**Blake’s Salute to Smoot**

**Objective:** \*Choose a “Smoot” and figure out how many “Smoots” it would take to travel from classroom to another if the walls didn’t exist, using PYTHAGOREAN THEOREM!

**Group Size:** 3-4 Members (A “Smoot”, A recorder, A marker, an extra?)

**1)** Read the article about Oliver Smoot posted on my website.

**2)**  Choose a member of your group to be your “Smoot,” this will be your new unit of measurement. (Be sure to choose a group member’s iPad to use that is updated to iOS 8)

**3)** Take a picture of the Blake Middle School map and choose two classrooms (separated by two hallways) to travel between. (Get your classrooms approved by either Mrs. Kearney or Ms. Horvath)

**4)** NOW THE FUN PART!!! Using time lapse on the camera roll, or the Hyperlapse App (Instagram), create TWO videos, one for each leg of the right triangle, showing how many “Smoots” it would take to get from classroom to the other. (Be sure to lay down, end to end).

**5)** NOW THE MATH PART!!! (a.k.a Not fun?! Hmmm….) Take your videos and use iMovie if needed to adjust the speed

**Final Product:**

Your final video (comprised of several smaller videos) should be located in Explain Everything:

· The first part of your video should introduce what you are trying to find. (See objective) This is where you could show pictures on the Blake map of the two rooms you chose.

· The second part should show your “Smoot”ing measurements of the legs (this should be your two separate from part 4 (aka THE FUN STUFF!!)

· The third part of your video should be your explanation of how you found the distance from classroom to the other (if the walls didn’t exist.) This might be a voiceover with writing, or a separate video of you explaining on a whiteboard, or something else you can think of….be creative!)

· ADD your own #SALUTETOSMOOT

\*\*Be sure at some point to have drawn the path over the map from one classroom to the other, have pictures of both your starting and ending classrooms, EXPLAIN using the Pythagorean Theorem what you have found.

Save your final product as “Salute to Smoot” and upload as “Project” to your Google Drive folder (and be sure to share with all of your group members and TechMonstah dhorvath@email.medfield.net)