Loud Sounds Bookmarks
Source material by DANGEROUS DECIBELS®

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

<table>
<thead>
<tr>
<th>Science Topics</th>
<th>Process Skills</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound</td>
<td>Classifying</td>
<td>K-2</td>
</tr>
<tr>
<td>Decibels</td>
<td>Comparing</td>
<td></td>
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<tr>
<td>Sense of hearing</td>
<td></td>
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</tbody>
</table>

### Time Required

<table>
<thead>
<tr>
<th>Preparation</th>
<th>Set-Up</th>
<th>Activity</th>
<th>Clean-Up</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>15-20 minutes</td>
<td>25 minutes</td>
<td>10 minutes</td>
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### Learning Goals

Students will be able to...

- Understand that some sounds can lead to hearing loss
- Refer to a bookmark to determine loudness of common sounds

### Materials

<table>
<thead>
<tr>
<th>In the Kit</th>
<th>Not in the kit</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bookmarks (page 3) – 1 per student</td>
<td>Glue or tape scissors</td>
<td>Cardstock*</td>
</tr>
</tbody>
</table>

* 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

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

### Doing the Activity

#### Activity 1 Name

1. Each student will cut out the two bookmarks.
2. Glue or tape the two bookmarks together, back-to-back.
3. Discuss the sounds on the bookmark:
   - 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 be 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.