

Learning Tracker

Wave Unit

F = Formative

S = Summative

I can recognize that waves such as electromagnetic, sound, seismic, and water have common characteristics and unique properties			
Assignment	Learning Target	Type	Grade
Wave Introduction	I can Identify types of waves and basic characteristics	F	
Electromagnetic Wave Orientation	I can develop an understanding of basic characteristics of electromagnetic waves.	F	
Sound Demo: Trashin' the Camp	I can identify how sound waves are generated and the nature of sound waves I can identify relationships between an object's sound with its shape, size, material, and how it is played.	F	
Mary Had a Little Lamb Skill Builder	I can identify the relationship between the volume of water in a crystal wine glass and the pitch it produces I can collect evidence of how intensity, loudness, and pitch depends on the material, shape, and thickness of the instrument.	F	
Light Orientation	I can develop understanding of basic behaviors/characteristics of light	F	
Bending Light Activity Skill Builder	I can collect evidence of how light waves are refracted and reflected	F	
Refraction Demo / Reading / WS	I can develop an understanding of why refraction occurs and be able to predict the direction light waves will bend.	F	
Why Plants are Green	I can identify how absorption, reflection, and wavelength of light influence the colors we see.	F	
Unit Test	I can recognize that waves such as electromagnetic, sound, seismic, and water have common characteristics and unique properties	S	

Wave Unit Challenge

Challenge	I can design and build a house model which attempts to withstand the forces of an earthquake with the criteria appropriate for different geographic locations.	S	
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