

COLLABORATIVE TEAM GUIDE FOR A STUDY UNIT

Purpose: Increase Student Learning & Capture Adult Learning

Team: 8th Science

INFORMATION TO BE AGREED UPON PRIOR TO TEACHING THE UNIT

Unit title & essential number: Unit 1 WAVES Essential 2	Begin date: November 7, 2022	End date: December 8-9, 2022	Number of instructional days:
CFA date (before the End date): November 7-8 (Link to CFA) Unit 1 CFA 2 23-24 CFA RRD	Date to establish inter-rater reliability: December 12-13	Date to share results & build action plan: December 12-13	Date(s) for interventions & extensions: December 15-16
<p>Essential (Standard)</p> <p>Fustin waves instructional strategies</p> <p>evidence statement</p> <p>OpenScied</p> <p>Waves unit assessment</p>	<p>Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials. (MS-PS4-2)</p> <p>I can calculate the amount of a wave transmitted through various materials. (Target 1)</p> <p>I can use a model to describe that waves are reflected and absorbed by various materials. (Target 2)</p> <p>I can make and use a model to describe that waves are reflected by various materials. (Target 3)</p> <p>I can make and use a model to describe that waves are reflected or absorbed through various materials. (Target 4)</p> <p>I can make and use a model to describe that waves are reflected, absorbed, or transmitted through various Materials. (Target 5)</p> <p>I can describe a simple model for waves. (Target 6)</p> <p>I can make and use a model to describe that waves are reflected by various materials. (Target 7)</p> <p>I can make and use a model to describe that waves are transmitted through various materials. (Target 8)</p> <p>I can use a model to describe that waves are transmitted through various materials. (Target 9)</p>		

SMART Goal	70% of students will be able to demonstrate their understanding that waves are reflected, absorbed and transmitted through materials by scoring a 75% or better
ACTION PLAN TO BE DETERMINED BY THE TEAM AFTER THE CFA	
List or link to students that need more time & support	8th Science Data
How will the support be given and what is the timeline for this support?	Students will be given support using graphic organizers, templates and one to one time or small group with teacher. Support given week following original CFA
What are the extension plans for students who are already proficient?	Tidal wave writing activity Student Choice Board
REFLECTIONS TO CAPTURE AFTER THE ACTION PLAN HAS BEEN CARRIED OUT	
What percentage of students are currently proficient?	80%
After interventions, did the team meet the SMART goal?	yes
What intervention strategies proved to be most effective?	
Capture team reflections about changes to initial instruction that need to be made in this unit or in future units & any other team learning.	<p>Be sure to review unit summative assessment to monitor progress</p> <p>Plug Cognia assessments into target statements and then those into lessons in openscienced</p> <p>Check to see if open scienced covers electromagnetic spectrum, if not how do we incorporate that into our lessons? Do we make another essential to ensure this is covered?</p> <p>Make current CFA more rigorous</p> <p>Lesson 13 is a great lesson/lab, maybe skip lesson this year(lack of time) implement next year. (students collect data, compare data and work with graphs)</p> <p>Next year, when beginning the second half of the wave unit (lesson 7) be sure to include teaching how waves are reflected, absorbed and transmitted through materials. Be sure to begin with target statements to build students up to CFA.</p> <p>When teaching how sound moves through particles of matter, teach/demonstrate how waves can be reflected, absorbed and transmitted</p> <p>How does reflection, refraction and diffraction fit into sound travel?</p> <p>Gallery walk to allow students to see other student models and compare the new models to the original model in lesson 1</p> <p>This unit was a weaker unit in comparisons with other units. Work to create a more</p>

	organized and rigorous unit
What is the plan for students who still haven't learned?	

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