**Fifth Grade**

**Choice Board**

A picture containing bird

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Let’s play Tic Tac Toe! Look at the science and STEM activities below and choose three activities in a straight line (across, up and down, or diagonally) to complete a tic tac toe. If you have any questions about these tasks or need any help at all, please contact me via email ***(Insert teacher email)***

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| **Classified Information**  Animals are classified based on characteristics (fur/feather, number of legs, lay eggs or live birth, etc.) that are alike or different. Find 12 pictures of animals and place them into two groups based on one characteristic. Then, break them into three groups based on a different characteristic.    S5L1.a | **Build it Up and Tear it Down!**  Look at this slideshow: [https://www.slideshare.net/](https://www.slideshare.net/MMoiraWhitehouse/weathering-erosion-and-depositioneasier)  [MMoiraWhitehouse/](https://www.slideshare.net/MMoiraWhitehouse/weathering-erosion-and-depositioneasier)  [weathering-erosion-and-depositioneasier](https://www.slideshare.net/MMoiraWhitehouse/weathering-erosion-and-depositioneasier)  Then, go out into your yard and find one example of erosion, one of deposition, and one of weathering. Draw them and explain how each surface feature was formed.  S5E1.a | **Am I Attractive?**  Gather a bunch of different types of materials: wood, plastic, glass, metal, paper, and rocks. Place a paper clip on top of one of the objects and the magnet below the object. Move the magnet around and see which materials allow the magnet’s force to travel through the material to move the paper clip.  S5P3.b |
| **How Was That Made?**  (S5E1.b)  Go to [http://www.generation genius.com/videolessons/weather-and-erosion-video-for-kids/](http://www.generationgenius.com/videolessons/weather-and-erosion-video-for-kids/)  Watch the video, and then complete the DIY activity found below the video.  S5E1.b | **Is it a Physical or Chemical Change?**  Signs of a chemical change are bubbles, gas given off, color change, chunks formed (precipitants), or a temperature change when something is not being heated or cooled. Look around your house and identify 10 chemical and 10 physical changes.  SP51.c | **How Do I Know How to**  **Do That?**  Inherited traits are physical characteristics that are passed down from a parent to an offspring, such as eye color. Acquired traits are learned behaviors, like reading and playing baseball. Make a list of 10 inherited traits and 10 acquired traits.  S5L2.a |
| **Make an Electromagnet**  Make an Electromagnet - Carnegie STEM GirlsTake a 2 foot piece of insulated wire and wrap it tightly around an iron nail, leaving about 5 inches free on either end. Use electrical tape to tape the ends of the wire to either end of a D cell battery. Once connected, try to pick up paperclips using the electromagnet. Can you make a long paper clip chain?  S5P3.a | **Cell Model**  Download Factory Free Download Image HQ PNG Image | FreePNGImgUse the organelles of a cell as jobs and apply them to a factory. Construct a 3-D model of a factory in a box. Include/label the following organelles: cell wall (outside wall) cell membrane (inside wall), cytoplasm (air), nucleus (main office), and chloroplasts (solar panels).  S5L3.b | **How Do We Stop a Flood**?  Make a model of a beach shore by using a 9 x 13 pan, sand and water. Slope the sand up towards the shore. Fill with water so that about half the sand is covered. Use your hand to create waves. See how sand is washed away? Now, try to add something that will slow the erosion of the sand.  Small Waves Icon. Cartoon Illustration Of Small Waves Vector ...  S5E1.c |