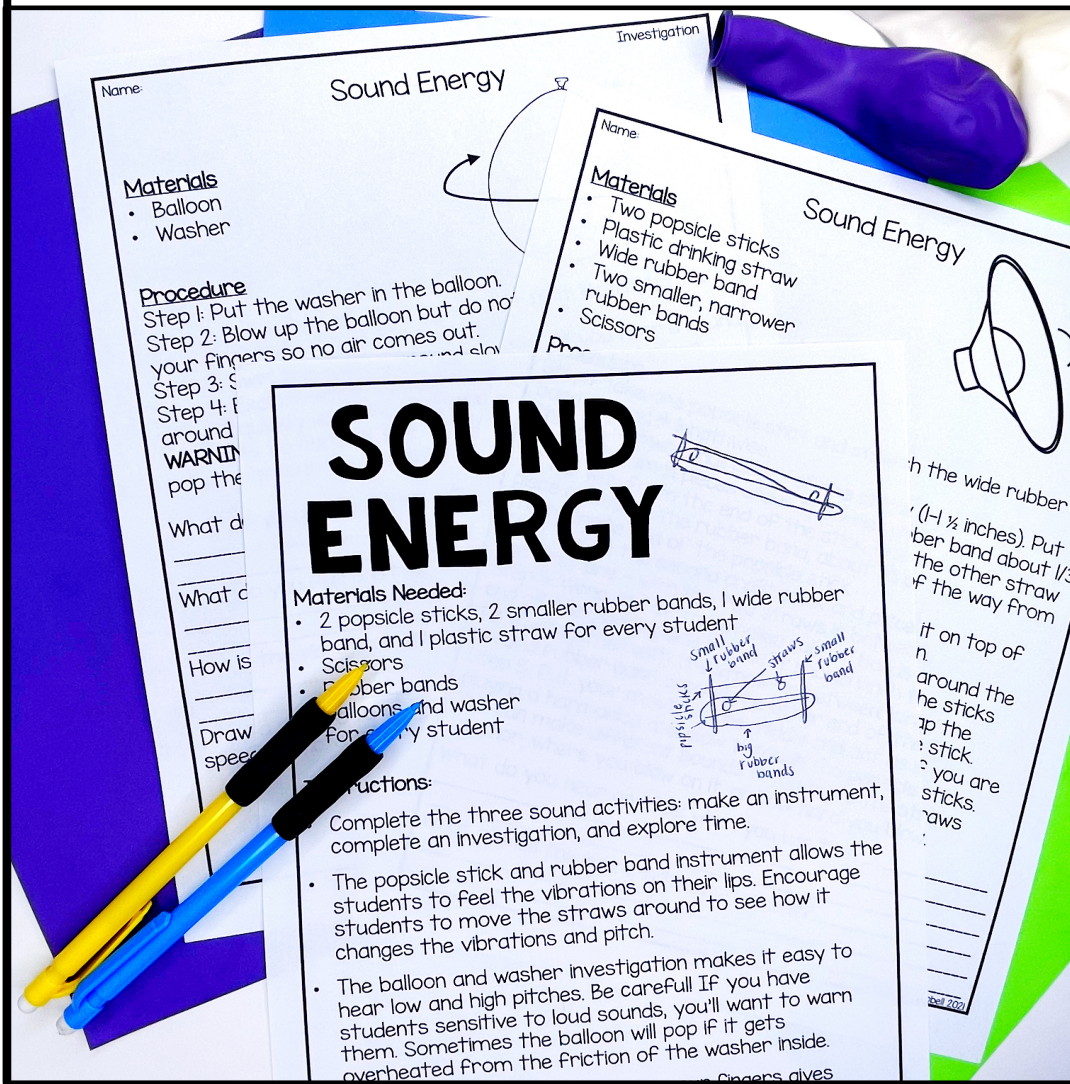


# Struggling to find a hands-on way to teach sound energy?



Don't spend any more time planning, searching, or brainstorming. Everything you need is in this easy to use download!



# Sound Energy

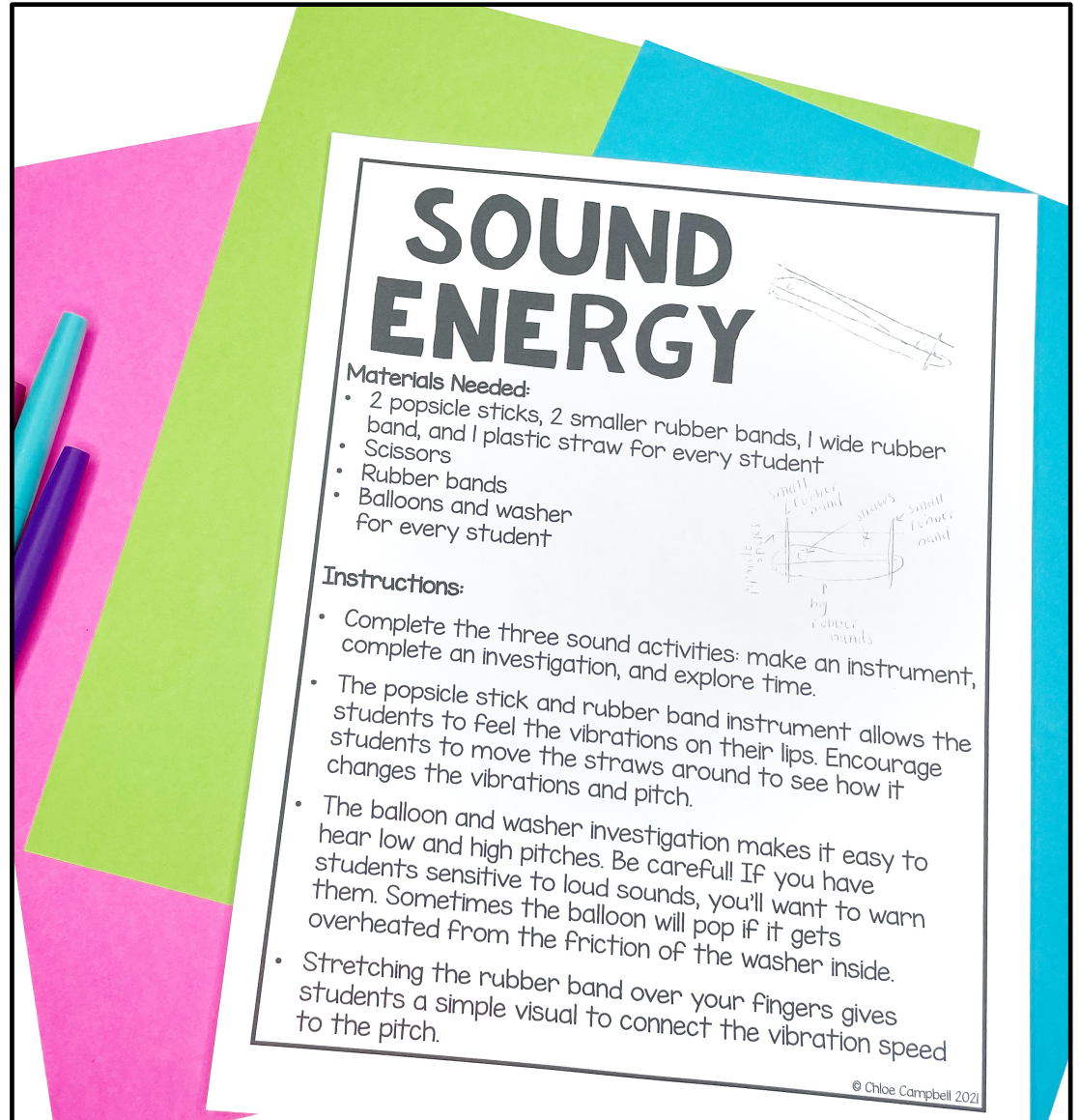
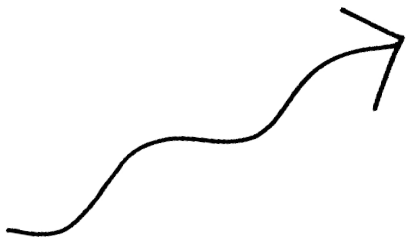
## Includes:

- Teacher Directions
- Create an Instrument Directions
- Sound Energy Investigation
- Sound Waves and Pitch Exploration Activity
- 2 Exit Slip Options Available
- Mastery Tracking Sheet
- Answer Keys



# Teacher Directions Pages

- Learning Goals
- Materials Needed
- Specific Directions for All Parts of Lesson

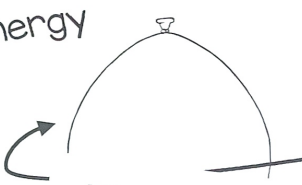




# Hands-On Investigations

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

## Sound Energy



**Materials**

- Balloon
- Washer

**Procedure**

Step 1: Put the washer in the ball

Step 2: Blow up the balloon but your fingers so no air comes out

Step 3: Swirl the balloon around

Step 4: Explore what happens around quickly with the washer

**WARNING:** Be careful! The washer can pop the balloon if the washer is too close.

What do you feel and hear?

\_\_\_\_\_

What do you feel and hear?

\_\_\_\_\_

How is the vibration changing?

\_\_\_\_\_

Draw a picture to represent the speed of vibration?

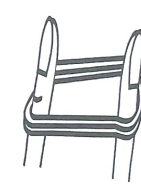
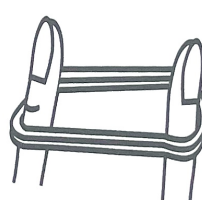
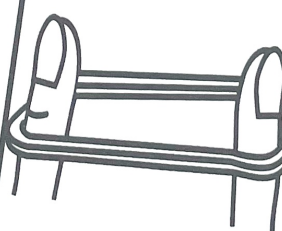
\_\_\_\_\_

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

## Sound Energy

What happens when pluck a rubber band?

Explore

Investigation	Observations	Sound Waves & Pitch
		
		
		

Based on \_\_\_\_\_

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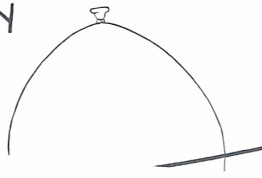


# Engaging Activities

Investigation

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

## Sound Energy



### Materials

- Balloon
- Washer

### Procedure

Step 1: Put the washer in the ball  
Step 2: Blow up the balloon but  
your fingers so no air comes o  
Step 3: Swirl the balloon aroun  
Step 4: Explore what happens  
around quickly with the wash  
WARNING: Be careful! The fr

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

## Sound Energy

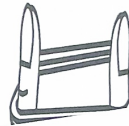
Explore

What happens when pluck a rubber band?

Investigation

Observations

Sound Waves & Pitch



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

## Sound Energy

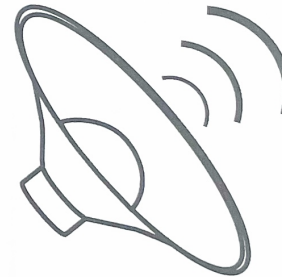
Instrument

### Materials

- Two popsicle sticks
- Plastic drinking straw
- Wide rubber band
- Two smaller, narrower rubber bands
- Scissors

### Procedure

Step 1: Take one popsicle stick and stretch the wide rubber band around it lengthwise.  
Step 2: Cut two small pieces of the straw (1-1 1/2 inches). Put one of the small pieces under the wide rubber band about 1/3 way from the end of the stick. Put the other straw under the rubber band, about 1/3 of the way from the other end of the stick.



**Exit Slip Tracking**

Date	Exit Slip Topic	Students Who Have Shown Mastery	Students Who Need Additional Review/Practice

**Sample Exit Slip 1:**

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

How does the pitch relate to the speed of vibration?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Sample Exit Slip 2:**

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

How does sound travel?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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BONUS: Includes a Mastery Checklist. You can easily keep track of students who need extra practice and students who are ready to move on to the next lesson in one easy place!