

Dr. V's 630's Science Weekly Summary
Week of May 28th 2018

Monday May 28th: Memorial Day Holiday

Tuesday May 29th: Students began the day making observations of their plants. Students were shown how to enter their observations into their Google Sheet. We then reviewed the names and order of the blood vessels as they leave the heart and visit the body cells then return back to the heart. We talked about the blood in the cardiovascular system and its components as well as the 3 primary parts of blood while watching a few more minutes of the video on the cardiovascular system.

Wednesday May 30th: Students enter their plant data from the last two observation days into a shared clusterwide Google Sheet shared through GC. Students were asked to enter both data for their primary plants (unique to them) as well as their wheat seed. Students that had plants that have not sprouted yet were encouraged to come before or after school to replant a new set of seeds. We continued watching our cardiovascular video today focusing on blood types. Students shared the blood type of their parents if they know this information. We also talked about the 4 primary blood types and how this related to blood transfusions and organ donations.

Thursday May 31st: Students that needed to support their growing plants were given assistance to do so. We spent the first 10 -15 minutes collecting data about student plant growth in their own Google Sheet, then students were expected to transfer this information to the shared Google Sheet we worked on yesterday. We then identified the 4 chambers of the heart while watching the cardiovascular system video. We focussed on **diffusion** and the role of **hemoglobin** in the red blood cells.

Friday June 1st: We reinforced the 4 chambers of the heart and the path blood take through them. The difference between the atria and the ventricles was discussed. Students were reminded that **aerobic respiration** in every cell of the body was the reason that we need a cardiovascular system. This system provides the oxygen that is used and removes the carbon dioxide that is made during cellular respiration. Students wrote down that the **vena cava** is the largest vein in the body and returns blood to the **right atrium**. The blood then travels to the **right ventricle** and then leaves the heart on the way to the lungs in the **pulmonary artery**. Blood returns from the lungs in the **pulmonary vein** emptying into the **left atrium**. Blood then travels to the **left ventricle** before leaving the heart in the **aorta** (largest artery in the body) to visit cells in the body while delivering oxygen and nutrients and picking up carbon dioxide and other cellular waste products. Students also learned the meaning of blood pressure and wrote down the terms **systolic** (high pressure in the arteries) and **diastolic** pressure (low pressure) in the arteries.