

## Waves & Sound Unit Outline

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Lesson	Topic	Handouts	Additional Links
1	Intro to Waves	<a href="#">Wave Intro</a> <a href="#">Wave Problems</a>	<a href="#">Types of Waves</a> <a href="#">Parts of a Wave</a> <a href="#">Frequency/Period</a> <a href="#">Universal Wave Equation</a>
2	Lab: Wave Basics	<a href="#">Lab: Wave Basics</a>	
3	Speed of Sound	<a href="#">Speed of Sound Note</a> <a href="#">Speed of Sound Problems</a>	<a href="#">Speed of Sound</a> <a href="#">SONAR</a> <a href="#">Echoes</a> <a href="#">Echolocation</a> <a href="#">MACH</a>
4	Features of Sound Waves	<a href="#">Sound Waves</a>	<a href="#">Pitch</a>
5	Sound Intensity	<a href="#">Sound Intensity</a> <a href="#">Sound Intensity Problems</a>	<a href="#">Sound Intensity</a> <a href="#">Intensity &amp; Decibel Scale</a> <a href="#">Sound Intensity</a>
6	The Human Ear	<a href="#">The Ear</a>	
7	Wave Reflection & Wave Interference	<a href="#">Lab: Wave Reflection</a> <a href="#">Lab: Wave Interference</a> <a href="#">Superposition of Waves (Answers)</a>	
8	Sonic Booms Doppler Effect Beats	<a href="#">Doppler Effect</a> <a href="#">Doppler Effect Problems</a> <a href="#">Beat Frequency</a> <a href="#">Beat Frequency Problems</a>	
9	Standing Waves	<a href="#">Formation of Standing Waves</a> <a href="#">Standing Wave Problems</a> <a href="#">Mid Unit Test Review</a>	
10	Mid Unit Test		
11	Resonance Vibrating Strings	<a href="#">Resonance</a> <a href="#">Vibrating Strings</a> <a href="#">Vibrating String Problems</a>	
12	Open & Closed Air Columns	<a href="#">Closed Ended Air Columns</a> <a href="#">Open Ended Air Columns</a> <a href="#">Resonant Problems</a>	<a href="#">Standing Waves in Tubes</a>
13	Quality of Sound	<a href="#">Asmt: Quality of Sound</a>	<a href="#">Timbre</a>
14	Review	<a href="#">Sound &amp; Waves Review</a>	
15	Unit Test		

