

# 6th Grade Unplugged: WEEK 1

FCPS "Learning Unplugged" is a series of activities that promote learning at home *without the use of electronics.*



FAYETTE COUNTY PUBLIC SCHOOLS

## DAY 1



### ELA--CHOICE READING:

Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.



### MATH:

What is the least and greatest amount of surface area possible on a rectangular prism with a volume of 64 cubic inches and whole number side lengths?



### SCIENCE:

Create a model for a cup that will keep your drink cold on a hot summer day. The cup should control the transfer of energy. Keep a detailed notebook of all materials, design, modifications, test results, pictures, etc. Make sure you explain the transfer of energy within your cup and other components in the system.



### PE/HEALTH:

Keep a food diary for a week. Log each meal, snack, and the number of glasses of water you drink (shoot for 8 glasses of water). Try to eat lots of fruits and vegetables.

## DAY 2



### ELA--COLLECTIONS TEXTBOOK:

Read the memoir from "It Worked for Me: In Life and Leadership" on pages 253-258. Make a list of the personal thoughts and feelings shared by the author.



### MATH:

Pick your favorite fast food meal. How many calories are in the meal? Pick your favorite way to exercise. How long would you have to exercise to burn all of the calories from your favorite meal?



### SOCIAL STUDIES:

Create 6-8 questions around a topic (technology, culture, civic participation, power of government, global connections). Interview two people recording answers and asking follow-up questions. Make a creative product reflective of the question "How does experience influence perspective?" (create a story, make a video).



### ART:

Create a still life drawing using 3-5 objects from around your room or house and arrange on a flat surface. Add a light source to create strong shadows cast on one side of your objects. Now draw and shade!

## DAY 3



### ELA--COLLECTIONS TEXTBOOK:

Read the biography from "Colin Powell: Military Leader" on pages 260-265. Explain how the text is structured.



### MATH:

You'll need a deck of cards with face cards removed (ace = 1), paper, and pencil. Each player turns over five cards. Players then use these cards to create equations that equal zero and write the equations on their papers. They may use any number of cards and any of the four operations. The goal of the game is to generate equations equal to zero.



### SCIENCE:

Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed. Examples of models could include drawings and diagrams.



### PE/HEALTH:

Create your own dance! Invite family members to learn your dance, then have a "dance-off" competition.

## DAY 4



### ELA--COLLECTIONS TEXTBOOK:

Compare and contrast a memoir with a biography using specific examples from the readings on Day 2 and Day 3.



### MATH:

Go through a cookbook and find a recipe you like with at least five ingredients. Rewrite the recipe to feed enough people in your math class. What other factors must you consider besides amount of each ingredient?



### SOCIAL STUDIES:

Masks are used for various purposes in different cultures. They may conceal identity, enhance beauty, or provide protection. Create a mask that represents you and write a brief explanation about its meaning.



### MUSIC:

From a song you enjoy, write at least 4-6 sentences describing in detail what you hear using music vocabulary below.

(Use these words in your response)

**harmony** (combination of different notes played at the same time)

**tempo** (how fast or slow the pulse of the music is)

**rhythm** (how long individual notes last)

## DAY 5



### ELA--WRITING:

Write about a time you took on a leadership role and what you learned from that experience.



### MATH:

Using delivery menus from several restaurants, determine the number and size of pizzas needed to feed your math class. Are there any other options (number of toppings, coupons)? Find the cost per pizza and the delivery cost. Decide on the best buy if all restaurants have equal quality pizza.



### SCIENCE:

Gather information to describe that synthetic materials come from natural resources and impact society. Emphasis is on natural resources that undergo a chemical process to form the synthetic material. Examples of new materials could include new medicine, foods, and alternative fuels.



### ART:

Would you like to give thanks to someone who has helped you or done something nice for you? Design a postcard and focus on words and thoughts of gratitude.

# 6th Grade Unplugged: WEEK 2

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DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.</p> <p> <b>MATH:</b></p> <p>What is the greatest area you can make with a right trapezoid that has a perimeter of 46 units?</p> <p> <b>SCIENCE:</b></p> <p>Get two eggs, one hard boiled and one raw. Make sure the hard boiled egg has been in the fridge long enough to be the same temperature as the raw egg. Spin the eggs and watch what happens. One egg should spin while the other wobbles. Observe and explain.</p> <p> <b>ART:</b></p> <p>Would you like to give thanks to someone who has helped you or done something nice for you? Design a postcard and focus on words and thoughts of gratitude.</p>	<p> <b>ELA--CLOSE READER:</b></p> <p>Read "The Light--Ah! The Light" on pages 97-98. Complete the close reading practice items and the short response.</p> <p> <b>MATH:</b></p> <p>Use the digits 1-9 to create 3 equivalent ratios. Each digit can only be used once.</p> <p>_: _ = _: _ : _ = _: _ : _</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Create a map of your your neighborhood. Include streets, parks, houses, apartments, etc. You can draw the map or create one out of LEGOs, blocks, or other material.</p> <p> <b>PE/HEALTH:</b></p> <p>Burn off extra energy and adapt your environment to your needs by rearranging furniture in your room, ridding your space of old things, and adding your personal art work or motivational words!</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Read "The First Day of School" on pages 271-278. Describe the mood of the short story. Make a list of words and phrases that create the mood.</p> <p> <b>MATH:</b></p> <p>Create a statistical data set of at least 10 numbers such that: 1. All of the numbers in the data set are whole numbers. 2. The median is not a whole number. 3. The median is not part of the data set.</p> <p> <b>SCIENCE:</b></p> <p><b>What you'll need:</b> 1 cup of corn starch, half a cup of water, large plastic container, and a spoon</p> <p><b>Instructions:</b> Mix the cornstarch and water thoroughly in the container to make your own instant quick sand. When showing other people how it works, stir slowly and drip the quick sand to show it is a liquid. Stirring it quickly will make it hard and allow you to punch or poke it quickly.</p> <p> <b>PE/HEALTH:</b></p> <p>Be active today! Try watching TV while standing, reading a book while walking, or helping with chores such as vacuuming and cleaning windows.</p>	<p> <b>ELA--WRITING:</b></p> <p>Write a paragraph about a time you had to make an important decision. Carefully choose words to create a reflective mood. Rewrite the paragraph choosing words to create a humorous or eerie mood.</p> <p> <b>MATH:</b></p> <p>What is least amount of surface area possible on a rectangular prism with a volume of 64 cubic inches?</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Read a current event news article and summarize it. Make sure to include the central idea and at least three supporting details.</p> <p> <b>MUSIC:</b></p> <p>Play any selection of music and dance and sway to the beat.</p>	<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Describe the mood or tone of the text. Make a list of words and phrases that create the mood or tone.</p> <p> <b>MATH:</b></p> <p>What is the fewest number of people surveyed if exactly 93.6% of people completed a survey?</p> <p> <b>SCIENCE:</b></p> <p><b>What you'll need:</b> A clear glass filled with hot water A clear glass filled with cold water, food coloring, and an eye dropper</p> <p><b>Instructions:</b> Fill the glasses with the same amount of water, one cold and one hot. Put one drop of food coloring into both glasses as quickly as possible. Watch what happens to the food coloring. Observe and explain.</p> <p> <b>PE/HEALTH:</b></p> <p>Create a healthy snack art piece! Use healthy foods such as fruits and vegetables!</p>

# 6th Grade Unplugged: WEEK 3

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DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.</p> <p> <b>MATH:</b></p> <p>Write three equations whose solution is <math>x = 3</math>.</p> <p> <b>SCIENCE:</b></p> <p>You'll need sugar cubes, cold water in a clear glass, hot water in a clear glass (be careful with the hot water), and a spoon. Make sure the glasses have an equal amount of water. Put a sugar cube into the cold water and stir with the spoon until the sugar disappears. Repeat this process until the sugar stops dissolving. Write down how many sugar cubes you could dissolve in the cold water. Repeat the process for the hot water, comparing the number of sugar cubes that dissolved in each liquid. Which dissolved more?</p> <p> <b>PE/HEALTH:</b></p> <p>Create an obstacle course challenge! This can be done with pillows, baskets and furniture for an indoor course, or go all-out and put together a Ninja Warrior style course outside.</p>	<p> <b>ELA--CLOSE READER:</b></p> <p>Read and annotate "Can Animals Feel and Think?" on pages 25-28. Write a summary of the article.</p> <p> <b>MATH:</b></p> <p>Create a set of five positive integers from 1 to 20 that have the same mean, median, and range.</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Read a current event news article and summarize it. Make sure to include the central idea and at least three supporting details. How would it be different if it was a news broadcast? List at least three ways.</p> <p> <b>ART:</b></p> <p>Do you have a box of memorabilia tucked away somewhere (or bits of memorabilia scattered everywhere)? Get organized and give your treasures a facelift by decorating the box you keep them in. Decor can be specific to a set of memories or time period or more general. Decorating a box is also a great way to add to a time capsule or memory box given as a gift.</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Read the poems "Animal Wisdom" and "The Last Wolf" on pages 100-102. Paraphrase each poem. Make a list of words and phrases that appeal to the reader's senses (imagery).</p> <p> <b>MATH:</b></p> <p>Create an inequality that has no solution.</p> <p> <b>SCIENCE:</b></p> <p><b>You'll need:</b> an orange, deep bowl, and water</p> <p><b>Instructions:</b> Fill the bowl with water. Put the orange in the water and watch what happens. Peel the rind from the orange and try the experiment again. What happens this time?</p> <p> <b>PE/HEALTH:</b></p> <p>Be active today! Try watching TV while standing, reading a book while walking, or helping with chores such as vacuuming and cleaning windows.</p>	<p> <b>ELA--WRITING:</b></p> <p>Write an informative paragraph that compares how the writer of each poem (from Day 3) feels about wildlife.</p> <p> <b>MATH:</b></p> <p>Decide if <math>30x - 12</math> could be a result of using the distributive property. If it is, find the possible combinations of factors whose product would be <math>30x - 12</math> (using integer coefficients and constants).</p> <p> <b>SOCIAL STUDIES:</b></p> <p>If you could go back to any point in history, when and where would you go and why?</p> <p> <b>MUSIC:</b></p> <p>Try listening to a new genre of music this week. Using musical vocabulary, describe the instruments you hear.</p>	<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Make a list of words and phrase that appeal to the reader's senses (imagery).</p> <p> <b>MATH:</b></p> <p>Create a statistical data set of at least 10 numbers such that: 1. All of the numbers in the data set are whole numbers. 2. The lower and upper quartiles are not whole numbers. 3. The lower and upper quartiles are not part of the data set.</p> <p> <b>SCIENCE:</b></p> <p><b>You'll need:</b> 5 drinking glasses, water, wooden stick.</p> <p><b>Instructions:</b> Line the glasses up next to each other and fill them with different amounts of water. The first should have just a little water while the last should be almost full. The ones in between should have slightly more than the last. Hit the glass with the least amount of water and observe the sound, then hit the glass with the most water. Which makes the higher sound? Hit the other glasses and see what noise they make. See if you can get a tune going by hitting the glasses in a certain order.</p> <p> <b>PE/HEALTH:</b></p> <p>Challenge yourself to drink 8 glasses of water today!</p>

# 7th Grade Unplugged: WEEK 1

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## DAY 1



### ELA--CHOICE READING:

Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.



### MATH:

Using the digits 0-9, at most one time each, fill in the boxes to make the statement true:

\_\_\_ and \_\_\_ are complementary angles.  
 \_\_\_ and \_\_\_ are supplementary angles



### SCIENCE:

Design an experiment to provide evidence that gravitational interactions are attractive and depend on the mass of the interacting objects.



### PE/HEALTH:

Keep a food diary for a week. Log each meal, snack, and the number of glasses of water you drink (shoot for 8 glasses of water). Try to eat lots of fruits and vegetables.

## DAY 2



### ELA--TEXTBOOK:

Read "Why Exploring the Ocean Is Mankind's Next Giant Leap" on pages 193-196. Outline Cousteau's argument for ocean exploration.



### MATH:

Your sibling wants to build 3 different kicker ramps for practicing tricks on a skateboard. The first ramp is 6 feet long, 4 feet wide, and 1.5 feet high. Find the steepness (slope) of this ramp, and then sketch the plans for two other ramps using boards (a) 8 feet long and 4 feet wide, and (b) using boards 12 feet long and 6 feet wide. Decide on the height of the ramp for each, and determine the steepness (slope) of all three ramps.



### SOCIAL STUDIES:

Create 6-8 questions around a topic (technology, culture, civic participation, power of government, global connections). Interview two people recording answers and asking follow-up questions. Make a creative product reflective of the question "How does experience influence perspective?" (create a story, make a video).



### ART:

Create a still life drawing, using 3-5 objects from around your room or house and arrange on a flat surface. Add a light source to create strong shadows cast on one side of your objects. Now DRAW and shade!

## DAY 3



### ELA--TEXTBOOK:

Read from Living in the Dark on pages 201-208. Identify the central idea of each section of text.



### MATH:

You are creating your own baking company. Chocolate chip cookies are your speciality. Develop a recipe for your chocolate chip cookie. Be sure to label the ratio of chocolate chips to batter. Write a business plan for selling your cookies. How much will your cookie cost to make? How much will you sell your cookie for? What is the markup? Is there a discount?



### SCIENCE:

Carry out the experiment you designed to provide evidence that gravitational interactions are attractive and depend on the mass of the interacting objects.



### PE/HEALTH:

Create your own dance! Invite family members to learn your dance, then have a "dance-off" competition.

## DAY 4



### ELA--CLOSE READER:

Read and annotate "Stinging Tentacles Offer Hint of Oceans' Decline" on pages 67-74. Complete 1-9 close reading practice.



### MATH:

Solve the following. Then create your own.

$\square = \underline{\hspace{1cm}}$   
 $\diamond = \underline{\hspace{1cm}}$   
 $? = \underline{\hspace{1cm}}$



### SOCIAL STUDIES:

Masks are used for various purposes in different cultures. They may conceal identity, enhance beauty, or provide protection. Create a mask that represents you and write a brief explanation about its meaning.



### MUSIC:

From a song you enjoy, write at least 4-6 sentences describing in detail what you hear using music vocabulary below.

(Use these words in your response)  
**harmony** (combination of different notes played at the same time)  
**tempo** (how fast or slow the pulse of the music is)  
**rhythm** (how long individual notes last)

## DAY 5



### ELA--WRITING:

Create a brochure about why it is important to protect the ocean. Include illustrations and cite evidence from what you read in your textbook and close reader.



### MATH:

Directions: Using the integers -3 to 3, at most one time each, fill in the blanks to make each equation true.

$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$   
 $\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$



### SCIENCE:

Construct an argument using evidence to support the claim that gravitational interactions are attractive and depend on the masses of interacting objects.



### ART:

Would you like to give thanks to someone who has helped you or done something nice for you? Design a postcard and focus on words and thoughts of gratitude.

# 7th Grade Unplugged: WEEK 2

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FAYETTE COUNTY PUBLIC SCHOOLS

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Read "Remarks at the Dedication of the Aerospace Medical Health Center" on pages 185-188. Outline Kennedy's argument.</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Evaluate Kennedy's argument. Do his conclusions arise logically from the reasons and evidence he has cited? Write a short response.</p>	<p> <b>ELA--CLOSE READER:</b></p> <p>Read "Is Space Worth the Cost?" on pages 63-66. Complete 1-6 close reading practice.</p>	<p> <b>ELA--WRITING:</b></p> <p>Choose a position concerning a risk or exploration. Write out your claim in a statement and list 3 reasons for support.</p>
<p> <b>MATH:</b></p> <p>Using the digits 1 to 9, how many ratios can you make that are equivalent to 2:3?</p>	<p> <b>MATH:</b></p> <p>Find three numbers whose product is -64. You may use integers from -10 to 10. You may not use the same absolute value twice. Find all possible combinations.</p>	<p> <b>MATH:</b></p> <p>Create a statistical data set of at least 10 numbers such that: 1. All of the numbers in the data set are whole numbers. 2. The median is not a whole number. 3. The median is not part of the data set.</p>	<p> <b>MATH:</b></p> <p>What is least amount of surface area possible on a rectangular prism with a volume of 64 cubic inches?</p>	<p> <b>MATH:</b></p> <p>Distinguish between an equality and inequality (<math>&gt;</math>, <math>&lt;</math>, <math>&gt;</math>, <math>&lt;</math>) using variables:</p> <ul style="list-style-type: none"> <li>• equality: <math>4s + 20 = 46</math></li> <li>• inequality: <math>4s + 20 &lt; 46</math></li> </ul>
<p> <b>SCIENCE:</b></p> <p>Apply scientific principles to design a device that either minimizes or maximizes thermal energy transfer. Examples of devices could include an insulated box, a solar cooker, and a Styrofoam cup.</p>	<p> <b>SOCIAL STUDIES:</b></p> <p>Create a map of your your neighborhood. Include streets, parks, houses, apartments, etc. You can draw the map or create one out of LEGOs, blocks, or other material.</p>	<p> <b>SCIENCE:</b></p> <p>Apply scientific principles to construct the device you designed that either minimizes or maximizes thermal energy transfer.</p>	<p> <b>SOCIAL STUDIES:</b></p> <p>Read an article about COVID-19. How has this virus impacted life for you on a personal level? A community level? A state level? A national level? A global level? What are some long-term effects of this virus?</p>	<p> <b>SCIENCE:</b></p> <p>Apply scientific principles to test your device that either minimizes or maximizes thermal energy transfer.</p>
<p> <b>ART:</b></p> <p>Do you have a phrase or saying that makes you feel uplifted? Cut the words out of magazines and arrange an encouraging display. Don't have a "go to" phrase? Find generic words, such as "happy," "joy," "inspire," and start with a general display of words.</p>	<p> <b>PE/HEALTH:</b></p> <p>Burn off extra energy and adapt your environment to your needs by rearranging furniture in your room, ridding your space of old things, and adding your personal art work or motivational words!</p>	<p> <b>PE/HEALTH:</b></p> <p>Be active today! Try watching TV while standing, reading a book while walking, or helping with chores such as vacuuming and cleaning windows.</p>	<p> <b>MUSIC:</b></p> <p>Play any selection of music and dance and sway to the beat.</p>	<p> <b>PE/HEALTH:</b></p> <p>Create a healthy snack art piece! Use healthy foods such as fruits and vegetables!</p>

# 7th Grade Unplugged: WEEK 3

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# 8th Grade Unplugged: WEEK 1

FCPS "Learning Unplugged" is a series of activities that promote learning at home *without the use of electronics.*



FAVETTE COUNTY PUBLIC SCHOOLS

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.</p> <p> <b>MATH:</b></p> <p>Math: Using the digits 0 through 9 at most one time, fill in the boxes to make the sum of the interior angles of a triangle.</p> <p style="text-align: center;">_ _ + _ _ + _ _</p> <p> <b>SCIENCE:</b></p> <p>Develop a model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.</p> <p> <b>PE/HEALTH:</b></p> <p>Keep a food diary for a week. Log each meal, snack, and the number of glasses of water you drink (shoot for 8 glasses of water). Try to eat lots of fruits and vegetables.</p>	<p> <b>ELA--CLOSE READER:</b></p> <p>Read and annotate "The Flying Machine" on pages 111-117. Complete 1-8 close reading practice.</p> <p> <b>MATH:</b></p> <p>Using transformations, create a design for fabric that represents you as a person to be used on Project Runway. How will you combine transformations to move your design around the fabric? What combination of transformations was used to create your design?</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Create 6-8 questions around a topic (technology, culture, civic participation, power of government, global connections). Interview two people recording answers and asking follow-up questions. Make a creative product reflective of the question "How does experience influence perspective?" (create a story, make a video).</p> <p> <b>ART:</b></p> <p>Create a still life drawing, using 3-5 objects from around your room or house and arrange on a flat surface. Add a light source to create strong shadows cast on one side of your objects. Now DRAW and shade!</p>	<p> <b>ELA--CLOSE READER:</b></p> <p>Read the graphic version of "The Flying Machine" on pages 118-123. Complete the close reading practice prompts.</p> <p> <b>MATH:</b></p> <p>Long-distance company A charges a base rate of \$5 per month, plus 4 cents per minute that you are on the phone. Long-distance company B charges a base rate of only \$2 per month, but charges 10 cents per minute used. How much time per month would you have to talk on the phone before subscribing to company A would save you money?</p> <p> <b>SCIENCE:</b></p> <p>Use your model to describe why structural changes to genes (mutations) located on chromosomes may affect proteins and may result in harmful, beneficial, or neutral effects to the structure and function of the organism.</p> <p> <b>PE/HEALTH:</b></p> <p>Create your own dance! Invite family members to learn your dance, then have a "dance-off" competition.</p>	<p> <b>ELA--CLOSE READER/Writing:</b></p> <p>Explain the advantages of reading "The Flying Machine" as a graphic story instead of a short story. Cite text evidence in your response.</p> <p> <b>MATH:</b></p> <p>Given the point (3,5), use digits 1-9, at most one time, to find a point (__, __) that minimizes the slope of the line that passes through the two points. The slope cannot be undefined.</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Masks are used for various purposes in different cultures. They may conceal identity, enhance beauty, or provide protection. Create a mask that represents you and write a brief explanation about its meaning.</p> <p> <b>MUSIC:</b></p> <p>From a song you enjoy, write at least 4-6 sentences describing in detail what you hear using music vocabulary below.</p> <p><u>(Use these words in your response)</u></p> <p><b>harmony</b> (combination of different notes played at the same time)</p> <p><b>tempo</b> (how fast or slow the pulse of the music is)</p> <p><b>rhythm</b> (how long individual notes last)</p>	<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Choose one scene and depict it graphically.</p> <p> <b>MATH:</b></p> <p>Explore and examine different types of graphs and tables either online or in the newspaper.</p> <p> <b>SCIENCE:</b></p> <p>Write an explanation of how a virus may have negative effects on an organism based on the model you developed.</p> <p> <b>ART:</b></p> <p>Would you like to give thanks to someone who has helped you or done something nice for you? Design a postcard and focus on words and thoughts of gratitude.</p>

# 8th Grade Unplugged: WEEK 2

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FAYETTE COUNTY PUBLIC SCHOOLS

DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.</p> <p> <b>MATH:</b></p> <p>As a salesperson, you are paid \$50 per week plus \$3 per sale. This week you want your pay to be at least \$100. Write an inequality for the number of sales you need to make, and describe the solutions.</p> <p> <b>SCIENCE:</b></p> <p>Develop a model to describe why asexual reproduction results in offspring with identical genetic information. Emphasis is on using models such as Punnett squares, diagrams, and simulations to describe the cause and effect relationship of gene transmission from parent(s) to offspring and resulting genetic variation.</p> <p> <b>ART:</b></p> <p>Do you have a phrase or saying that makes you feel uplifted? Cut the words out of magazines and arrange an encouraging display. Don't have a "go to" phrase? Find generic words, such as "happy," "joy," "inspire," and start with a general display of words.</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Read the memoir "One Last Time" on pages 405-416. Explain how Soto's family experiences affects the way he thinks about working.</p> <p> <b>MATH:</b></p> <p>Embrace your inner square! Use the clock off the wall. Each number represents a solution. Using sticky notes, replace each number with its square root equation.</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Read an article about COVID-19. How has this virus impacted life for you on a personal level? A community level? A state level? A national level? A global level? What are some long-term effects of this virus?</p> <p> <b>PE/HEALTH:</b></p> <p>Burn off extra energy and adapt your environment to your needs by rearranging furniture in your room, ridding your space of old things, and adding your personal art work or motivational words!</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Reread "One Last Time." Identify words in the memoir that appeal to each of the five senses.</p> <p> <b>MATH:</b></p> <p>Create a statistical data set of at least 10 numbers such that: 1. All of the numbers in the data set are whole numbers. 2. The median is not a whole number. 3. The median is not part of the data set.</p> <p> <b>SCIENCE:</b></p> <p>Develop a model to describe why sexual reproduction results in offspring with genetic variation. Emphasis is on using models such as Punnett squares, diagrams, and simulations to describe the cause and effect relationship of gene transmission from parent(s) to offspring and resulting genetic variation.</p> <p> <b>PE/HEALTH:</b></p> <p>Be active today! Try watching TV while standing, reading a book while walking, or helping with chores such as vacuuming and cleaning windows.</p>	<p> <b>ELA--WRITING:</b></p> <p>Write about a work experience you have had. Include sensory details.</p> <p> <b>MATH:</b></p> <p>What is least amount of surface area possible on a rectangular prism with a volume of 64 cubic inches?</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Read a current event news article and summarize it. Make sure to include the central idea and at least three supporting details.</p> <p> <b>MUSIC:</b></p> <p>Play any selection of music and dance and sway to the beat.</p>	<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Identify words that appeal to each of the five senses.</p> <p> <b>MATH:</b></p> <p>Find different 2-D and 3-D objects in your home and discuss the difference between find the surface area and volume of each object.</p> <p> <b>SCIENCE:</b></p> <p>Write argument using your models as evidence as to which form of reproduction is most beneficial for the survival of an organism population.</p> <p> <b>PE/HEALTH:</b></p> <p>Create a healthy snack art piece! Use healthy foods such as fruits and vegetables!</p>

# 8th Grade Unplugged: WEEK 3

FCPS "Learning Unplugged" is a series of activities that promote learning at home *without the use of electronics.*



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DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Write questions about or a summary of what you read.</p> <p> <b>MATH:</b></p> <p>Using the Integers 0-9 (without duplication), provide four sets of points that represent two distinct lines. These lines can be written as two linear equations. Then provide a fifth point that represents the intersection (or solution) of those equations. Line 1: (__, __) and (__, __) Line 2: (__, __) and (__, __) Solution (__, __)</p> <p> <b>SCIENCE:</b></p> <p>Develop 3 questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century. Examples of factors include human activities (such as fossil fuel combustion, cement production, and agricultural activity) and natural processes (such as changes in incoming solar radiation or volcanic activity).</p> <p> <b>PE/HEALTH:</b></p> <p>Create an obstacle course challenge! This can be done with pillows, baskets and furniture for an indoor course, or go all-out and put together a Ninja Warrior style course outside.</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Read the argument "Teens Need Jobs, Not Just Cash" on pages 419-421. Outline the author's argument.</p> <p> <b>MATH:</b></p> <p>How can you tell what kind of regular polygon has the same measure for its interior and exterior angles?</p> <p> <b>SOCIAL STUDIES:</b></p> <p>Read a current event news article and summarize it. Make sure to include the central idea and at least three supporting details. How would it be different if it was a news broadcast? List at least three ways.</p> <p> <b>ART:</b></p> <p>Do you have a box of memorabilia tucked away somewhere (or bits of memorabilia scattered everywhere)? Get organized and give your treasures a facelift by literally decorating the box you keep them in. Decor can be specific to a set of memories or time period, or more general. Decorating a box is also a great way to add to a time capsule or memory box given as a gift.</p>	<p> <b>ELA--COLLECTIONS TEXTBOOK:</b></p> <p>Read the argument "Teens at Work" on pages 422-423. Outline the author's argument.</p> <p> <b>MATH:</b></p> <p>Write a linear equation that has a slope of -100. Hints: What is the general form of a linear equation? Where do you find slope in a linear equation?</p> <p> <b>SCIENCE:</b></p> <p>Develop 3 additional questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century. Examples of factors include human activities (such as fossil fuel combustion, cement production, and agricultural activity) and natural processes (such as changes in incoming solar radiation or volcanic activity).</p> <p> <b>PE/HEALTH:</b></p> <p>Be active today! Try watching TV while standing, reading a book while walking, or helping with chores such as vacuuming and cleaning windows.</p>	<p> <b>ELA--WRITING:</b></p> <p>Develop an argument about whether teens should get a job. Include a claim and counterclaim as well as support.</p> <p> <b>MATH:</b></p> <p>What is the side length of an equilateral triangle that has an area of 5 square units?</p> <p> <b>SOCIAL STUDIES:</b></p> <p>If you could go back to any point in history, when and where would you go and why?</p> <p> <b>MUSIC:</b></p> <p>Try listening to a new genre of music this week. Using musical vocabulary, describe the instruments you hear.</p>	<p> <b>ELA--CHOICE READING:</b></p> <p>Read for 20 minutes and keep track of your progress. Make a prediction about the theme of the text or the central idea of the text based on textual evidence.</p> <p> <b>MATH:</b></p> <p>Get your child thinking about the long-term value of math. Slip into conversation that you need math skills to design the perfect pair of jeans, be an architect, invent a video game, and even to work as a successful garden designer.</p> <p> <b>SCIENCE:</b></p> <p>Identify possible sources as to where evidence to answer each of your questions may be found. Examples of evidence can include tables, graphs, and maps of global and regional temperatures, atmospheric levels of gases such as carbon dioxide and methane, and the rates of human activities.</p> <p> <b>PE/HEALTH:</b></p> <p>Challenge yourself to drink 8 glasses of water today!</p>



**Who am I?** This activity can be adapted to be a written exercise. It can be done with one student & parent or the whole family.

Write the following topics in large print on 6 pieces of paper-- 1) I am; 2) I can; 3) I believe that; 4) I am learning to; 5) I enjoy; 6) Places where I spend my time. Place the papers on the floor in a circle.

Now, the student (or each player) should stand behind one of the papers on the floor. The parent should start playing music and the student should walk around the circle (similar to the childhood game musical chairs). When the music stops, they will read the card next to which they're standing. Then, they must complete the sentence with the first thing that comes to mind (i.e. I am learning to speak Spanish or I believe that everyone has good intentions). After everyone participating has had a chance to respond, the music resumes and the activity continues.



**Write & Rip** - an exercise to learn how emotions affect our mind & bodies.

Read to your student: To begin, pause for a moment, close your eyes, & scan your body. Notice if there is any part of your body that may be holding stress, such as your shoulders or your stomach. Is there something stressful that is making your shoulders tight or your stomach hurt? Is there anything on your mind today that you need to let go of? Like something you are worried about or something makes you sad?

We're going to practice write & rip by writing our negative thoughts & worries on a piece of scratch paper, then ripping them up and tossing them into the trash. You have the length of one song to do it. No one will see what you write. (play a calming song).

After the activity, process how it felt to write about their stress and then destroy the stressors.



**Making Good Decisions**

Have students create a chart for the 7 Step Decision-Making Process.

1. Defining the problem
2. Gathering information and resources
3. Listing options
4. Comparing options
5. Making a decision
6. Making a plan of action
7. Evaluating the decision

Next, have them identify a problem they are currently experiencing (or have recently experienced) and take it through the decision-making process.



**Gratitude Journal** - Rather than focusing on what we wish for or the difficulties in our life, it can be helpful to begin each day with a shift in perspective. Grab a notebook for journaling (or start a digital journal). Each day, write the date and 3 things for which you're thankful.

Some days this will be easier than others. Sometimes you'll have to stretch your mind to identify things for which you have gratitude. But focusing on those things can set the tone for your day.

Ex: March 15, 2020: Today I am thankful...

1. That I have the ability to see to read this paper.
2. That I have a friend like Jay.
3. That I have food in my fridge.