

Lesson Title: Waves and Matter

Date/ Time Frame	10 instructional days
Type:	5E
Lesson in a Series	Unit 2: Lesson 2 of 3 Waves & Matter
Technology Integration	Zoom FlipGrid Jamboard Google Classroom BrainPOP Zingy Learning Mystery Science
NGSS Standard:	MS-PS4-2 Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.
CA ELD Standards	<p><u>Part 1.A, Collaborative,1</u>: Exchanging information and ideas with others through oral collaborative conversations on a range of social and academic contexts.</p> <p><u>Part 1.B, Interpretive,6</u>: Reading closely of informational texts and viewing multimedia to determine how meaning is conveyed explicitly and implicitly through language.</p> <p><u>Part 1.C, Productive,10</u>: Composing/writing literary and informational texts to present, describe, and explain ideas and information, using appropriate technology.</p>
Learning Intention	Students will learn how energy waves interact with different types of matter.

Success Criteria	Students will be successful when they can develop and explain a model or models of waves and their interactions with various types of matter.
Material: ()	Chromebooks Paper & Pencil Colored pencils, markers or crayons
Questions	How do energy waves interact with various types of matter? What is reflection? What is refraction? What happens when waves absorb into matter? Why is transmission of waves important? What is the Electromagnetic Spectrum?
Task - What do you want the students to do?	<ul style="list-style-type: none"> - Create and explain a model of waves and their interactions with various forms of matter. - Create posters that represent various properties of waves. - Construct a model of the EM Spectrum
CFU / Rubric	Google Form Exit Ticket Student posters of wave properties EM Spectrum Model