Eighth Grade Distance Learning Plan
Week of April 13 – 17, 2020

8th Grade Math Activities
(Suggested: 45 minutes of off-line activities)

TEKS: 8.7A 8.7C

Monday

Student Holiday. No Assignments
(If the student missed any work on last week or would like to re do their classwork, the assignments will be open to accept them. Also, if needed, we will create a video zoom on google classroom for live explanations.)

Tuesday

Using what you know about the Pythagorean Theorem find the correct answer to this problem.

An inclined wheelchair ramp rises 3 feet over a horizontal distance of 8 feet. How long is the ramp? Round to the nearest tenth.

Wednesday

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

If A squared plus 8 squared is equal to 10 squared, what is a?

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 10 and the height is 4.
2. Find the volume of a cylinder where the radius of the base is 9 and the height of the entire cylinder is 15.

Friday

Log on to www.ixl.com and work on math for a total of 15 minutes.
Your log in is your first initial and your last name @pva

Ex. bflowers@pva

Pro-Vision Academy Charter School
Eighth Grade Distance Learning Plan

Your password is your last name.

Pro-Vision Academy Charter School
Eighth Grade Distance Learning Plan

Science Activities
(Suggested: 25 minutes of off-line activities)

Monday

Write and define each of Newton's Three Laws. Give two examples of each.

Tuesday

Explain the difference between balanced and unbalanced forces. How do you determine the motion of an object using the force acting on an object?

Wednesday

Draw an electromagnetic spectrum and label the waves: radio, micro, infrared, visible light, ultraviolet, x ray, gamma ray. Write a short summary of each type of wave.

Thursday

Read "Does Your Body Shut Down for Sleep?"

https://wonderopolis.org/wonder/does-your-body-shut-down-for-sleep

Write a short summary of what happens to your body as you fall asleep.