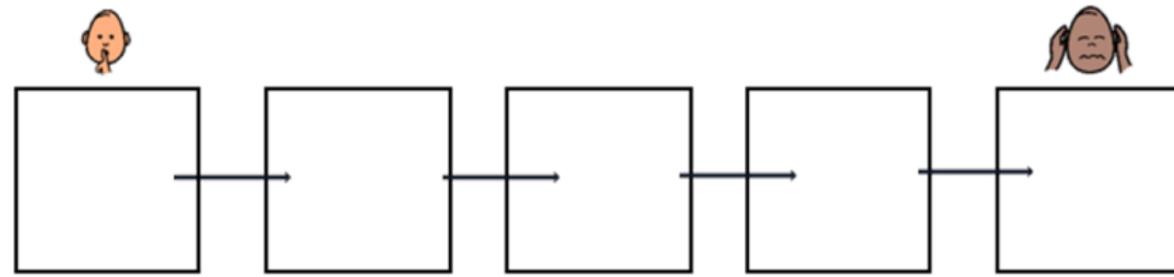
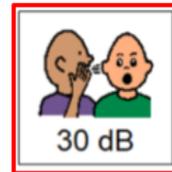
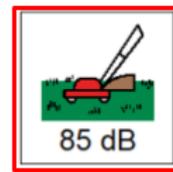
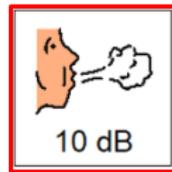
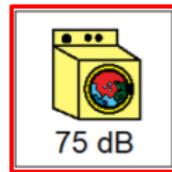
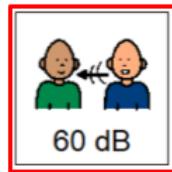


# Sound Energy DIGITAL SUPPLEMENT



Place the object below in order from lowest intensity to highest intensity.



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## with 45 Google Slides

# For Special Ed

Special Needs for Special Kids

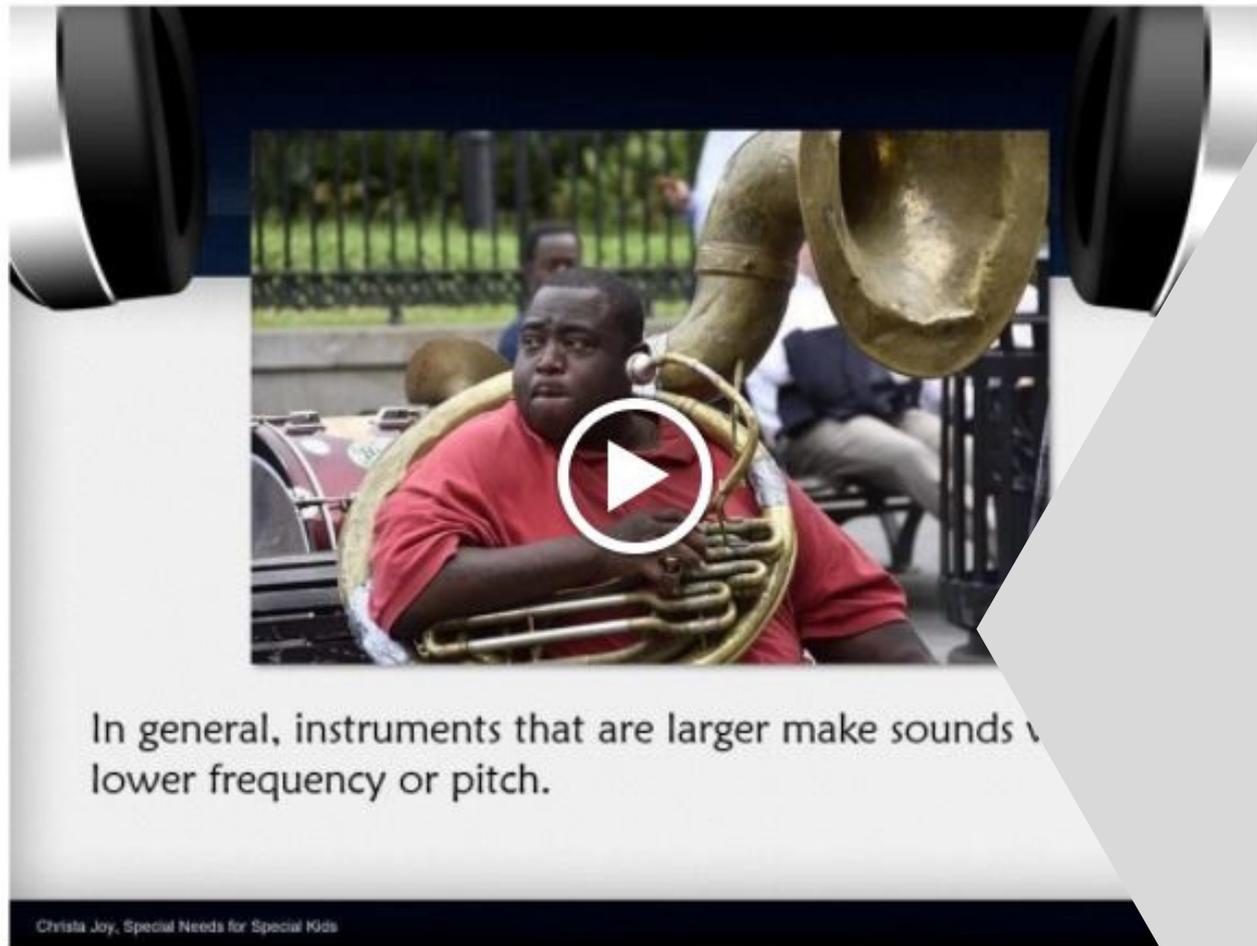




*This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, loves to rip any worksheet that comes his way AND he is able to do this unit. He is my tester!!*

*Please note: These activities are meant for people who previously purchased the original unit on Sound Energy that did not have any google slides. These activities are NOT supported with the other components found in my complete unit. There are a total of 45 slides (including the differentiated versions.)*

Watch the  
movie on  
sound energy



There is an mp4 version  
of the book which you can  
play in google or assign  
for students to watch and  
listen to in google  
classroom.

<p><b>sound</b></p> <p>Form of energy that travels through a medium.</p> 	<p><b>vibrate</b></p> <p>Molecules moving very fast.</p> 	<p><b>pitch</b></p> <p>How high or how low a note sounds.</p> 	<p><b>audible</b></p> <p>A sound most people can hear.</p> 
<p><b>longitudinal wave</b></p> <p>A wave that moves through something, pushing the molecules in the same direction it is moving.</p> 	<p><b>frequency</b></p> <p>How many vibrations occur in one second.</p> 	<p><b>ultrasounds</b></p> <p>Sound waves with too high a frequency for people to hear; can be heard by some animals.</p> 	<p><b>amplitude</b></p> <p>Maximum height of a sound wave.</p> 

Match each picture with the definition above.



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There are vocabulary drag and drop activities to get more practice with some of the new words in this unit.

<p>sound</p> 	<p>vibrate</p> 	<p>pitch</p> 	<p>audible</p> 
<p>longitudinal wave</p> 	<p>frequency</p> 	<p>ultrasounds</p> 	<p>amplitude</p> 

Match each definition with the picture above.

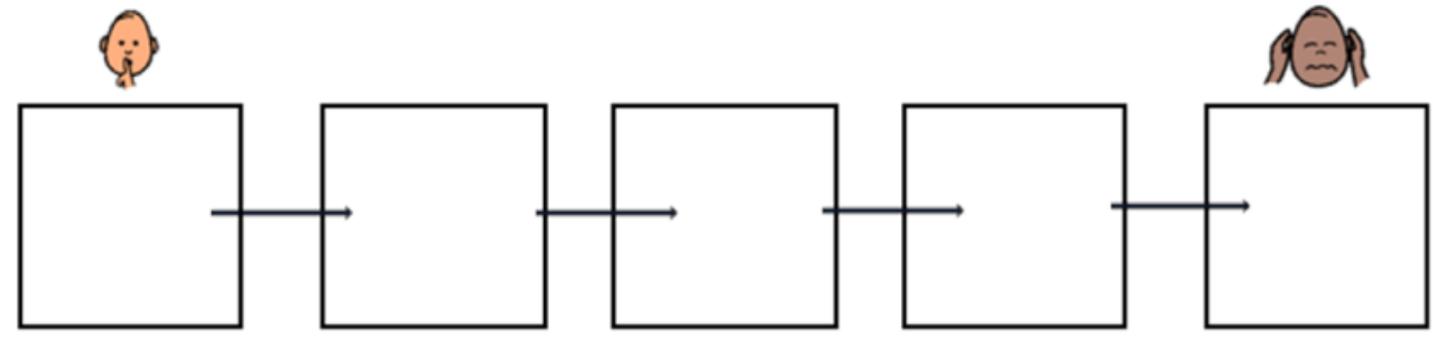
Form of energy that travels through a medium.	A wave that moves through something, pushing the molecules in the same direction it is moving.	How many vibrations occur in one second.	Molecules moving very fast.
Maximum height of a sound wave.	A sound most people can hear.	How high or how low a note sounds.	Sound waves with too high a frequency for people to hear; can be heard by some animals.

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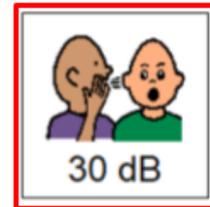
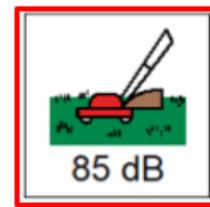
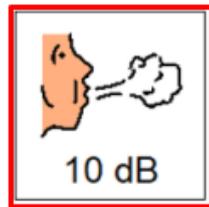
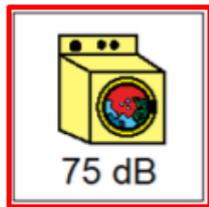
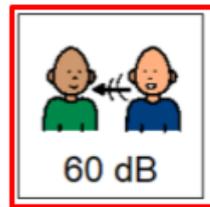
Students match either pictures or definitions. The differentiated versions have color coding added.



There is a drag and drop version of the circle map in this unit. The differentiated version (shown here) only includes correct answers.

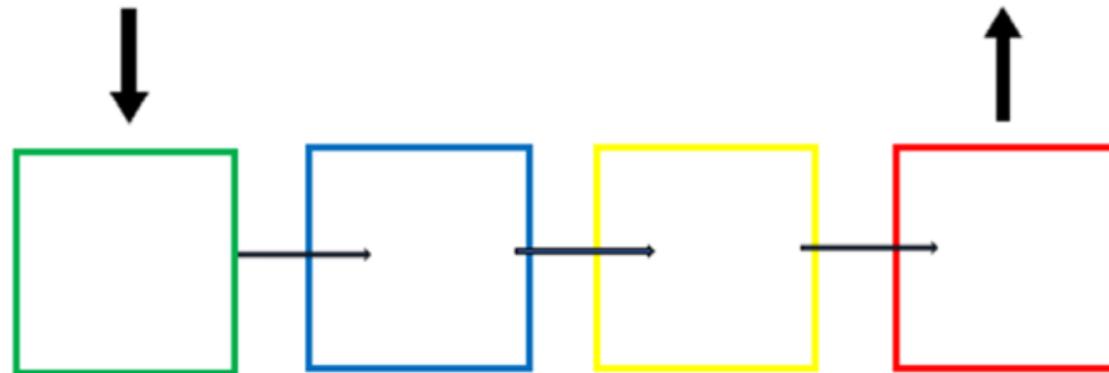


Place the object below in order from lowest intensity to highest intensity.



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There are 4 sequencing activities included. 3 sequence sounds based on intensity. The differentiated version use color-coding.

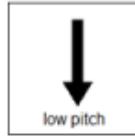
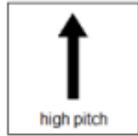


Place the bells below in order from lowest pitch to highest pitch.



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The last sequencing activity puts the bells in order from lowest to highest pitch. This is the color-coded version.



Sort pictures into correct column on previous page depending on the **pitch** they make. If you are not sure, place it on the middle line.



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There are 3 sorting activities included as a digital activity. The differentiated form uses color-coding.

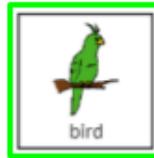


low intensity



high intensity

Imagine you are standing the same distance away from each of these objects as they are played. Sort pictures into correct column on previous page depending on the **intensity** they have. If you are not sure, place on the middle line.



bird



explode



fireworks



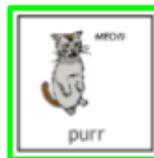
hum



fire truck



cricket



purr



jet



concert

The differentiated forms use color coding for more support.

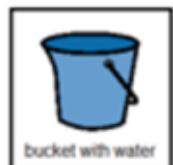
# Sound Energy Experiment #1

## Sound in water

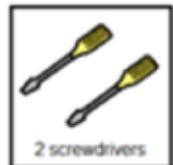
People on my team:

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Materials needed:



bucket with water



2 screwdrivers



plastic bottle  
cut in half

Type the team members in the boxes.  
Check off each item as you collect it.



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Both experiments included in this unit have digital versions of the worksheets for students to fill out and record their results.

## Sound Energy Experiment #1

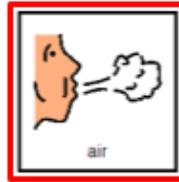
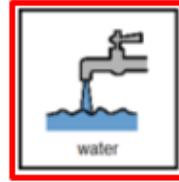
### Sound in water

My hypothesis

I think the sound will be **louder** in the .

I think the sound will be **quieter** in the .

Choose from the pictures below to complete your hypothesis.



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Using a template,  
students will formulate  
their own hypothesis.

# Sound Energy Experiment #1

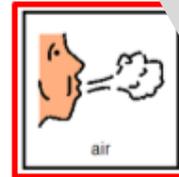
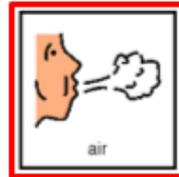
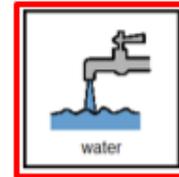
## Sound in water

Testing my hypothesis:

	Prediction	Result
loudest		
quietest		

Fill in the chart.

- What did you predict in your hypothesis?
- What was the actual result?



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Using a template,  
students will collect and  
record their data.

# Sound Energy Experiment #1

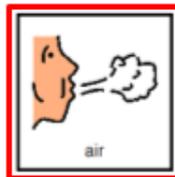
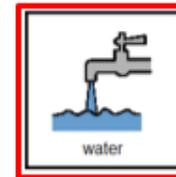
## Sound in water

### What I learned

Sound travels **better** in  than in .

Sounds are **louder** in  than in .

Choose from the pictures below to complete each sentence about what you saw and learned.



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Using a template, students will review what they have learned and revisit their hypothesis.

# Sound Energy

		 intensity	
	 sound		 pitch
	 vibrate	 sound	 intensity
 sound			 vibrate

Use the pictures to complete the Sudoku puzzle.

 sound	 vibrate	 vibrate
 pitch	 pitch	 pitch
 intensity	 intensity	

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There is a Sudoku puzzle for students to complete to get more practice with the vocabulary. The differentiated version uses color-coding.

## Sound Energy

1. Sound travels in

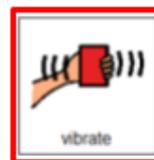
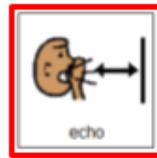
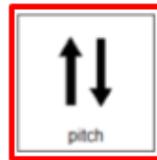
2. The sound waves cause the molecules to

3. If the vibration bounces off a surface, it creates an

4.  use echoes to keep from running into things at night.

5. A flute has a higher  than a tuba.

Use the pictures to correctly complete each sentence.



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The fill in the blank worksheets also come in digital forms. These are a great review before the assessment.

## Sound energy

6. The intensity of a sound  as you move away.

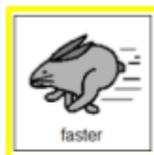
7. Sounds moves through water  than through air.

8. There is no sound in .

9. Sounds most people can hear are in the  range.

10.  are one animal that can hear ultrasounds.

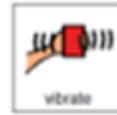
Use the pictures to correctly complete each sentence.



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The differentiated versions use color-coding for more support. These also work great as answer keys!!

1. Sound travels through a solid, liquid, or gas when the molecules:



2. Sounds travels the **fastest** in:



3. Sound travels in:



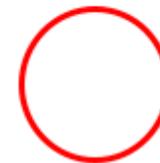
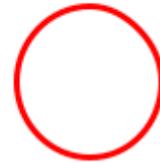
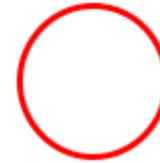
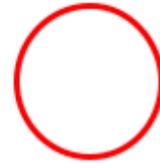
4. This is how high or low a sound is:



5. This is how loud or quiet a sound is:



Circle the correct answer.



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The digital version of the assessment looks like this. There is a differentiated version where the correct answers are already circled with a dashed line.

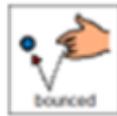
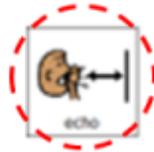
6. Sound is measured in:



7. Sounds we can hear are in this range:



8. When a sound reflects off a smooth surface, what is it called?



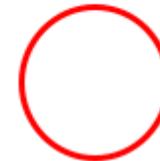
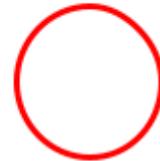
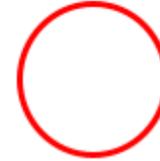
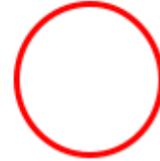
9. Which instrument would have the lowest pitch?



10. True or False. Ships can use sound waves to determine how deep the water is using sonar.



Circle the correct answer.



This is how the differentiated assessment looks. The assessment contains 10 questions total.

*If you need to have the print version that goes along with this, you can get the print and digital version in a bundle and save 20%. Just look below this listing. It will show you the bundle it is included in.*