

Grade 5

Distance Learning Module 2: Week of: April 6-April 9

**Science: Grade 5 - Modified from [Unit #3 - Ecosystem Sustainability](#)**

***Food Webs/Cycle of Matter***

**Targeted Goals from Stage 1: Desired Results**

**Content Knowledge:** Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.

**Vocabulary:** matter, ecosystems, organism, population, biotic factor, abiotic factor, food chain, producer, consumer, herbivore, carnivore, omnivore, food web, predator, prey, decomposer,

**Skills:**

Creating a model that demonstrates understanding of the flow of energy in an ecosystem

**Expectation:**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Today you will identify components of the energy pyramid on BrainPop.	Watch this video: Energy Pyramid Brain Pop After watching the video, take the BrainPop quiz. Choose the “graded” option to see your results!	
Tuesday: Today you will identify how energy flows through an ecosystem. You will also identify producers and first, second, and third order heterotrophs.	Go to: Virtual Energy Lab Before you start the activity, be sure to read “How does energy flow through an ecosystem?” You will find the directions under “Procedure” at the end of the reading. <b>Select 1 Ecosystem to complete the lab.</b>	
Wednesday: Today you will identify producers and first,	Go to: Virtual Energy Lab Before you start the activity, be sure to read	Upload 1 image of a completed ecosystem to google classroom

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second, and third order heterotrophs.	“How does energy flow through an ecosystem?” You will find the directions under “Procedure” at the end of the reading. <b>Select a <i>different</i> Ecosystem from yesterday to complete the lab.</b>	How to upload an image onto Google Classroom
<p>Thursday: Today you will begin an energy pyramid for a Great White Shark. You will trace its energy all the way back to the producers.</p> <p>Be prepared to research/discover what the animal(s) eat.</p>	<p>Refer to this example using a Polar Bear to guide you. Food Pyramid Exemplar</p> <p>Complete an energy pyramid for a Great White Shark on a piece of blank paper. Be sure to :</p> <ul style="list-style-type: none"> <li>- Draw the “pyramid” (large triangle)</li> <li>- Identify and label producers</li> <li>- Identify and label primary consumers</li> <li>- Identify and label secondary consumers</li> <li>- Identify and label the tertiary consumer (apex predator)</li> </ul>	<p>Upload 1 image of your completed shark energy pyramid to google classroom How to upload an image onto Google Classroom</p> <p>You can submit on Monday if you need time</p>

GOOD FRIDAY - NO SCHOOL

**Week criteria for success** (attach student checklists or rubrics):

Students will be able to demonstrate their understanding of how energy moves through an ecosystem by creating an energy pyramid

**Supportive resources and tutorials for the week** (plans for re-teaching):

Flocabulary

BrainPop Energy Pyramid (Username- Password: located in Google classroom)

Khan Academy Flow of Energy and Matter Through Ecosystems