

7th Grade

SD161 Summer Learning



Weeks for Summer 2023

Week 1: June 5-9

Week 2: June 12-16

Week 3: June 19-23

Week 4: June 26-30

Week 5: July 3-7

Week 6: July 10-14





Week #1: Healthy You



Language Arts

Read the article, "[Life as a Hunter-Gatherer](#)." Watch the video "[From Foraging to Food Shopping](#)."

What does **foraging** and **edible** mean? How are these words connected to your own life? Use [Word Detective](#) According to the text, what did humans **hunt**? What did humans **gather**? Why?

Complete the [Hunter Gatherer Menu Activity](#). Imagine you had to forage to find food for you and your family. How many calories does your family need each day to survive? How much food would you need? [Calculate Food Waste](#)

Challenge: Write your own SMART Food Waste Goal after viewing this [resource](#)

What does the word **archaeologist** mean? What root word do you see? What does that root word mean?

Weekly Family Challenge!

Ask an adult to cook or bake a healthy recipe together! Use a recipe you have or [check this website](#) for ideas. Post a picture of your creation to the [district Padlet](#)!

Challenge!

Sign up for a library card and visit your local library to check out some books. Enroll in your library's summer reading challenge for fun and prizes! Post a picture of you in front of your local library to the [district Padlet](#)!

Math

Watch [Introducing Integers](#), Comparing Integers, "[Ordering Negative Numbers](#)" Khan Academy Try: Homework Help: [Integers 3-7](#) [Homework Help: Integers 3-82](#)

[Click here](#) then click on 3-78 Tug-o-War Student e-tool (CPM) [Tug-o-War Game](#) Printable

Explore [Water Watchers: Using Math to build dams](#)

Try [Absolute Value: Food Miles](#) [PDF Food Miles](#)

Challenge: Watch: [Writing Algebraic Equations](#). Then, check out this [Illuminations Algebra Tiles Game](#)!



Week #2: The Natural World



Language Arts

Read [Can wildfires cool the planet?](#)
Review: [Forest Fires](#), [The Science of Wildfires/How Forest Fires Spread](#)

Per the video, What is needed to start a fire? Which part of the fire triangle is the easiest to control?

Solve the [Natural Forces Crossword](#)

Choose an important paragraph.
Time yourself reading for one minute.
Try it again two more times. Did you read it quicker or slower? Did you make fewer or more errors?

Challenge: Write a **haiku** on a natural force. [Haiku Directions for Writing the 5 syllable, 7 syllable, 5 syllable, 3-line poem](#)

Weekly Family Challenge!

Go on a family nature walk around your neighborhood or on your favorite trail. Write or draw about the plants, insects, and animals you saw. Take a picture on your walk or of your creation and post it to the [district Padlet!](#)

Challenge!

[Build your own land](#)
Design and build a place you've dreamed of visiting (like a distant planet), a fictional place you imagined or a land from a story you want to bring to life. Draw it or build a model of your world.

Math

Watch [What is a number line?](#)
Complete [Multiplying Integers](#), Solve [Homework Help: 3-60](#) and [Homework Help: 3-11](#)

Watch [Math to understand Nature](#)
Watch [Boston Harbor: Water Project](#):
Complete [PDF: Water Cleaning](#)

Watch [Pythagorean Theorem](#) and [Hiking Mt. Majestic](#), [PDF for Triangle](#)

Watch [Stairway Slope](#) and [Slope and House Construction](#), [Activity Sheet](#)

Challenge: Watch [Wall of Fire](#):
Tetrahedron, [Wall of Fire: Cube](#),
[Wall of Fire: Cylinder](#), Complete [PDF Tetrahedron](#)



Week #3: Communication



Language Arts

Read [Teenage girls have led language innovation for centuries](#)

Review Carl Sandburg's Poem "Languages", [Living Tongues: Saving Dying Languages](#). Compare and Contrast the [Poem to the Article](#). Watch [The Elements of a Poem](#)

What are Hieroglyphics? What is the meaning of the words lingo and innovation? How are these terms connected to your life? [Word Detective](#)

What does the poet compare language to in Sandburg's poem?

Challenge: Choose a word or phrase that you feel is overused. Write a letter to ask that the word or phrase be retired forever.

Weekly Family Challenge!

Interview a family member and ask them to share a favorite summer memory. Write a short description or take a picture with your family member and post it to the [district Padlet!](#)

Challenge!

Research some vintage slang or terms that are not used or as popular anymore...When were these terms or phrases popular? Where did these terms originate?

Math

Solve [Equations from Word Problems 6-97](#) and [Equations from Word Problems 6-98](#)

Explore [Real World Problems: Pier Brain Teaser](#)

Play the Illuminations 6-8: [Name Game](#)

Watch [Overruled Bridge: Problems](#) and use the [PDF Bridge Solution Plan Sheet](#) to solve the problem.

Challenge: Solve the [Apple Park 3-Act Math Task](#).



Week #4: The Arts



Language Arts

Read the Learning Opportunity Section of [Making Masks and Tribes](#) and [Mardi Gras Masks](#) Compare literary and historical images: [Image](#) (1), [Compare Images](#) (2)

What do ancestors and symbolize mean? How are these words connected to your life? [Word Detective](#)

Challenge: Choose a historical image above and create a story for this image

Choose an important paragraph. Time yourself reading for one minute. Try it again two more times. Did you read it quicker or slower? Did you make fewer or more errors?

Weekly Family Challenge!

Share an artistic creation or performance on the [district Padlet!](#) You can draw, paint, dance, sing, play an instrument, craft, etc. We want to see your creative talents!

Challenge!

Make a [virtual mask](#) that shows two sides of your personality

Watch the [Order of Operations](#) flocabulary video from PBS Write your own song/rap for a mathematical concept that you have mastered

Math

Watch [Piano Tuning is balancing equations](#) and [Scale City: Proportions and Music in the Real World](#)

Challenge: Watch [The Art of Math](#) and [Ancient Math and Music](#)

- Describe the relationship between mathematics and musical intervals such as octaves, fifths, and fourths.
- What are some examples of ratios that you use in your everyday life?

Use the Illuminations 6-8: [Create A Shape](#) to develop your own creation.

Solve [Homework Help: 7-112](#) Proportions and [Homework Help: 6-123](#) Balancing Equations



Week #5: Red, White and Blue



Language Arts

Read [Festivals grow in the US, from Disney to Time Square](#), Watch [Diwali on ABC News](#)

What does **Immigrant** and **festival** mean? How do these words connect to your own life? [Word Detective](#)

What are **diyas**? How are they connected to Diwali celebrations?

Time yourself reading for one minute. Try it again two more times. Did you read it quicker or slower? Did you make fewer or more errors?

Challenge: Write a letter to someone from India about what you have learned about Diwali. Tell how it is different/ similar to your favorite holiday/ activity.

Weekly Family Challenge!

We are a diverse nation! Create a family coat of arms that shows your cultural history. Here is a [blank template](#). Take a picture (please **do not** include your family name in the picture) and post it to the [district Padlet](#)!

Challenge!



The [Museum of Science and Industry in Chicago](#) created displays for [Holidays of Light](#)

Pretend you have a window in downtown Chicago, Design your own display

Explore: [Immigration Nation Game](#)

Math

Explore [The Cost of Fashion](#) in America, and watch [The Lowdown: Credit Cards](#), Solve [Calculating Interest](#) word problems

Challenge: Review the U.S. [Salary Median](#) and [World Olympic Champion: Beating Usain Bolt](#) Complete the [PDF Bolt Race](#) chart

Explore Illuminations Grades 6-8 ([Handshakes](#)). Watch [The Lowdown: Inflation](#)

Solve: [Homework Help:7-80 Inflation](#) and [7-57 Median](#)

Solve [Homework Help: 7-90 Interest](#)



Week #6: Kindness



Language Arts

Read [Random Acts of Kindness Bring Joy](#)

What is “**Caremongering**” and what did it do for the community? What is **Altruism**? Give an example of an altruistic action. [Word Detective](#)

List three kind actions mentioned in the text. Which one of these actions did you find to be the most kind action?

How much **gratuities** did the diner leave for the service he received? Was this the normal amount of gratuities for typical customers?

Unprecedented-What clues to the meaning of this word can be found within the word itself? What does it mean in your own words?

Weekly Family Challenge!

Write a letter or draw a picture for a family member, friend, teacher, or community helper saying what you appreciate about them! Here's a [friendly letter and envelope template](#).

Post a picture of you writing or mailing your letter to the [district Padlet!](#)

Challenge!

Choose One Kind Action to do before this week ends. How did it make you feel?

If you had unlimited resources, what kind action would you take? Write a kind **text message** to a friend. It is your choice if you choose to send it.

Math

Solve [Homework Help:7-81](#) and [Homework Help: 7-83 Equations](#)
Explore [Two-Step Equations Intro](#)

Watch [Real-World Expressions: Tip Jar](#)

Watch [The gift of Valentines](#)

Watch [Real World Ratio and Rate Problems: Fifty-Percent Solution](#)

Complete [PDF for Sale](#)

Challenge: Solve the [Birthday Gift 3-Act Math Task](#). Make sure to try the sequel!

Additional Resources

Please check these sites for updated community events and resources for the summer:

- ✗ [Flossmoor Public Library](#)
- ✗ [Homewood Public Library](#)
- ✗ [Chicago Heights Public Library](#)
- ✗ [Grand Prairie Public Library](#)
- ✗ [Homewood-Flossmoor Park District](#)
- ✗ [Chicago Heights Park District](#)
- ✗ [Village of Flossmoor](#)
- ✗ [Village of Homewood](#)
- ✗ [City of Chicago Heights](#)
- ✗ [Homewood Science Center](#)
- ✗ [Map of Little Free Libraries in the area](#)



Don't forget to follow these social media handles to learn more about events happening in your community!

Instagram Handles

@flossmoorlibrary

@homewoodpublic

@gpplillinois

@chicagoheightslibrary

@hfparkdistrict

@chicago_heights_park_district

@flossmoorvillage

@village_of_homewood

@homewoodsciencecenter

