,” then select “log in with Clever”

username _____ password _____



Dear Student,

You have learned so much this year! We want you to keep up the good work. To support you, we’ve put together the attached calendar of activities to help prepare you for the school year ahead.


You should use a notebook of some kind to show your work (spiral, composition, binder with paper, or staple some sheets of paper together to create your own notebook). You may do the activities in any order or on any day that you choose.

A list of suggested books to read are included on the last page.

Happy learning!

Skills and Ideas to Review/Preview for Students Entering Grade 4

<p style="text-align: center;">Mathematics</p> <p>In Grade 3, the focus was on four critical areas:</p> <p>(1) developing understanding of multiplication and division and strategies for multiplication and division within 100;</p> <p>(2) developing understanding of fractions, especially unit fractions (fractions with numerator 1);</p> <p>(3) developing understanding of the structure of rectangular arrays and of area; and</p> <p>(4) describing and analyzing two-dimensional shapes.</p> <p>*Throughout the summer, practice basic addition, subtraction, and multiplication facts. Practice using strategies to build number sense (doubles, doubles + 1, making 10, etc.).</p>	<p style="text-align: center;">English/Language Arts</p> <p>Third graders read thoughtfully, discover details, extract meaning from what they read, and read more complex texts. They enjoy a variety of genres, including fiction and non-fiction texts and poetry. Third graders are becoming adept at summarizing main points from literary and informational texts and using more abstract skills of synthesizing and evaluation in writing.</p> <p>Third graders can:</p> <ul style="list-style-type: none"> - Read a grade level text independently, answer text dependent questions and reference the text to provide responses. . - Read a story and identify the point of view of the story. - Write to retell the events of a story and determine the message from key details in the text. - Use pictures and illustrations to assist with understanding the mood of a text. - Read texts by the same author and identify the similarities and differences in setting and plot. - Use phonics skills, word parts, and context clues to understand unknown words. 		
<p style="text-align: center;">Social Studies</p> <p>Describe early American Indian cultures and their development in North America Describe European exploration in North America. Explain the factors that shaped British Colonial America.</p> <p>Locate major topographical features on a physical map of the United States. Locate and describe the equator, prime meridian, and lines of latitude and longitude on a globe.</p> <p>Describe the elements of representative republic in the United States. (branches of government) Explain the importance of Americans sharing certain central democratic beliefs and principles, both personal and civic.</p> <p>Define and give examples of the four types of productive resources. (natural, human, capital, entrepreneur) Explain that governments provide goods and services (schools, libraries, roads, police/fire protection, and military) and pay for these through taxes. Give examples of interdependence and trade and explain the benefits of voluntary exchange. Explain the concept of opportunity cost as it relates to making a saving or spending choice.</p>	<p style="text-align: center;">Science</p> <p>Core Ideas for 4th Grade:</p> <table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top; padding-right: 20px;"> <ul style="list-style-type: none"> ● Cloud formation ● Weather Instruments ● Moon phases ● Tech. advances for space ● Stars & Planets ● Moon Phases ● Earth's orbit and tilt ● Light refraction ● States of water ● Water cycle ● Weather instruments ● Weather maps ● Cloud types ● Weather and climate ● Simple machines </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ● Ecosystems ● Food chains/ webs ● Scarcity, extinction, overabundance ● Opaque, transparent, translucent ● Reflection ● Refraction ● Strength and speed of sound vibration ● Communication device ● Balanced and unbalanced forces ● Gravitational force </td> </tr> </table>	<ul style="list-style-type: none"> ● Cloud formation ● Weather Instruments ● Moon phases ● Tech. advances for space ● Stars & Planets ● Moon Phases ● Earth's orbit and tilt ● Light refraction ● States of water ● Water cycle ● Weather instruments ● Weather maps ● Cloud types ● Weather and climate ● Simple machines 	<ul style="list-style-type: none"> ● Ecosystems ● Food chains/ webs ● Scarcity, extinction, overabundance ● Opaque, transparent, translucent ● Reflection ● Refraction ● Strength and speed of sound vibration ● Communication device ● Balanced and unbalanced forces ● Gravitational force
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Week 1: Art	Mathematics	English/Language Arts	Social Studies	Science
Create a sketchbook. Write the elements of art on the first page: line color shape texture space value form	What time was it when you woke up this morning? What time was it 2 hours and 20 minutes before the time you woke up? What time will it be 47 minutes after you woke up?	What are some words you did not know in your text? Use a dictionary or context clues to explain the meanings. Provide a synonym for the word.	Read a book from the list. Create a map of your room, home or neighborhood. Provide a map key and compass rose. Practice writing directions to various locations. Give the directions to a family member to see if they can find their destination.	Scientists use diagrams to communicate information. Create your own diagram. Draw a picture. Label the parts of the picture and give it a title.
Week 2: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: LINE- a path a moving point makes on a surface. Use a variety of lines to draw a government building. www.arthubforkids.com -how to draw the White House	If you double your age. How old would you be? How old would you be if you triple your age?	Ask an adult to help you find (and read) an interesting news article. What new questions do you have after reading this text? How can you find the answer to those questions?	Read a book from the list. Practice finding locations by playing the game below. Games: https://tinyurl.com/y5ztwgzr https://tinyurl.com/y32ymlo8	Choose a book from the book list to read aloud. List three questions that you wonder or want to know more about after reading the book.
Week 3: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: COLOR-make a color wheel using crayons or your choice of medium. Include primary, secondary and tertiary colors. 	You are asked to help stack books at the library. There are 8 shelves on a bookcase that you must stack. Each shelf holds 9 books. What is the total number of books that can be stacked on the 8 shelves?	Create a comic strip showing 5 major events from the book in sequence. Include captions and/or dialogue bubbles to retell the story along with pictures.	Select a river you studied in 3rd grade. Research the location of the river; find out about the jobs people have on the river and how the location impacts the economy. How has the river changed over time?	Try out an interactive site. https://tinyurl.com/techit19 Help someone bake or cook something. Pay attention to the measurements. Use your 5 senses to make observations of how things change.
Week 4: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: SHAPE-a shape is a closed line. Use shapes to create your dream house.	You have \$10. You bought an ice cream cone for you and your brother and received \$5.14 in change. How much did an ice cream cone cost? Draw an illustration to represent how you determined your answer.	Choose a character you were able to connect with OR choose a character you were NOT able to connect with. Use a Venn Diagram to compare how your character reacted to a challenge and how you would have reacted to the same challenge.	Read a book from the list. Interview an older family member or friend to find out what life was like when they were a child. Write a summary to compare and contrast your lives.	Choose an experiment to try. https://tinyurl.com/scifun19 Find two different types of paper. Make a plane using each sheet of paper. Which goes farther? Why? Improve your designs by adding tape and or paper clips. Repeat your investigation.

Week 5: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: TEXTURE:the surface quality of an object (how something looks or feels). Create as many of different visual textures as you can. Draw what you see outside your window using a variety of lines to create texture.	Select a day and create a schedule of activities for that day. Begin by recording the time you wake up to the time you go to bed. Compute the elapsed time between each activity. Share your schedule with your parent/guardian.	How would the story you are reading this week be different if it were told from another' character's point of view.	Watch the videos: https://tinyurl.com/y2l8uyjx https://tinyurl.com/y65eaxht Create a visual to show the branches of government. Describe the role of each branch.	Science About Me Complete the statements below: <ul style="list-style-type: none"> • Inherited Eye Color: • Favorite Animal: • Favorite Learned Behavior: • Favorite source of energy(food):
Week 6: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: VALUE: how light or dark a color is. Use crayons or colored pencils to color different values of colors.	Draw a picture of a pizza that you would love to eat. Cut the pizza so that each member in your family gets an equal share. In your math journal, write the fractional amount of pizza each family member will receive.	Challenge a friend to read the book with you. Create a crossword puzzle about the book you are reading. Use sticky notes to help you gather your ideas about the characters, setting, conflict, resolution or challenging vocabulary.	Read a book from the list. Choose a famous American from the list below. Research their role on the US gaining independence from Great Britain. Thomas Jefferson Benjamin Franklin James Madison	Litterbug Activity With an adult walk around your community and collect litter. Use the litter to create a piece of art shaped like a bug. You can use a few items that you purchase. Create a poster to communicate the importance of not being a litterbug
Week 7: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: SPACE: refers to the area within and around objects. Draw the world from a giant's point of view. Include objects in the background.	Mary's rectangle has the area of 36 sq. units. Jeanine has a rectangle with the perimeter of 30 units. The two rectangles have different lengths and widths. Could they both have the same area? Show your work to prove your answer.	Explain a character's problem and then offer that character your advice on how to solve his/her problem.	Read a book from the list. Interview an adult in your life to find out more about making economic choices. Use the suggested questions or add in some of your own. Write a summary of what you learned from your interview.	Watch the movie Cloudy with a Chance of Meatballs. What evidence supports that this movie is realistic fiction? Create a testable question based on something that made you curious during the movie.
Week 8: Art	Mathematics	English/Language Arts	Social Studies	Science
Sketchbook entry: FORM-3-dimensional shapes. Draw 2-d shapes and turn them into forms by adding lines and shading.	Joe listed the first 10 multiples for the number 3. Luis listed the first 10 multiples for the number 4. What same numbers did both boys write? How could you describe the numbers that are the same on both boys' list?	Do you think this book would make a good movie? What events/characters would you add or remove? Explain.	Read a book from the list. You have 25.00 to spend. Use an ad for back to school supplies and select the items you would like to have. Were you able to get everything you wanted? What didn't you get that you would like to have? How did you decide what is most important? Add up your items to find your total cost. How much money did you have left over?	Brainstorm Science Fair ideas. <ul style="list-style-type: none"> •What do you enjoy doing in your free time? •What area of science are you the most interested in? •Do you have any special skills or talents? Choose a topic that interests you. Form a testable question. *Choose 3 topics and form a question for each of them.

Suggested Summer Reading

Art	Mathematics	ELA	Social Studies	Science
<p>(MyOn) <u>Emily's Pictures</u></p> <p><u>Drawing and Learning about:</u> <u>Cats</u> <u>Dogs</u> <u>Faces</u> <u>Monsters</u></p> <p>YouTube (read alouds)</p> <p><u>Radiant Child: The Story of Young Artist Jean Michel-Basquiat</u></p> <p><u>Iggy Peck Architect</u> by Andrea Beaty</p> <p><u>Emily's BLUE Period</u> by Cathleen Daly</p> <p>Additional resources: video In the Art Room-Sketchbooks with Kids (Cassie Stephens)</p> <p>Online art Galleries: https://www.nga.gov/education/kids.html</p> <p>https://www.moma.org/interactives/destination/#</p> <p>https://www.metmuseum.org/art/online-features/metkids/ti-me-machine</p>	<p><u>Recommended Chapter Books</u></p> <p>All of the Above by Shelley Pearsall</p> <p>William Wenton and the Impossible Puzzle by Bobbie Peers</p> <p>The Toothpaste Millionaire by Jean Merrill</p> <p>Bringing Down the Mouse by Ben Mezrich</p> <p>Ada Lace and the Impossible Mission by Tamson Weston, Emily Calandrelli</p> <p>Charlie Numbers and the Man in the Moon by Tonya Mezrich, Ben Mezrich</p> <p>Ellie, Engineer by Jackson Pearce</p> <p>Ellie, Engineer: The Next Level by Jackson Pearce</p> <p>Hidden Figures Young Readers' Edition by Margot Lee Shetterly</p> <p>I Was an Outer-Space Chicken by David LaRochelle</p> <p>Freddie Ramos Adds It All Up by Jacqueline Jules</p> <p>The Multiplying Mysteries of Mount Ten by Krista Van Dolzer</p> <p>Ada Lace and the Suspicious Artist by Emily Calandrelli</p>	<p>Students in fourth grade read on a variety of topics, with a focus on increasing their ability to read aloud with fluency and comprehension. They are becoming more adept at summarizing main points from literary and informational texts, and they use more abstract skills of synthesis and evaluation in writing.</p> <p>The minimum lexile needed in 4th grade in order to meet the state's Literacy Reading Indicator is 840L. The following books fall into the state's 4th grade College & Career Ready "Stretch" Lexile band of 740 -940L:</p> <p>The Hardy Boys - 740L by Franklin Dixon</p> <p>The Candy Shop War - 750L by Brandon Mull</p> <p>Treasure Hunter, 750L by James Paterson</p> <p>Adventurers Wanted- 820L by M. L. Forman</p> <p>Half Magic, 830L by Edward Eager</p> <p>The Tarantula in My Purse - 830L by Jean Craighead George</p> <p>Measle and the Wrathmonk - 900L by Ian Ogilvy</p> <p>Accidents May Happen - 930L by Charlotte Jones</p> <p>Lincoln's Grave Robbers - 930 by Steve Sheinkin</p> <p>Additional texts include:</p> <ul style="list-style-type: none"> - Time for kids, various titles and authors - History Makers Bios, various titles and authors - National Geographic, various titles and authors 	<p style="text-align: center;">MyOn Books</p> <p>Week 1-3: <u>What is a Map</u> <u>Maps</u> <u>Types of Maps</u> <u>Maps: What You Need to Know</u> <u>Symbols and Keys</u> <u>Living Beside a River</u></p> <p>Week 4: <u>Entertainment Through the Years</u> <u>Comparing the Past and Present</u> <u>Getting Around Through the Years</u> <u>Home Life Through the Years</u></p> <p>Week 5: <u>U.S. Government: What You Need to Know</u></p> <p>Week 6: <u>Thomas Jefferson: Great American</u> <u>Benjamin Franklin: An American Genius</u></p> <p>Week 7 and 8: <u>Make Money Choices</u> <u>Wants or Needs</u> <u>Save Money</u> <u>Earn Money</u> <u>Lemons and Lemonade</u> <u>Milton Hershey</u> <u>Sam Walton</u></p>	<p>Papa's Mechanical Fish by Candace Fleming</p> <p>Roller Coaster by Marla Frazee</p> <p>Counting on Katherine by Helaine Becker</p> <p>Papa, Please Get the Moon For Me by Eric Carle & Little Simon</p> <p>The Man Who Named the Clouds by Julie Hanna and Joan Holub</p> <p>Come On, Rain! by Karen Hesse</p> <p>A Drop of Water: A Book of Science and Wonder by Walter Wick</p> <p>The Remarkable Farkle McBride by John Lithgow</p> <p>Did a Dinosaur Drink This Water? by Robert E. Wells</p> <p>Thunder Cake by Patricia Polacco</p> <p>Trade Book List: https://tinyurl.com/scipicbooks</p>

History Interview

Interview an older friend or family member to find out what life was like when they were growing up. Listen for things you have in common and things that are different and summarize when you are finished. You may use the questions attached or add your own! You may want to have them write down their answers for you or record your conversation.

Name:

Birthdate:

Where did you grow up?

Can you tell me a little bit about your family? (parents, jobs, siblings, grandparents)

What was your home like?

Do you have any pictures of yourself or your family when you were younger?

Where did you attend elementary school?

How did you get to school and back home?

Can you describe a day at school?

What type of technology did you have in your classroom?

How much homework did you have to do?

What happened if you didn't complete your homework?

What did you and your friends do during recess?

What did you like to do for fun at home?

Where did your family go out to eat?

How did you stay in touch with your family and friends?

Where did you get your clothes?

Did any significant world events happen when you were growing up?

After Interview:

I interviewed _____. I learned about how we are similar and how we are different.

We are the same because...

We are different because...

Economics/ Civics Interview

Interview a friend or family member to understand how adults make economic and civic choices.

Name:

What do you do for a living?

What special training did you receive for your job?

What are some important things you do daily?

What are some services that you use? (ex. Car maintenance, yard services, housekeeping etc.)

How do you make important decisions about what to buy and where to buy it?

Why is it important to save money?

What does it mean to be a good citizen?

How do you participate in the government? (paying taxes, voting etc.)

What is the best advice you have for me as I'm growing up and making economics and civic choices?