Learning Target: I can create a model of a food chain/web with four trophic levels including labels for the levels and arrows for the direction energy transfer.

Create Your Own Food Chain

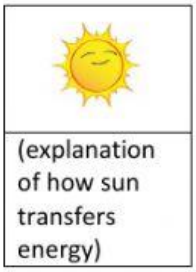
Purpose: The purpose of this activity is for you to create your own food chain from yarn, paper, and tape to demonstrate your knowledge of energy transfers in a food chain.

Materials:

-Yarn -Computer paper -Scissors - pencil - Markers/Color pencils/Crayons

Procedure:

1. You will be in groups of 2. Draw the sun on one side of the computer paper. Provide a written explanation of how it transfers energy on the back side of the paper.



(explanation of how sun transfers energy)

2. Draw grass, a tree, a bush... on another piece of computer paper.

3. Write what percentage of energy it carries in a food chain. Provide a written explanation of what type of organism the plant is (producer, consumer, herbivore, omnivore, etc...) and how it uses and transfers energy.
4. Draw a picture of four consumers that would complete the food chain. On each picture write what percent of energy is transferred to them and how do they receive their energy.

For example, what would eat the grass? _____

What would eat the organism that ate the grass? _____

What would eat that organism? _____

What would eat that organism? _____

5. Fold your 6 paper drawings and staple them at the bottom.

6. Now put your 6 paper drawings in correct order on your piece of yarn. Use the tape to attach your yarn from one end of the class wall to the other end.

7. Your group will have 2 minutes to explain how energy is being transferred in your food chain.

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