

## Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
Science Waves	Eighth	2 <sup>nd</sup> Six Weeks	4 Weeks
<b>TEKS/Student Expectations</b>		<b>Examples/Specifications:</b>	
(7)  (A) demonstrate how unbalanced forces cause changes in the speed or direction of an object's motion; and  (B) recognize that waves are generated and can travel through different media.		7 A- Discuss laws of motion and how forces can cause changes in motion  7 B- Discuss multiple waves and how they can be generated and changed, explain how we use waves everyday- sound, light, x-rays, and sonar	
<b>Language of Instruction:</b>		<b>Instructional Resources/Textbook Correlations:</b>	
Sound	Sonic Boom	Bioluminescence	Prentice Hall Science Explorer Textbook and Guided Reading Workbook Chapter 5,6, and 7
Elasticity	Electromagnetic radiation	Transparent	
Intensity	Photon	Translucent	<b>Weblinks/Other Resources:</b>
Loudness	Electromagnetic spectrum	Focal point	
Decibels	Radio wave	Lens	
Ultrasound	Microwave	Primary color	
Infrasound	Radar	Secondary color	
Pitch	Infrared ray	Telescopes	
Doppler effect	Visible light		
Ear canal	x-ray		
Eardrum	ultraviolet ray		
Middle ear	spectroscope		
Cochlea	neon light		
Sonar			
Echolocation			
<b>Evaluation/External Assessment/Local Assessment:</b>		<b>Best Instruction Timeline:</b>	
Sonic Boom Activity Ultra sound and sonar activity Teacher Test		5 days- Forces and unbalanced forces 5 days- Characteristics of waves 5 days- Sound waves and light waves 3 days- Electromagnetic spectrum 2 days- How do we use waves everyday	

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