

### Week 3 home learning plan

Hey everyone!

This week we are continuing to do some work with both graphing and using sine and cosine functions to model sinusoidal situations. Not only because it is being pushed by the school, but also because it is healthy, there will be a little less work this week with the idea being that Wednesday should be a “day off” to relax and focus on self, community, and mental wellbeing. Feel free to complete this work in any order you would like, but as usual there is a timeline provided below.

#### Goals of this week:

- 1) Create a graph and function when given a maximum and minimum value
- 2) Model sinusoidal situations using sine and cosine functions

Day of the week	What you should do
Monday	Graphing when given max and min #1-4
Tuesday	Graphing when given max and min #5-7
Wednesday	Do something fun! (let me know what ya did!)
Thursday	Tarzan problem
Friday	Roller coaster problem

#### **HOW TO TURN IN YOUR WORK**

1. You can take pictures of your hand drawn graphs/your work for the word problems into your onenote page below the questions
2. If you are able to work digitally you can do the work below each problem

As you go through this you can always feel free to email me questions or come to the daily "after school" help sessions. These have been happening each weekday from **1:00-2:30**. so far it seems as though those who have shown up have found it useful and it is also a nice time to just check in with others! If this time does not work for you or you would rather meet one on one you can reach out to schedule a time for us to meet.

#### **What is due on Monday, April 6 at 8:00:**

Complete worksheet on graphing when given max and min

Complete Tarzan problem

Complete roller coaster problem