



Loud Sounds Bookmarks

Source material by DANGEROUS DECIBELS®

Students familiarize themselves with the idea that some sounds can be too loud.

| Science Topics | Process Skills | Grade Level |
|------------------|----------------|-------------|
| Sound | Classifying | K-2 |
| Decibels | Comparing | |
| Sense of hearing | | |

| Time Required | | | |
|---------------|---------------|------------|------------|
| Preparation | Set-Up | Activity | Clean-Up |
| None | 15-20 minutes | 25 minutes | 10 minutes |

| Learning Goals |
|--|
| Students will be able to... |
| <ul style="list-style-type: none"> Understand that some sounds can lead to hearing loss Refer to a bookmark to determine loudness of common sounds |

| Materials | | |
|------------------------------------|--------------------------|------------|
| In the Kit | Not in the kit | Optional |
| Bookmarks (page 3) – 1 per student | Glue or tape scissors | Cardstock* |

* You want to print the bookmarks on to cardstock for better durability.

| Set-Up |
|--|
| Gather materials |
| Print enough bookmark pages for all students |

| Introduce the Activity |
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| Explain that students will be creating bookmarks and introduce the idea of some sounds being too loud. |

| Doing the Activity |
|---|
| Activity 1 Name |
| <ol style="list-style-type: none"> Each student will cut out the two bookmarks. Glue or tape the two bookmarks together, back-to-back. Discuss the sounds on the bookmark: <ul style="list-style-type: none"> What are some common sounds that can damage your ears? What do you think you can do to protect your ears? |

| Explanation |
|---|
| In-depth background information for teachers and interested students. |

Loud sounds (above 85 dB for 8 or more hours can damage ears.

Key Lesson Terminology

- dB – a measure of sound intensity (abbreviation for decibel)

Optional Extensions

- More information about loud sounds is in the Sound and Music lesson (middle school) and can adapted for younger students.
- See the Explore Sound website for more Dangerous Decibels activities.
- Complete the Loud Sounds coloring sheets.

Supplemental Materials

Bookmarks on following page.

