**Loud Sounds Bookmarks**

Source material by DANGEROUS DECIBELS®

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

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

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

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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 |

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

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

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

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

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| **Doing the Activity** |
| **Activity 1 Name** |
| 1. Each student will cut out the two bookmarks. |
| 1. Glue or tape the two bookmarks together, back-to-back. |
| 1. 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? |

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

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| **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. |

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| **Supplemental Materials** |
| Bookmarks on following page. |

