






**Needwood Middle School**  
**2024-25**  
**Daily Agenda/Lesson Plan**

Teacher(s): Gainous/Pruitt	Date 4/7: Day 1 Lenses Notes/Practice
Standards:	S8P4g
Learning Target:	I can describe the effect of lenses on light and how I can use them in my everyday life.
Success Criteria:	<ul style="list-style-type: none"> <li>o Describe what a lens does to light</li> <li>o Identify the two types of lenses</li> <li>o Describe what effect each type of lens has on light and what they do to the size of an image</li> <li>o Define real image and virtual image</li> <li>o Identify which lens causes each type of image and where the image will appear</li> <li>o Explain what each type of lens could be used for in your life</li> </ul>
Activity(ies)/Assignment with Text and/or Links:	<p> Lenses notes 2023</p> <p>Reading Passage and Venn Diagram Practice</p> <p>This slideshow will be posted in google classroom. Students will have notes in which they must use to annotate and/or underline the most important pieces of information in the notes. You can either review the slides with them or have them do it on their own. I would recommend going over the slides with 2nd/3rd period and allowing 8th/9th to complete it on their own. For each class, annotating and underlining are mandatory.</p> <p>When students finish their notes, they must complete a reading passage on lenses along with a venn diagram. The venn diagram will have a key that they can use to complete the graphic organizer with. If students finish early, they need to work on their Unit Divider, which is the colored card stock. Students must write sentences answering the success criteria shown on the page.</p>

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Teacher(s): Gainous/Pruitt	Date 4/8: Day 2 Phet Lab Lenses
Standards:	S8P4g
Learning Target:	I can describe the effect of lenses on light and how I can use them in my everyday life.
Success Criteria:	<ul style="list-style-type: none"> <li>o Describe what a lens does to light</li> <li>o Identify the two types of lenses</li> <li>o Describe what effect each type of lens has on light and what they do to the size of an image</li> <li>o Define real image and virtual image</li> <li>o Identify which lens causes each type of image and where the image will appear</li> <li>o Explain what each type of lens could be used for in your life</li> </ul>
Activity(ies)/Assignment with Text and/or Links:	<p>  Lenses notes 2023   Phet Lab Lenses         </p> <p>Today students will be completing a phet lab. This assignment will be posted in google classroom. The link will be provided and a paper copy of the assignment will be in my classroom. Using the phet lab link, students will investigate the different types of lenses. When answering each question, please remind students that they must answer each question with a complete and full sentence. If students finish early, they need to continue working on their unit divider or finish their work from yesterday.</p> <p>*I will have a gimkit assignment posted in google classroom that they must complete by the end of the week for a grade. Students just need to log in and answer questions. (50 questions for 2nd/3rd and 75 for 8th/9th)</p>

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**2023-24**  
**Daily Agenda/Lesson Plan**

Teacher(s): Gainous/Pruitt	Date: 4/9 Day 3: Mini Research Project
Standards:	S8P4g
Learning Target:	I can describe the effect of lenses on light and how I can use them in my everyday life.
Success Criteria:	<ul style="list-style-type: none"><li>o Describe what a lens does to light</li><li>o Identify the two types of lenses</li><li>o Describe what effect each type of lens has on light and what they do to the size of an image</li><li>o Define real image and virtual image</li><li>o Identify which lens causes each type of image and where the image will appear</li><li>o Explain what each type of lens could be used for in your life</li></ul>
Activity(ies)/Assignment with Text and/or Links:	<a href="#">w Copy of Lenses Project Rubric.docx</a> Students will begin a project today on the different types of lenses. The rubric that is attached to this lesson plan will be posted in google classroom along with a template slideshow in which they record their research information.

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Teacher(s): Gainous/Pruitt	Date: 4/10 Day 4 Lenses Lab
Standards:	S8P4g
Learning Target:	I can describe the effect of lenses on light and how I can use them in my everyday life.
Success Criteria:	<ul style="list-style-type: none"> <li>o Describe what a lens does to light</li> <li>o Identify the two types of lenses</li> <li>o Describe what effect each type of lens has on light and what they do to the size of an image</li> <li>o Define real image and virtual image</li> <li>o Identify which lens causes each type of image and where the image will appear</li> <li>o Explain what each type of lens could be used for in your life</li> </ul>
Activity(ies)/Assignment with Text and/or Links:	<p>Students will observe how lenses bend light using magnifying glasses and paper</p> <p><a href="#">W</a> Copy of Lenses Project Rubric.docx</p> <p><a href="#">≡</a> Magnifying Glass Lab</p> <p>This is a lab that can be somewhat dangerous if not monitored correctly. Please allow Mrs. Walker and Mrs. Latta to guide this lesson. I am planning to have Mr. Mickey or Mr. Cannon help you in the last two class periods with this. Using magnifying glasses, students will take a piece of paper and fold it two or three times. They will then color the paper black. Using the paper and magnifying glass, take students outside using the backdoor and have them light the paper on fire. Students should focus on holding the magnifying glass at an angle to get the most focused light. Please make sure students extinguish the flame before leaving. Mrs. Pruitt will have a bucket of water for you to place the papers in. When you bring the students back in, pass out the lab paper and have them answer each question in complete sentences.</p>

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Teacher(s): Gainous/Pruitt	Date: Day 5 4/11- Quiz and Finish Work
Standards:	S8P4g
Learning Target:	I can describe the effect of lenses on light and how I can use them in my everyday life.
Success Criteria:	<ul style="list-style-type: none"> <li>o Describe what a lens does to light</li> <li>o Identify the two types of lenses</li> <li>o Describe what effect each type of lens has on light and what they do to the size of an image</li> <li>o Define real image and virtual image</li> <li>o Identify which lens causes each type of image and where the image will appear</li> <li>o Explain what each type of lens could be used for in your life</li> </ul>
Activity(ies)/Assignment with Text and/or Links:	<p>Quiz on Lenses  Finish any missing work  <a href="#">W</a> Copy of Lenses Project Rubric.docx</p> <p>Students will complete a lenses quiz in google classroom today. Make sure they do not have any notebooks on the desks and that they use the “blindners” (Folders located on the bottom on the grey bookshelf) when they are taking the quiz. When students finish the quiz, they must have each of the following assignments completed:</p> <ul style="list-style-type: none"> <li>-Notes</li> <li>-Phet Lab</li> <li>-Gimkit Assignment</li> <li>-Research Project</li> <li>-Lenses Lab</li> </ul>