



EXTENDED INSTRUCTIONAL ACTIVITIES

Supporting Students at Home

Grade 4

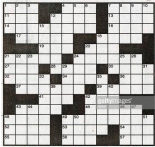
Overview

This guide provides grade-level, content-specific instructional activities to help keep students intellectually active while at home when schools are closed for inclement weather, during quarantine, or other unexpected events. The tasks that students complete at home will not be used as assessment or counted as part of the students' grade. Each instructional area has a "choice board" of task options. Each day, please help your child select a variety of tasks from each instructional area "choice board" daily including language arts, mathematics, science, social studies, related arts (Health/PE, Art, Music, Library Media, & Instructional Technology), and ESOL as appropriate.

Social Studies

Political Science	Geography	History	Economics
Identify which legislators represent you at the www.mdelect.net . Write a letter to them about a topic you feel strongly about.	Create a variety of kinds of maps (e.g., political, topographical, etc.) of your favorite places in the world	Discuss your community's history. Locate pictures from different sources. Encourage your child to ask questions about history.	Discuss why our local, state, and national government collect taxes. Provide examples of things taxes are used to pay for.
What are the most important characteristics of rules? Imagine you could create a new set of rules for the USA. What would your top 10 rules be?	Create maps, perhaps of the area around your house. Label the map with key map elements such as the cardinal directions, a scale, key, and title.	Learn about some perspectives of Native Americans by corroborating several sources. Consider using your HCPSS login information, go to MackinVIA through www.hcpss.me and read some stories on <i>Tumble Books</i> .	Take a trip to the grocery store. What goods are in highest demand? How do you know? Why do you think people wanted these items the most?
Conduct an interview with someone over the phone to find out several things that you have in common and that are different.	Write a letter to someone in a different state or country. Describe characteristics of the region you live in. Include climate, vegetation, natural/physical features, etc.	Pretend you are one of the first settlers in St. Mary's City. Complete this simulation to create your own 17th century home (https://hsmcdigshistory.org/colonial_kids/Colonial_House/buildhouse.html)	Learn how financial interest can help or hurt you by watching this BrainsPop video : https://www.brainpop.com/math/ratio/proportionandpercent/interest/
Create a list of ways you can be a responsible citizen and explain why these are important.	List why people move into or out of the region you live in. Think about what people in your region do to live, work and play.	Read a non-fiction book and historical fiction book on the same topic. Look for similarities.	Create a business plan for a small business (e.g. Lemonade stand, car wash, dog walking, etc.) Identify what human, natural and capital resources you would need.

Language Arts

Write a letter to the main character of the book you are reading. Give the character advice on how to solve the problem in the story. In your letter share if you have ever had a problem like this one or similar. How did you solve your problem?	Write a persuasive letter to your parent(s) explaining why you need more time for any activity that you want to do.	Read a nonfiction article or book. After reading, write 3-4 questions that you still have about the topic. Do some research on the topic to answer your questions.	Imagine your family is on vacation. Describe what you see, hear, smell, feel, and taste.	Read a book or article. Write a pretend "tweet" that captures the book's themes and ideas.	Write about what would happen if you brought one of the characters with you to school for a day.
Play a game like Scrabble, Boogie, Bananagrams, Apples to Apples, etc.	After reading a book, write about one of the characters and the steps he/she took to solve a problem in the book.	Create a comic strip about an experience you had with your friend. Make sure you include dialogue.	Read a biography or interview a family member. Create a Timeline with 15 important events about the person.	Create a storyboard for a fiction or narrative nonfiction text.	Observe nature closely and write about your observations.
Help in the kitchen by reading a recipe to help an adult who is cooking or create your own recipe to make a new dish.	Create a pamphlet about your community that can be shared with a new student. Make sure you include information about places to eat, parks, shopping, and other interesting information.	Read an informational article or book. Write 10 comprehension questions for the topic.. Have a family member read the article/book and answer your questions! Be sure to check their answers.	Write the names of all of your family members. Using the names, how many words can you generate that have more than 4 letters?	Write directions to make your favorite sandwich or snack. Using the directions you wrote, ask someone to follow the direction to make a sandwich or snack. See if you need to add details.	Use some photos to write at least one caption for each. Be descriptive or funny when writing the photo.
Write everyday items: <ul style="list-style-type: none"> • Grocery lists • Things to do today • Letter to ____ • List of places to visit 	Start reading a novel. Each day write a reflection (in a journal or <i>Post-It</i> note) about the events in the story.	Create a crossword puzzle about your favorite topic. 	Play Prefix Party Pick a prefix(or suffix) and to come up with an example word using that word part. Then come up with another example. Continue until someone runs out of examples. Take turns generating words.	Make a list of 10 nouns (person, place or thing i.e. dog) and 10 verbs (action word i.e. running). Write 10 sentences and use one verb and one noun in each sentence.	Start a personal journal, or continue In your journal, to add entries that describe the activities that you are doing each day. Include your feelings during the activities.

Mathematics

Draw or make arrays out of household items (beans, pennies, pasta) for different multiplication facts.	Create five three-digit numbers like 382 or 561. Put the numbers in order from least to greatest then put them on a number line.	Draw pictures of multiplication facts.	Make two three-digit numbers. Add them. Show how you added. Try it again with different numbers.	Use playing cards to create examples of 4-digit numbers. Write the numbers in expanded form. Tell how far each is from 10,000.	Find examples of 5 different fractions in your home.
Write all of the basic facts that divide by 3, 4, 5, and 6.	Draw examples of fractions. Label the fractions.	Write equations for all of the basic facts that multiply by 2, 4, 5, and 10.	Count coins and bills to find an amount. Then, write three different ways you can make the same amount.	Create two 4-digit numbers. Subtract them. Show how you found the difference.	Draw examples of $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, and $\frac{2}{4}$. Tell how you know your examples show each fraction.
Would you rather have $\frac{1}{2}$, $\frac{2}{4}$, or $\frac{3}{6}$ of an apple? Use pictures and words to explain why.	Sort coins. Find the total value of each pile of coins.	Look for 2D and 3D figures around your house. Chart your findings.	Find examples in your home of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, and other fractions.	Create two 4-digit numbers. Add them. Show how you found the sum.	Estimate to find the sum of $355 + 356$. Add. Show how you added. Create new problems that add a three-digit number and another a three-digit number.
Write a word problem for multiplication facts. Start with 4×6 , 3×7 , and 5×4 .	Write five different numbers that round to 200. Tell how you know you are correct. Do it again with a different hundred like 300, 500, or 800.	Write a word problem for division facts. Start with $24 \div 6$, $16 \div 4$, and $24 \div 6$.	Make two three-digit numbers. Subtract them. Show how you subtracted.	Write different word problems that have elapsed time. Then solve each word problem. Show your thinking.	Add $314 + 799$. Create new addition problems that have a sum between 1,200 and 1,600.

Science

Indoors	Investigation / Reflection	Online	Outdoors (with adult permission)
Create a Home Science Journal! Decorate the cover, create a vocabulary chart to write down new science words you learn, and number the pages.	Think about cause and effect relationships. "What do you think will happen if ___?" What caused ___ to happen?" Investigate by creating different collisions between toys with wheels.	Using your HCPSS login information, go to MackinVIA through www.hcpss.me and read some stories on Britannica School Edition for 3-5 that relate to energy transfer, sound waves, weathering, erosion, and plant and animal adaptations, or a science topic that interests you!	In a natural area nearby, safely make close observations of a variety of plants. Do they all look the same? Use words to describe the different parts: leaves, stem, flowers.
Read some non-fiction science books, especially those related to energy transfer, sound waves, weathering, erosion, and plant and animal adaptations. Write or draw some new information you learned in your home science journal.	What is a common problem, or inconvenience in your home? How might you solve that problem? Can you draw a plan for your solution? Be sure to include labels and a description. If you can gather materials at home, try to build a prototype!	SciKids Show on YouTube (online video) Explore videos that relate to energy transfer, renewable and nonrenewable resources, sound waves, weathering, erosion, and plant and animal adaptations. Write about your reaction to the video you watched.	Make observations of how humans use the environment around where you live. What positive things have we done to help the environment? How have we hurt the environment? Brainstorm ideas for how you might be able to reduce your impact on the land and water around you.
Do you have a pet at home? Use craft materials to build a model, or sketch an image/model, of the animal, being as detailed and accurate as possible.	Look out the window and carefully observe the weather each day. In your home science journal, record daily observations. Talk with a friend or family member about the patterns you are starting to notice.	Crash Course Kids (online video) Explore videos that relate to energy transfer, sound waves, weathering, erosion, and plant and animal adaptations. What questions do you have about what you heard/learned?	Look around outside for evidence of the path of water. When it rains where do you think the water runs? Do you see areas of bare soil? Is it being washed away? Record your observations.
Learn more about a threatened or endangered plant or animal. Write a letter to a friend, family member, neighbor, or local politician to inform them about the plant or animal and what can be done to help.	Can you solve one problem in many different ways? Or, complete a household task in a variety of ways? Which solution is the best? How do you know? Write about your ideas in your home science journal.	Bill Nye The Science Guy (online video) Explore videos that relate to energy transfer, renewable and nonrenewable resources, sound waves, weathering, erosion, and plant and animal adaptations.	Make close observations of the natural world. Take your home science journal and a pencil outside to draw and label what you see. Do you see evidence of living things? What else did you find?

Related Arts: Art, Library Media, Music, Physical Education, and Health

Art	<p><i>Why is Art So Weird? * Wait, I Can Use That....</i></p> <p>Gather items that usually end up in the recycle bin or you no longer use. What some people would call trash. Create a sculpture by stacking, attaching and combining objects. Consider the colors or add color paint or markers.</p> <p>*To view video (optional) https://www.tate.org.uk/kids/explore/kids-view/why-art-so-weird</p>	<p><i>Weather and Art*</i></p> <p>Materials:</p> <ul style="list-style-type: none"> Any available materials. <p>Imagine the feeling of the different seasons, types of weather: gentle rain, wind, hot and muggy, or freezing cold. Different types of weather make you feel differently. Can you make a drawing, painting, or collage to show how it feels? It can be realistic or abstract.</p> <p>*https://www.tate.org.uk/art/weather-and-art</p>	<p><i>What Color are You Feeling Today?</i></p> <p>* Artist Henri Matisse said 'Color was given to us so that we can express our emotions.'</p> <p>Select a color that expresses how you feel today. Using different shades of that color create a painting, collage or drawing. Give it a title that expresses your feelings.</p> <p>*https://www.tate.org.uk/kids/games-quizzes/quiz-what-kind-colour-are-you</p>	<p><i>Design Your Ideal Bedroom*</i></p> <p>Materials:</p> <ul style="list-style-type: none"> Paper, colored pencils, markers or crayons <p>Consider:</p> <ol style="list-style-type: none"> Where would your ideal day be spent? What are your favorite colors? What shapes do you like best? What would you like to be? Are you messy? Neat? Quirky? What do you do in your room? <p>Now see, imagine, and Draw It!</p> <p>*https://www.tate.org.uk/kids/games-quizzes/quiz-which-artist-should-design-your-bedroom</p>
Library Media	Select from a wide range of reading materials - picture books, chapter books, magazines, comics. Practice recognizing the difference between fiction and non-fiction.	Practice alphabetizing spices, canned goods, and other sets of items	Generate questions about a topic you would like to learn more about. Use the Big6 research process to conduct research.	eBooks, electronic encyclopedias, databases, and audiobooks are available in MackinVIA from hcpss.me such as PebbleGo, Tumblebooks, FUNdamentals in Britannica School Edition.
Music	Use household items (with permission) to explore the difference between beat and rhythm. Create your own rhythm patterns.	Use your voice or instrument at home to explore high and low sounds. Compare and contrast your sounds with someone else.	Listen to any song and label it with the verses and refrain. Translate that pattern to letters in order to explain the musical form (ex. ABAB).	Listen to music on the radio or other device and demonstrate the beat on your body or nearby table. Describe what you like about the music to a family member.
P.E. and Health	<p>Invent an active game or dance.</p> <p>Enjoy a 30-minute walk.</p> <p>Play your favorite tag game with your family.</p>	<p>Have a relay race with your family. Incorporate different locomotor movements and animal walks.</p> <p>Complete the following exercises: 10 push-ups, 30 second plank, 10 sit-ups, 10 air squats, 10 lunges, 30 jumping jacks, 1 minute of jogging in place, and 1 minute of high knees.</p>	<p>Read a book while performing wall-sits.</p> <p>Complete the following exercises: 10 burpees, 10 wall push-ups, sit and reach stretch, 20 small arm circles (forwards and backwards), 20 large arm circles (forwards and backwards), and 10 minute walk around the neighborhood.</p>	<p>Pick one of the websites below and perform one of the workouts:</p> <ul style="list-style-type: none"> Darebee Fitness Posters https://darebee.com/ Go Noodle Fitness Videos www.gonoodle.com Kids Health www.kidshealth.com Cosmic Kids Yoga Video https://www.cosmickids.com

Instructional Technology

Instr. Tech.	<p>Unplugged Activity</p> <p>Parents can design a path for the “mouse” using a deck of cards and place some yummy treats for him throughout the path. Students will use coding language to provide an algorithm to get to the treats.</p> <p>Feed the Mouse Directions (http://info.thinkfun.com/stem-education/6-unplugged-coding-activities-for-hour-of-code)</p>	<p>Plugged Activity</p> <p>Complete a Code Studio Course through Code.org.</p> <ul style="list-style-type: none"> • Course D - Grade 3/Grade 4 • Course E - Grade 4/Grade 5 • Course F - Grade 5 	<p>Keyboarding</p> <p>Practice letter recognition and pre-keyboarding skills.</p> <ul style="list-style-type: none"> • Pre-Keyboarding Skills with Website Recommendations (https://tinyurl.com/prekeyboard) • Practice typing their first name and last name, username and password, and/or high-frequency words in a blank word processing document. 	<p>Wixie</p> <p>Use Wixie in https://hcpss.me/ to illustrate and write a story about your day.</p>
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ESOL

<p>Interview a family member. Ask about their likes and dislikes and their goals. Ask how they reached their goals or plan to reach their goals. Do you have similar goals? How are yours different? Tell your family member about your goals and how you will reach them.</p>	<p>Watch a show that features an occupation such as firefighters, police officers, engineers.</p> <p>Discuss with a family member the job you would like when you are an adult?</p>	<p>Summarize a fiction book you read or a video you watched to a family member. Make sure to tell the family member the problem in the story. Both discuss what you would have done if you had a similar problem.</p> <p>The problem was _____. I agree/disagree with how it was solved because _____. I would have _____.</p>	<p>Discuss with a family member a goal you want to achieve, but that you need help with (cooking a meal, playing a song, asking a friend to play). Discuss the steps to take to achieve your goal.</p>
<p>Access MackinVia in https://hcpss.me/. Read or listen to books and record a summary of your book with WeVideo in https://hcpss.me/. OR Read a book you have at home and write a summary of your book.</p>	<p>Access MackinVia in https://hcpss.me/. -Choose a book to read or listen to -Think about the actions of the main character -List actions the main character takes to solve a problem.</p>	<p>Access MackinVia in https://hcpss.me/. Read or listen to books and write to explain what you would do differently if you were the main character. OR Read a book you have at home and write to explain what you would do differently if you were the main character.</p>	<p>Access MackinVia in https://hcpss.me/. -Choose a book to read or listen to. -Think about the actions of the main character. -Explain how the main character's actions helped solve a problem.</p>