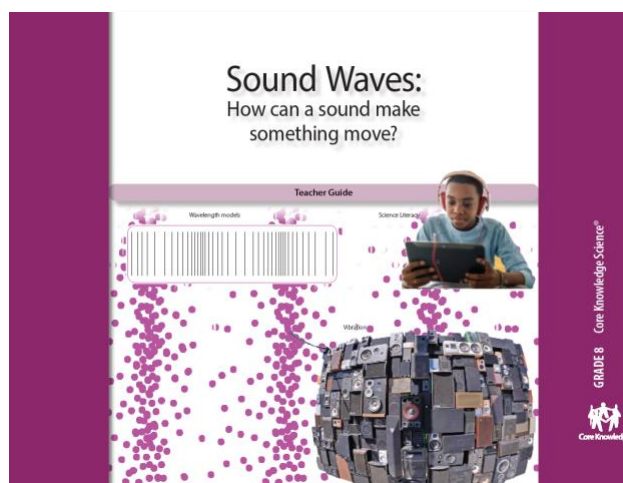


Sound Waves

Links for all online resource are in this table. Page numbers refer to pages in the Teacher Guide where the online resource is used. Some links provide access to files created by the Core Knowledge Foundation, including PDF documents that you can download and view with the appropriate software (such as [Adobe Reader](#)).



Resource Links	
1	Program-Wide Teacher Handbook: Overview of the Core Knowledge Middle School Science Program Communicating in Scientific Ways (small poster) Classroom Norms (small poster) Unit-Specific Materials Supply List: Grade 8 Unit 2 Sound Waves Pacing Guide for Grade 8 Unit 2 Sound Waves Lesson Guidance Slides: 8.2 Sound Waves Unit 8.2 Teacher Notes for Slides NGSS Standards and Dimensions
Lesson 1	
27	[VIDEO] Video of Truck Sound System Playing Music - 8.2 Sound Waves Lesson 1
Lesson 2	
51	[VIDEO] Slow-motion Guitar Strings - 8.2 Sound Waves Lesson 2 [VIDEO] Slow-motion Snare Drum - 8.2 Sound Waves Lesson 2 [VIDEO] Speaker in slow motion [VIDEO] Tuning Fork Vibrating in Slow Motion - 8.2 Sound Waves Lesson 2

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Lesson 3	
69	[VIDEO] Lab Set Up Demonstration of Setting up the Laser - 8.2 Sound Waves Lesson 3
76	[WEBLINK] Feeling the Sound speaker simulation
Lesson 4	
92	[WEBLINK] Turn It Up!
101	[VIDEO] Music Box being Played - 8.2 Sound Waves Lesson 4
Lesson 5	
106	[VIDEO] Music Box being Played - 8.2 Sound Waves Lesson 4 [VIDEO] Demonstration Motion Detector Software Set Up - 8.2 Sound Waves Lesson 4
111	[WEBLINK] Hitting the High Notes
Lesson 6	
132	[VIDEO] Slow-motion Harp - 8.2 Sound Waves Lesson 6
Lesson 8	
148	[VIDEO] Phone ringing in Vacuum Chamber - 8.2 Sound Waves Lesson 8
Lesson 10	
178	[WEBLINK] Visualizing Sound in a Medium
185	[WEBLINK] Sound Waves Through a Medium and Graph
187	[VIDEO] Video of Truck Sound System Playing Music - 8.2 Sound Waves Lesson 1
Lesson 12	
202	[VIDEO] Cochlear Animation with Narration [VIDEO] Video of Hair Cell Vibrating - 8.2 Sound Waves Lesson 12 [WEBLINK] Stereocilia Permanently Damaged Due to Sound Or https://www.youtube.com/watch?v=W6Q0Sb-msWs
205	[VIDEO] Otoscope Demonstration - 8.2 Sound Waves Lesson 12

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206	[WEBLINK] Ear Diagrams and Animations
Lesson 13	
228	[VIDEO] Lab Set Up Demonstration of Frequency vs Energy Investigation - 8.2 Sound Waves Lesson 13 [VIDEO] Lab Set Up Demonstration of Amplitude vs Energy Investigation - 8.2 Sound Waves Lesson 13
228	[VIDEO] Demonstration of a Sonic Fire Extinguisher

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