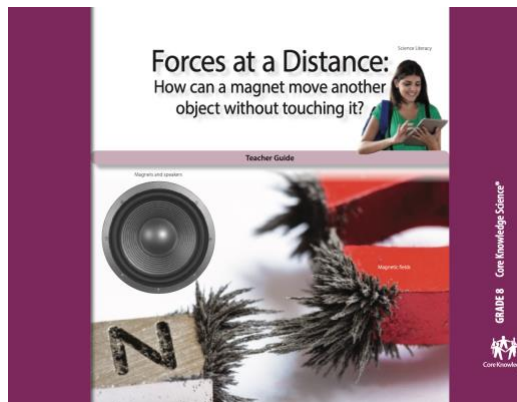


## Forces at a Distance

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	
	<a href="#">Teacher Handbook</a>
1	<a href="#">Materials Supply List: Grade 8 Unit 3 Forces at a Distance</a> <a href="#">Pacing Guide for Grade 8 Unit 3 Forces at a Distance</a> <a href="#">Lesson Guidance Slides: 8.3 Forces at a Distance</a> <a href="#">Unit 8.3 Teacher Notes for Slides</a> <a href="#">NGSS Standards and Dimensions</a>
11	[WEBLINK] <a href="#">Middle School Safety Acknowledgment Form</a>
15	[WEBLINK] Prior conceptions documented by the American Association for the Advancement of Science, Project 2061
Lesson 1	
24	[VIDEO] <a href="#">Speaker in slow motion</a> [VIDEO] <a href="#">Dissecting a Speaker - Unit 8.3 Forces at a Distance Lesson 1</a>
25	[VIDEO] <a href="#">How to Remove the Enamel from a Wire - Unit 8.3 Forces at a Distance Lesson 1</a> [VIDEO] <a href="#">Setting up the Sound Testing Station - Unit 8.3 Forces at a Distance Lesson 1</a> [WEBLINK] <a href="#">Musopen website</a> [VIDEO] <a href="#">How to Prepare to Build a Cup Speaker - Unit 8.3 Forces at a Distance Lesson 1</a>
26	[VIDEO] <a href="#">How to Build a Cup Speaker - Unit 8.3 Forces at a Distance Lesson 1</a> [WEBLINK] <a href="#">Exploratorium</a>

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Science Literacy: Reading Collection 1	
68	[WEBLINK] <a href="#">Copper's Surprising Reaction to Strong Magnets   Force Field Motion Dampening</a>
69	[WEBLINK] <a href="#">How speakers make sound</a> [VIDEO] <a href="#">How do headphones really work? (4K) - Part 1/5 - "All About Headphones"</a>
Lesson 3	
73	[VIDEO] <a href="#">Sound Source in a Vacuum Chamber - Unit 8.3 Forces at a Distance Lesson 3</a> [VIDEO] <a href="#">Setting up the Magnets &amp; Matter Investigation - Unit 8.3 Forces at a Distance Lesson 3</a>
Lesson 4	
87	[VIDEO] <a href="#">3D Magnetic Field Viewer - Unit 8.3 Forces at a Distance Lesson 4</a>
88	[WEBLINK] <a href="#">Magnet Computer Interactive</a> [VIDEO] <a href="#">How to Set up the Magnetic Field with One Magnet - Unit 8.3 Forces at a Distance Lesson 4</a>
Science Literacy: Reading Collection 2	
116	[WEBLINK] <a href="#">Web extra: International Space Station tour</a> [WEBLINK] <a href="#">How do you use the toilet in zero gravity</a>
Lesson 5	
121	[WEBLINK] <a href="#">Magnet Computer Interactive</a>
Science Literacy: Reading Collection 3	
147	[WEBLINK] <a href="#">What Causes Tides?</a> [WEBLINK] <a href="#">Earth's Magnetic Shield</a>
Lesson 8	
166	[WEBLINK] <a href="#">Turn it Up! Part 2: Loudness</a> [VIDEO] <a href="#">Volume Demonstrations with Speaker &amp; Lightbulb - Unit 8.3 Forces at a Distance Lesson 8 Day 1</a>
167	[WEBLINK] <a href="#">Turn it Up! Part 3: Pitch</a> [VIDEO] <a href="#">Frequency Demonstration with a Lightbulb - Unit 8.3 Forces at a Distance Lesson 8 Day 2</a>

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	<a href="#">[VIDEO]Frequency Demonstration with a Wire Coil and Compass - Unit 8.3 Forces at a Distance Lesson 8 Day 2</a> <a href="#">[VIDEO]Frequency Demonstration with Amplifier &amp; LED Bulb - Unit 8.3 Forces at a Distance Lesson 8 Day 2</a>
<b>191</b>	<a href="#">[WEBLINK]PhET Interactive</a>
<b>Lesson 9</b>	
<b>194</b>	<a href="#">[WEBLINK]Magnet Computer Interactive</a>
<b>208</b>	<a href="#">[WEBLINK]PhET Interactive</a>
<b>Science Literacy: Reading Collection 4</b>	
<b>214</b>	<a href="#">[VIDEO]How to Play Theremin in 6 Minutes!</a> <a href="#">[VIDEO]The Why and How to Remove Static Electricity &amp; Electrostatic Discharge (ESD) Part 1!</a>
<b>Lesson 10</b>	
<b>227</b>	<a href="#">[VIDEO]Digital Graphing Platform</a>
<b>Lesson 11</b>	
<b>232</b>	<a href="#">[WEBLINK]Magnet Computer Interactive</a>
<b>Science Literacy: Reading Collection 5</b>	
<b>302</b>	<a href="#">[VIDEO]How does an MRI machine work?</a>

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