

Dr. V's 630's Science Weekly Summary  
Week of February 26th 2018

**Monday Feb 26th:** Students were given 5 minutes to review their cell notes: I then asked them to recall both the 6 characteristics of living things as well as the 3 parts of the cell theory. Students were asked to notice if they could remember the 6 Characteristics of living things as well as they had on the Thursday before break. Many noticed that they could not, we talked about why briefly and I encouraged students to see if perhaps they could think of something that might work to help them. Students were then given a reading assignment on Prokaryotic and Eukaryotic cells - students were instructed to read then highlight the important parts of the page. When they were done I asked students to transfer the important similarities and difference to their "Cell Notes" that we started before break.

**Tuesday Feb 27th:** Shorter classes due to New England Math League Challenge  
Students were shown part of the Amoeba sisters video on the links page of my website to help reinforce what the students read yesterday about Prokaryotes and Eukaryotes. Students were also shown the Venn Diagram template available in the About section of GC. We made a copy of the template and filled in the Venn Diagram for Prokaryotes and Eukaryotes.  
Students were then given a new GC assignment to fill out as they explored the 6 Kingdom classification system for living things.  
We also talked about the three terms students did not know yet - autotrophs (organisms that make their own food), heterotrophs (organisms that relies on other organism for food) and homeostasis (keeping the internal conditions of the cell stable).

**Wednesday Feb 28th:** Students confirmed that their Venn diagram for Prokaryotic and Eukaryotic cells. We also discussed the 6 kingdom homework and tomorrow will learn how to remember the 6 kingdoms using our hand as a study guide. Students received a color PDF through GC on Eukaryotic cells. Students were asked to read the entire thing, carefully examining the pictures and the figure legends. On their second read, students were asked to highlight the important parts of the text, using the bold words and *italicized* words as a guide to help them.

**Thursday Mar 1st:** Students were asked to add a new section to their Cell Notes - 6 Kingdoms. We listed properties that we learned about the 6 kingdoms from the website that students visited as part of the GC assignment yesterday. We learned how to use our 5 fingers to recall the 6 kingdoms. Thumb - Green thumb - Plant kingdom; Index finger - Means #1 when extended - Archaeobacteria and eubacteria kingdom are simple and single celled; Middle finger - Longest - Animal kingdom is the largest; Ring finger - cannot touch your palm without bringing other fingers along, fun is always better with friends "Fun Guy"- Fungi kingdom; Little finger "Pinky" - Not very strong, not useful, - Protist kingdom - not animal, not plant, not fungi,  
Students then worked to finish their highlighting of the Eukaryotic cell packet and then transfer the section headings and bold words to their "Cell notes" along with the definition/meaning of these terms.

**Friday Mar 2nd:** Students started our Microviewer Investigation of Cells. Students were introduced to the microviewer, how to use it, how to handle the Slide/film and the booklets. Students received a packet to complete that includes drawings. Students were encouraged to complete the written work and the images in order then go back to add color and complete the last 6 images. This assignment will take 2 periods.