

Pro-Vision Academy Charter School
Eighth Grade Distance Learning Plan

Eighth Grade Distance Learning Plan
Week of March 30th - April 3, 2020

Math Activities

(Suggested: 45 minutes of off-line activities)

Please contact Ms. Flowers with any questions at bflowers@pvacademy.org

TEKS: 8.2d 8.8c 8.6a,c 8.7a

Monday

Order the following numbers from greatest to least.

- 1) 0.402, 0.42, 0.375, 1.2 2) 0.322222222, 2.5555555, 0.321, 2.52

Order each group from least to greatest.

1. 2.3, $2\frac{4}{5}$, 2.6
2. 2.5648, .5, 2.66666, $\frac{1}{2}$

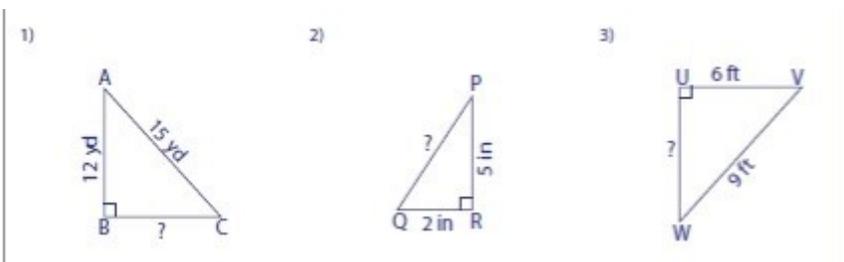
Tuesday

Model and solve each equation by drawing algebra tiles.

1. $6n+2 = 5n+5$
2. $-3n-12 = n-14$
3. $12 = 2n+6$
4. $-7n+2=29+29$

Wednesday

Using Pythagorean Theorem $a^2 + b^2 = c^2$



Find The missing length using the Pythagorean Theorem

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Thursday

$V = Bh$, where B is the area of the base

1. Find the volume of a cylinder where the area of the base is 15 and the height is 12.
2. Find the volume of a cylinder where the radius of the base is 3 and the height of the entire cylinder is 20.

Friday

Find the volume of each sphere. Round your answer to the nearest tenth if necessary. $V = \frac{4}{3}\pi r^3$. Use 3.14 for π . Show your work.

1. If you have two balls, and one ball has a radius of 2 and the other has a diameter of 10, what is the volume of the two balls?

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Science Activities

(Suggested: 45 minutes of off-line activities)

Please contact Ms. Williams with any questions at lwilliams@pvacademy.org

TEKS: 8.2A,B 8.3A

Monday

Write a short essay explaining why it is important to classify organisms and how they are classified into domains, Kingdoms, Phylum, Classes, Orders, Family, Genus, Species.

Tuesday

In your own words, explain the following terms used in the scientific method.
Qualitative observation, quantitative observation, inferring, predicting, scientific inquiry, hypothesis, variable, Independent (Manipulated variable), Dependent (Responding variable), control, data, scientific law, scientific theory

Wednesday

Create a flow chart. In the flow chart, explain what information would go in each step of the scientific method. If possible, use the terms below:

Question
Background
Hypothesis
Experiment
Analyze & Conclude

Thursday

Suppose you got up this morning and the lightbulb in your room wouldn't come on. Use the steps of the scientific method to explain how you would solve the problem and make the light work again.

Friday

What is the difference between a question and a hypothesis?
What is anything that can change in an experiment called?
If your hypothesis is incorrect, what should you do?
Which tool should be used to measure temperature?
Which tools can be used to measure the mass of an object?

RESOURCES:

<https://www.brainpop.com/science/diversityoflife/classification/>

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Week of March 30th - April 3, 2020

Reading and Writing Activities
(Suggested: 90 minutes of off-line activities)

Please submit all reading assignments to Ms. Richmond at trichmond@pvacademy.org

Monday

Writing: This week you will continue writing in your daily opinion journal. Push yourself to write more each day, hopefully a full page. (No giant handwriting to fill it up, please!) Today, write about your favorite food. Provide details about why it is your favorite. Be sure to include an effective conclusion that makes others want to experience the food. You must write at least four paragraphs

Student Reading: Today students will read **Time for Jazz** and answer the questions that follow the passage. Remember to use your strategies from class. The link for the passage and questions is <https://www.readworks.org/article/Time-for-Jazz/9a5fd942-a414-4147-ae2a-76100eb91e77#!articleTab:content/>

Tuesday

Writing: Write about how being at home all day has affected your mood. Do you like being at home, do you miss your friends, or miss going to school? Are you feeling happy or sad? Remember to use complete sentences and clearly state your opinions.

Student Reading: Today students will read Time for Jazz and answer the questions that follow the passage. Remember to use your strategies from class. The link for the passage and questions is <https://www.readworks.org/article/Time-for-Jazz/9a5fd942-a414-4147-ae2a-76100eb91e77#!articleTab:content/>

Wednesday

Writing: The Mayor of Houston has declared that everyone must stay at home unless you are

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considered an essential worker. Do you agree or disagree that people should stay at home to avoid getting the coronavirus? You must write at least four complete paragraphs stating your opinion.

Student Reading: Today students will read **Tag! You're it!** Students will then answer the questions that follow the passage. Remember to use your strategies from class. The link for the passage and questions is <https://www.readworks.org/article/Tag!-YoureHit!/5a3132dde115-4a3d-89d5-0a8edeb26d66#!articleTab:content/>

Thursday

Writing: Write a three paragraph review about the story you read yesterday **Tag! You're It.** Make sure you use complete sentences. Next, make a video or audio recording of the review you wrote on Thursday and submit it to your teacher.

Student Reading: Today students will read **Cooling from the Warmth of Nature** and answer the questions that follow the passage. Remember to use your strategies from class. The link for the passage and questions is <https://www.readworks.org/article/The-Cooling-from-the-Warmth-of-Nature/3c8f71bc-709e-44c8-8f42-24d61dd10b55#!articleTab:content/>

Friday

Writing: Today students will select one of the four stories from this week's reading passages. Students will write three paragraphs about a personal connection they had with the story. What about the story stood out to you? In what ways do you and the story have similarities? Be sure to use our writing strategies we learned this year. Remember that brainstorming prior to writing will help you create a very detailed essay that properly flows.

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Social Studies Activities
(Suggested: 45 minutes of off-line activities)
Please submit assignments to Mr. Anderson at janderson@pvacademy.org

Monday

Watch the local or national news then write a summary of what you saw. In this summary include: What was the focus of the major stories? How do these stories affect you and your family? Did the newscast show point of view? If so, was it biased? If you were running the news cast, what would you have included in the stories?

Tuesday

Compare political, economic, religious and social reasons for the establishment of the 13 colonies. Students should generate a list and identify specific reasons colonies might be established in America. Questions to think about. Did you have more political, economic religious or social reasons for establishment of colonies in America? Do any reasons fit one than more category?

Wednesday

First, create a list of numbers one through five. Next put these group of Presidents in order from the earliest to the latest. **James Monroe, Thomas Jefferson, James Madison, George Washington, and John Adams** are the presidents. Next summarize the significance of two of the presidential terms of two of the presidents.

Thursday

Create a Venn Diagram (or other graphic organizer of your choice) comparing and contrasting two wars from U.S. History (1607-1877). Here are some suggested wars: French and Indian War, American Revolution, War of 1812, Civil War.

Friday

Summarize the terms as well as the causes of the Monroe Doctrine. Why did President James Monroe fill the need to make the statement he made in his doctrine? Which country was the

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doctrine mainly directed at? In your opinion do you feel like the Monroe Doctrine was beneficial to the American sustainability?