

8th Grade Science Distance Learning Packet

Virtual Office Hours: 9:00 a.m.- 11:00 a.m. & 1:00 p.m.- 3:00 p.m.

May 4	May 5	May 6	May 7	May 8
<p>Standard: 8.P.3A.3</p> <p>Learning Tasks: Review the notes presented with the Assignment Choice Board. Choose and complete one assignment from the Assignment Choice Board.</p> <p>Extension Activities Study the information on this website-</p> <p>https://clarkscience8.weebly.com/behavior-of-waves.html</p>	<p>Standard: 8.P.3A.3</p> <p>Learning Tasks: Choose and complete one assignment from the Assignment Choice Board.</p> <p>Extension Activities Go to the bottom of the website and practice the wave behaviors with the different tools on the Bending Light interactive-</p> <p>https://clarkscience8.weebly.com/behavior-of-waves.html</p>	<p>Standard: 8.P.3A.3</p> <p>Learning Tasks: Choose and complete one assignment from the Assignment Choice Board.</p> <p>Extension Activities Study the images and information on the website then take the Duckster quiz.</p> <p>https://www.ducksters.com/science/physics/wave_behavior.php</p>	<p>Standard: 8.P.3A.3</p> <p>Learning Tasks: Choose and complete one assignment from the Assignment Choice Board.</p> <p>Extension Activities Play the video for Study Jams and then test yourself.</p> <p>http://studyjams.scholastic.com/studyjams/iryjams/iryjams/iryjams/iryjams/</p>	<p>Standard: 8.P.3A.3</p> <p>Learning Tasks: Use this final day to complete any of the assignments you selected this week. Make sure you have addressed the assignments completely.</p>



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Notes to help with Assignment Choice Board (May 48)

Wave Behaviors

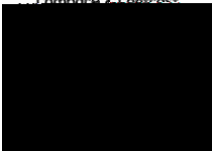
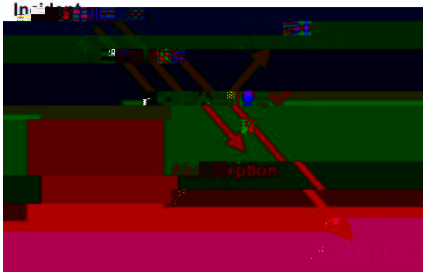
Refraction



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Assignment Choice Board for May 4th-May 8th

Instructions: This week you can choose which assignments you would like to do based on the assignment board. You can choose to complete any of the 4 assignments on the assignment board below, each assignment will be worth 25 points. Therefore, by completing the assignments, you can earn up to 100 points.

<p>Elaborate: How does each of the following show an example of how light behaves?</p> <ul style="list-style-type: none"> x Using a mirror to see the objects around you x Placing a pencil into half of a glass of water, observing that it looks broken x A flashlight shining through paper 	<p>Compare and Contrast transmission and absorption. Do a detailed compare and contrast with examples and illustrations/diagrams.</p> 
<p>Develop a conclusion: A student set up an experiment to test the temperature of different color shirts that were left out in the Sun on the sidewalk for an hour. The data is listed below. Analyze the data and then develop a conclusion (5 sentences) about how absorption affected the temperature of the shirts.</p> <p style="text-align: center;"> White Shirt Temp before 60F/Temp after 65 F Black Shirt Temp before 60F/Temp after 90F Green Shirt Temp before 60F/ Temp after 70F </p>	<p>Analyze the diagram below. Write a detailed description about how each wave (shown by an arrow) moves when it interacts with matter.</p> 
<p>Create a poster that shows real-life examples of each behavior of waves (reflection, refraction, transmission, and absorption). Describe how each picture shows the behavior.</p>	<p>Vocabulary: Create flashcards for the following words using image student-developed definitions to define the words: Reflection, Refraction, Transmission, Absorption, Translucent, Transparent, Opaque, Prism, Plane Mirror, Convex Lens</p>
<p>Assess: Develop a quiz that has 10 questions with an answer key to include multiple choice, fill-in-the blank, true/false, matching, or short answer. You can also use illustrations in your questions.)</p>	<p>Summarize the concept of Reflection. Consider how waves move in a bathtub or pool when splashing occurs. Use wave behavior to summarize what is happening to the waves as they move from one side of the bathtub (or pool) to the other side.</p>



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Choice Board for May 11th-May 15th

Students you would like to do based on the assignment board. You can choose to complete any of the assignments below, each assignment will be worth 25 points. Therefore, by completing 5 assignments, you will earn 125 points.

Compare and Contrast: Use a Venn Diagram to compare and contrast between solstice and equinox. Include examples.

Assess: Develop a quiz that has 10 questions with a variety of question types to assess your knowledge of Seasons. (The quiz can be multiple choice, fill-in-the blank, true/false, matching, or short answer. You can also use illustrations in your questions.)

Present: Choose a creative way to present at least 8 important vocabulary words (your choice) related to the notes about Seasons. You can create a game, crossword puzzle, flash cards, hangman game with clues, or a word dictionary, etc.

Argue and Defend: Your friend has just told you that the distance the Earth is from the Sun is the reason for the Seasons. Do you agree or disagree? Choose to agree or disagree and support your answer with scientific evidence. (Refer to your notes.)

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