

Dr. V's 630's Science Weekly Summary

Week of December 4th 2017

Monday December 4th: Students began their 2 week units on Seasons, Phases of the moon and Eclipses. Today students were introduced to the rotation and revolution of the earth. Students used models of the Earth to match rotation with what students knew about difference in time zones - California is 3 hours behind Massachusetts. Students received a paper handout to demonstrate their understanding of day vs night and how they would draw this with labels.

Tuesday December 5th: Early release : Weather Vocabulary Quiz - There was a technical issue with two classes that were unable to take the quiz. The students will receive their quiz grades back, however I will treat this quiz as a practice quiz as we will add more terms when we continue our weather unit in two weeks. My apologies for the issues experienced yesterday when I was away.

Wednesday December 6th: Seasons Day 2 - Students worked on sharing their views of the suns from earth during different times of the year. Students received a new handout and worked with a hands on model of the atmosphere where they drew their predicted path and then watched a segment from the World Wide Telescope.

Thursday December 7th: Students worked on the Day 3 side of their handout while viewing a segment of the world wide telescope. The sun rise, peak sun angle and the sun set from Boston were examined and the data was recorded on their sheets. Students completed the second side of the Day 2-3 :Apparent path of the sun in the sky.

Friday December 8th:

Student use sensors and a half sky tracker marked with 90, 60, 30 and 10 degree angles to investigate the intensity of the sun when it hits the earth. Students were given a ruler with a flashlight attached to the end (this was the sun in our model). Students filled in the data table on the Day 4 :Sun-Angle and Energy hanout. Students noticed that the intensity of the sun's light changed at different angles.