**Overview-Classroom Activities**

5th Grade Light & Sound



**Introduction to Sound & Light**

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| Lesson | Activities | Teaching Kit Materials |
| Teacher Lesson-Wave Exercise | Sound & Light Fact or Fake; Sound & Light Pre/Post Polls; Sound & Light Graphic Organizers; Wave Exercise | None needed |

**Sound**

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| Lesson | Activities | Teaching Kit Materials |
| Teacher Lesson-Sound Explorations | Phone Disco; Tuning Fork Explorations; Duck Call, Water Whistle; Student Labsheet | Tuning Forks (5 sets of 4), Ping-pong balls, String |
| Teacher Lesson-Sound Applications | Sound Shakers with Student Labsheet; Sit Spots Labsheet, Sound BINGO, Soundscape Communicating in the Wild | Sound Shakers (Set of 8) |

**Light**

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| Lesson | Activities | Teaching Kit Materials |
| Teacher Lesson-Light Explorations | Lunar Eclipse; Groundhog Day; Transparent/Translucent/Opaque Student Labsheet and Scavenger Hunt | Graphics-Earth, Moon, Groundhog |
| Teacher Lesson-Light Reflection | Can You See Me Now with Student Labsheet; Laser Maze Junior | Mirrors & Protractors (5 of each), String, Laser Maze Junior (5 sets) with Batteries |
| Teacher Lesson Light Refraction | Pencil in a Cup with Different Liquids; Water Drop Magnifier; Disappearing Penny; Mystery Balloon Pop, Disappearing Jelly Marbles; Spectroscope | Medicine Droppers (5), Clear & Black Balloons, Magnifying Glass (2), Jelly Marbles, Prisms (5) |

Student Worksheets, Teacher Lesson Plans and Pre/Post Polls are available at:

[www.ohioenergy.org/educators](http://www.ohioenergy.org/educators/teachers)

NEED EnergyWorks Teacher & Students Guides in PDF format are available at:

www.need.org