

2019-2020 Grade 6-8 Science Choice Board #1 (internet and device access)

- Students should choose at least **one** per day from the appropriate grade level **OR** students can design their own choice board.
- Teachers will also be providing lessons, assignments, activities that students can complete.
- Log the amount of time it took to complete the activity and have a parent/guardian sign the bottom of the form. Use the included form or create your own.
- Return the activity log to your science teacher **within 1 week** upon return to school.

SIXTH GRADE ASTRONOMY	SEVENTH GRADE CELLS AND CELLULAR PROCESSES	EIGHTH GRADE WEATHER, CLIMATE, & HUMAN IMPACT
<p>Go to https://scaleofuniverse.com/ Click START Use the slider to “zoom out” until you start to see celestial objects such as moons, planets, and stars. Make a chart showing the 10^x power that you can see different celestial objects that you are familiar with and some that you are not. Example: Pluto becomes visible at 10^{6.2}</p>	<p>Go to the Centers for Disease Control’s website and read information on how to prevent spread of the virus and how to keep safe. Create a flyer, video or some other form of communication intended for a specific audience such as family, students, elderly to inform them of the virus and how to stay safer.</p> <p>https://www.cdc.gov/coronavirus/2019-nCoV/index.html</p>	<p>CMAS PRACTICE – Question Set #2 Go to https://download.pearsonaccessnext.com/co/co-practicetest.html?links=1 Click Science Click 8th Grade Click Item Set #2 Click START as Guest</p>

<p>Go to https://www.nasa.gov/ and research one of the missions listed. Write a brief summary of the mission. Draw and label diagrams of the spacecraft, rover, etc. associated with the mission.</p>	<p>Research the different cell parts (organelles) of a eukaryotic cell. Make a chart listing the six main parts of the cell providing a description, the function, and a diagram. In addition, identify a part of a city that performs a similar function as the cell part.</p> <p>https://www.britannica.com/list/6-cell-organelles</p>	<p>CMAS PRACTICE – Question Set #3 Go to https://download.pearsonaccessnext.com/co/co-practicetest.html?links=1 Click Science Click 8th Grade Click Item Set #3 Click START as Guest</p>
<p>Download the Google Sky App on an Android or iOS device. Go outside at night and identify different constellations, celestial objects (planets), and/or man-made objects. Make a diagram of where they are located in the sky. Go outside a few hours later and find the same objects that you identified earlier and draw another diagram of the sky to reflect the motion of the objects.</p>	<p>Research the question: How does a plant get its mass?</p> <p>Use 2-3 RELIABLE sources to write an explanation on how plants get their mass. Be sure to make connections to photosynthesis.</p>	<p>Read D11's Climate Change Action Resolution adopted by the Board of Education in April 2019. Write a one-page reflection on the resolution. (https://www.d11.org/cms/lib/CO02201641/Centricity/Domain/69/31_Climate%20Change%20Action.pdf)</p>
<p>Research an astronomy-related topic of your choice and make a poster showing the information that you found. Ideas could include exoplanets, extra-terrestrial life, black holes, dark matter, dark energy, colonization of the Moon and/or Mars, life on the International Space Station, and MANY more.</p>	<p>Research photosynthesis and cellular respiration. Compare and contrast the two chemical reactions. Include the following:</p> <ul style="list-style-type: none"> • Products (what goes in) • Reactants (what comes out) • Types of organisms • Cell organelles (parts) involved 	<p>Go to PhET Simulations and load the Greenhouse Effect simulation. After spending some time learning how to navigate the simulation, design and conduct an investigation that includes a question, procedure, data collection and analysis, and a conclusion. https://phet.colorado.edu/en/simulation/legacy/greenhouse (click download)</p>

