

**Subject Area:** Science  
**Unit Title:** Introduction to Sound and Hearing  
**Grade Level:** 2  
**Lesson Number:** 1 of 10

**Duration:** 60 minutes  
**Date:** 2023-02-20  
**Teacher:** Ms. Johnson  
**Room:** 101

## Introduction

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Welcome to the Introduction to Sound and Hearing lesson plan, designed for 7-year-old students. This lesson aims to introduce the fundamental concepts of sound and hearing, exploring how sound waves are produced, transmitted, and perceived by our ears.

## Lesson Objectives

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- Identify and describe different sources of sound
- Explain the basic process of how we hear
- Demonstrate an understanding of the importance of sound and hearing in their everyday lives

## Materials Needed

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- Whiteboard and markers
- Sound sources (e.g., bell, drum, radio)
- Homemade instrument materials (e.g., beads, strings, small containers)
- Sound wave demonstration materials (e.g., slinky, spring)
- Diagrams of the ear
- Sound scavenger hunt worksheet

## Lesson Plan

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### ● Introduction (10 minutes)

- Introduce the topic of sound and hearing
- Ask students to share times when they heard their favorite song or the sound of a bird chirping
- Write down the students' responses on the board and ask them to describe how these sounds made them feel

### ● Activity 1: Sound Scavenger Hunt (20 minutes)

- Divide the class into small groups and provide each group with a sound scavenger hunt worksheet
- Ask each group to find and identify different sounds around the school or classroom
- Encourage students to record the sounds they find and describe what is making the sound

## Activity 1: Sound Scavenger Hunt

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### Instructions:

1. Divide the class into small groups of 3-4 students
2. Provide each group with a sound scavenger hunt worksheet
3. Ask each group to find and identify different sounds around the school or classroom
4. Encourage students to record the sounds they find and describe what is making the sound

## Assessment

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- Observe student participation during the activity
- Review student worksheets for completeness and accuracy

## Activity 2: Homemade Instruments

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### Instructions:

1. Provide students with materials to create their own homemade instruments
2. Demonstrate how to make a simple shaker instrument
3. Have students create their own instruments and experiment with different materials to produce various sounds

## Assessment

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- Observe student participation during the activity
- Evaluate student instruments for creativity and functionality

## Activity 3: Sound Wave Demonstration

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### Instructions:

1. Use a slinky or spring to demonstrate how sound waves travel
2. Ask students to observe how the vibrations from the slinky or spring affect the air particles around it
3. Explain how sound waves travel through the air and reach our ears

## Assessment

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- Observe student understanding during the demonstration
- Ask questions to assess student comprehension

## Conclusion

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Review the key concepts learned during the lesson. Ask students to reflect on what they learned and how they can apply it to their everyday lives.

## Assessment

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- Observe student participation during the activities
- Review student worksheets and instruments for completeness and accuracy
- Evaluate student understanding through a short quiz or class discussion

### Extension Activities

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- Create a sound museum in the classroom, where students can display their homemade instruments and share their findings from the sound scavenger hunt
- Invite a guest speaker to talk to the class about sound and hearing, such as a musician or an audiologist
- Have students design and propose a project that applies the principles of sound and hearing to solve a real-world problem or create an innovative product



## Teacher Reflection

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### Pre-Lesson Reflection:

- What challenges do I anticipate?
- Which students might need extra support?
- What backup plans should I have ready?

### Post-Lesson Reflection:

- What went well?
- What would I change?
- Next steps for instruction?

## Conclusion

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By following this lesson plan, students will gain a solid understanding of the fundamental concepts of sound and hearing. The activities and assessments are designed to engage students and promote learning.