

Creating a Machine for Harvesting Timber

Subject(s): Science

Grade Level: K-3rd

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Elementary

Time required: 60 minutes

Lesson Objectives:

To use what is known about timber harvesting to design a new piece of machinery to help loggers

Materials Needed:

Large pieces of construction paper, lined writing paper, drawing paper, pencils, and crayons, *Amazing Machines of the Forest Product Industry* video from the Idaho Forest Products Commission.

Outline of Activities:

1. View video and review what students have learned about the use of machinery in harvesting trees.
2. The students will “create” a new piece of machinery that could be used for logging.
3. The students will tell their classmates about their machines.

Time Required: 60 minutes

Procedure:

If you could invent a piece of machinery for harvesting timber what would it be and how would it work? Write about your machine on the lined paper. Tell what your machine does, and give it a name. Then use your crayons to draw a picture of your machine on a piece of drawing paper. When you are finished, glue your picture on the top half of your construction paper and your writing to the bottom half. We will share our creations when we are all finished.

Discussion:

1. Did any of us have the same ideas about what our machines would do?
2. Do you think any of our machines could really work?
3. Do you think you would like to be a logger?