**Seventh Grade**

**Choice Board**

Let’s play Tic Tac Toe! Look at the Science 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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| **Taxonomy & Dichotomous Key**Watch the Brain Scoop video to see how scientists classify candy. <https://laughingsquid.com/scientists-attempt-to-classify-different-types-of-candy-to-help-explain-taxonomy/>Classify multiple types of candy in different piles and design a graph. S7L1a Classification | **Food Webs/Food Chains**Play the Study Jams! video titled “Food Webs” and then test yourself with the seven questions. How many did you get correct? <http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-webs.htm>S7L4a, b, c Ecology | **Human Body Systems Working Together**Click on the Science Net Links link below. Discover how the body systems work together by playing the game. Answer the questions on a sheet of paper. <http://sciencenetlinks.com/media/filer/2011/11/11/all-systems-go.pdf>S7L2c Human Body |
| **Homeostasis** Read the article and watch the two video clips. <https://www.ck12.org/biology/homeostasis/lesson/Homeostasis-BIO/?referrer=concept_details>List the ways a snake bite causes homeostasis to be out of balance in the scientist's body. S7L2b, c Human Body | **Natural Selection- Beaks**Use the Science Friday link below to design and test your own bird beak. Discover how a bird’s beak has adapted over time. <https://www.sciencefriday.com/educational-resources/a-new-beak-evolution-lab/>S7L5b Natural Selection | **Self-Sustaining Ecosystem**Build your own ecosystem while finding the balance between the water cycle, nitrogen cycle and the carbon cycle. <http://spikesworld.spike-jamie.com/science/ecology/c241-02-terrarium.html>S7L4b, c Ecology |
| **Genetic Modification in Plants**How do genetics play a role in making our plants, or the foods we eat, “better”? Watch the video.<https://youtu.be/rx953M-tpp4>Can you think of any foods that we eat that are genetically modified? Skim through the foods on this link. <http://www.pbs.org/wgbh/harvest/coming/coming_lo.html> Pick one food listed and research more on how and why that food is genetically modified. S7L5c Genetics  | **Cell Division In Cancer Cells**How does the process of cell division affect cancer cells? Watch the video from Mr. Anderson. Take some doodle notes as you listen to Mr. Anderson.[**https://www.youtube.com/watch?feature=player\_embedded&v=LEpTTolebqo**](https://www.youtube.com/watch?feature=player_embedded&v=LEpTTolebqo)Next, watch the video called, “How do Cancer Cells Act Differently from Normal Cells?”<https://www.youtube.com/watch?v=BmFEoCFDi-w&feature=youtu.be>Answer the question, “Why don't cancer cells just die off?”S7L2 Cell Processes | **Build A Microscope with water**Use the link below to build a microscope using water droplets. Discover new things as you magnify objects.<https://raisinglifelonglearners.com/easy-homemade-microscope/>S7L1 & 2 Tools of A Scientist- Cells |