



## LESSON PLAN

**Subject:** Physical Science

**Lesson:** Forces and Motion

**Standards Addressed:**

- 1.P.1. Understand how forces (pushes and pulls) affect the motion of an object.

**Objectives:**

- Students will be able to recognize how unseen forces can set an object into motion.
- Students will differentiate between push and pull forces and identify the forces at play.
- Students will know how the size of the change in motion of an object is based on the amount of force applied to the object.

**Materials Needed:**

- Device for showing *Riving and Turning*
- “Forces and Motion” activity sheet.
- Modeling clay or play dough

**Outline:**

- Prior to this lesson students should know that a force is a push or pull that can change the motion or direction of an object.
- Show the video.
- Discuss the activity prompt.
- Students finish the activity independently or with a partner.

**Take It Further:** Students can experiment at home or in the class room with magnets to see how unseen magnetic force can push the magnets away from each other or pull them together.





## Forces and Motion

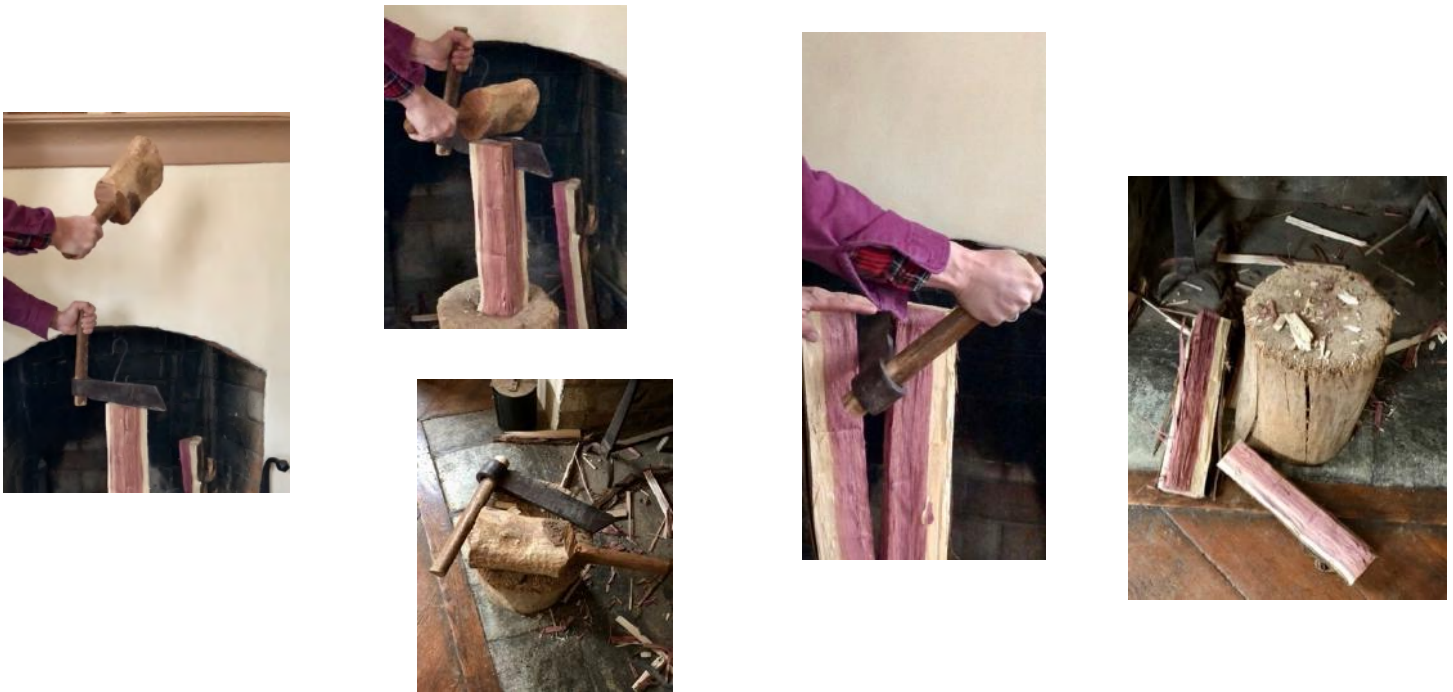
Grade 1 Science

Name: \_\_\_\_\_

Date: \_\_\_\_\_

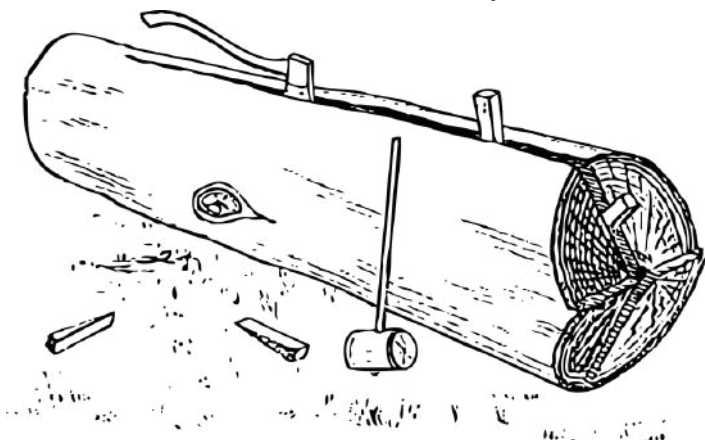
### Activity 1:

In the video joiner Ben was using tools called a froe and maul to help him split the wood. Circle the pictures where a force has been applied.



### Activity 2:

Split the log yourself! Make a log with play dough, use your fist as the maul and a plastic knife as the froe. Use the same forces that you watched in the video.

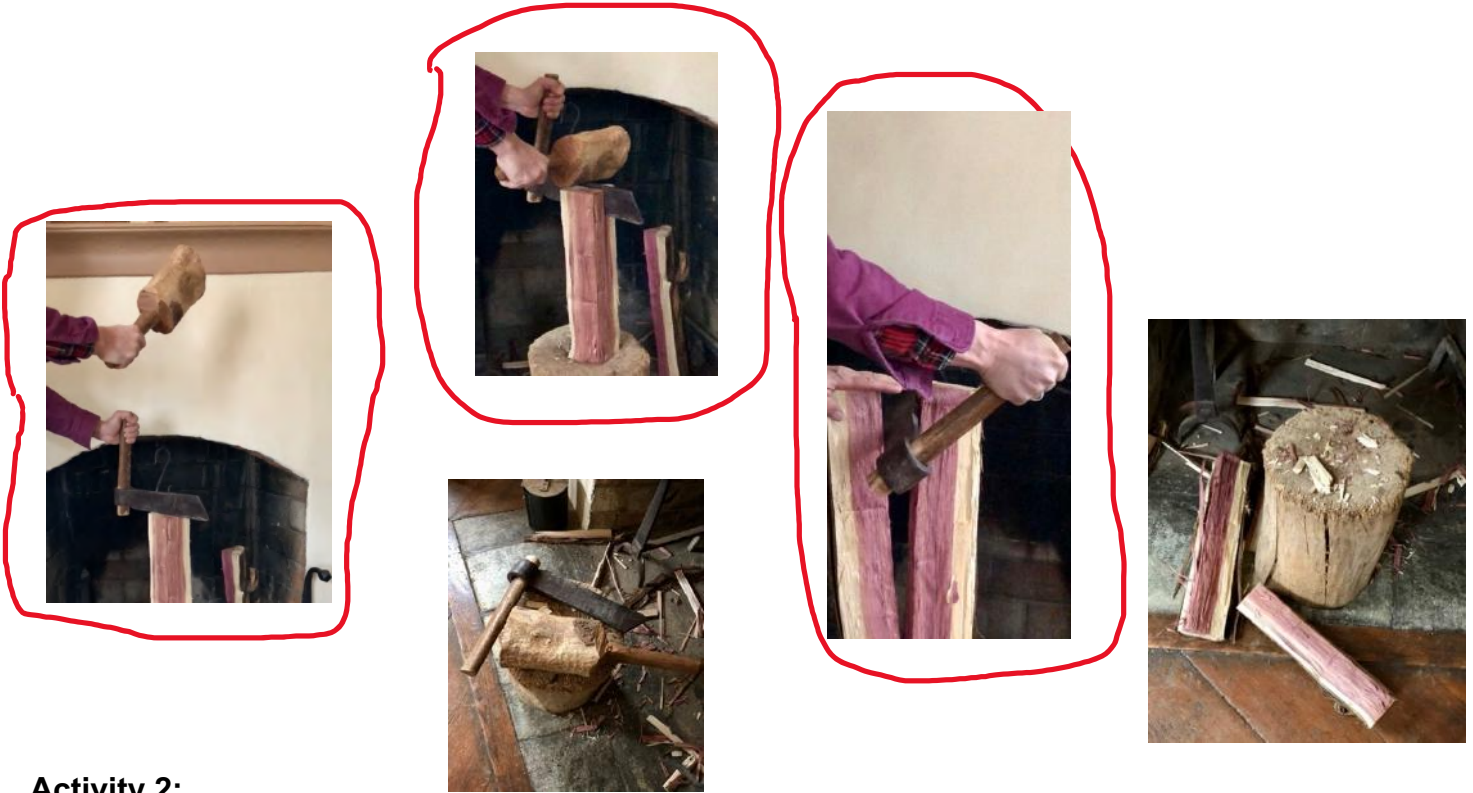


# Forces and Motion

## ANSWER KEY

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