

**Washington Township School District**

**STEM/Makerspace Curriculum**

<b>Grade:</b>	1	<b>Mystery Science Unit/Project Title:</b>	Light and Sounds/Lego Instrument
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<b>NJ Learning Standard(s):</b>	<ul style="list-style-type: none"> <li>• 1-PS4-1</li> <li>• 1-PS4-2</li> <li>• 1-PS4-3</li> <li>• 1-PS-4-4</li> </ul>
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<b>Objective:</b>	Student will build an instrument.
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<b>STEM/ Unit Activities</b>	Plan and make a musical instrument with Legos.
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<b>Suggested Assessments:</b>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> <li>• Journal</li> <li>• Project Rubric</li> <li>• Unit Test</li> <li>• Response sheet</li> <li>• Self-assessment</li> </ul>
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<b>Supplies Needed:</b>	Legos, other materials needed
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<b>Resources to Support Unit:</b>	Mystery Science Unit, pictures of instruments
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<b>Washington Township School District</b>	
<b>STEM/Makerspace Curriculum</b>	
<b>Grade:</b>	1
<b>Mystery Science Unit/Project Title:</b>	Lights and Sounds/Sight
<b>NJ Learning Standard(s):</b>	<ul style="list-style-type: none"> <li>• 1-PS4-1</li> <li>• 1-PS4-2</li> <li>• 1-PS4-3</li> <li>• 1-PS4-4</li> </ul>
<b>Objective:</b>	Student will make an object to shield eyes from bright light.
<b>STEM/ Unit Activities</b>	Plan and make a visor or sunglasses to shield your eyes from bright light.
<b>Suggested Assessments:</b>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> <li>• Journal</li> <li>• Project Rubric</li> <li>• Unit Test</li> <li>• Response sheet</li> <li>• Self-assessment</li> </ul>
<b>Supplies Needed:</b>	Various supplies
<b>Resources to</b>	Mystery Science Unit, books about light, websites about light

<b>Support Unit:</b>	
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<b>Washington Township School District</b>	
<b>STEM/Makerspace Curriculum</b>	

<b>Grade:</b>	1	<b>Mystery Science Unit/Project Title:</b>	Lights and Sounds/Light
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<b>NJ Learning Standard(s):</b>	<ul style="list-style-type: none"> <li>● 1-PS4-1</li> <li>● 1-PS4-2</li> <li>● 1-PS4-3</li> <li>● 1-PS4-4</li> </ul>
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<b>Objective:</b>	Student will make something that creates an interesting shadow.
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<b>STEM/ Unit Activities</b>	Plan and make something that creates an interesting shadow.
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<b>Suggested Assessments:</b>	<ul style="list-style-type: none"> <li>● Exit Ticket</li> <li>● Journal</li> <li>● Project Rubric</li> <li>● Unit Test</li> <li>● Response sheet</li> <li>● Self-assessment</li> </ul>
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<b>Supplies Needed:</b>	Drawing tools, various supplies
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<b>Resources to Support Unit:</b>	Mystery Science Unit, books about light, Brain Pop Jr., websites about shadows
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**Washington Township School District**

**STEM/Makerspace Curriculum**

<b>Grade:</b>	1	<b>Mystery Science Unit/Project Title:</b>	Light and Sound/Communication Code
<b>NJ Learning Standard(s):</b>	<ul style="list-style-type: none"> <li>• 1-PS4-4</li> <li>• K-2-ETS1-1</li> <li>• K-2-ETS1-2</li> </ul>		
<b>Objective:</b>	Student will create a device that will allow them to communicate over a distance.		
<b>STEM/ Unit Activities</b>	Plan and create a device that will allow them to communicate over a distance using either light or sound.		
<b>Suggested Assessments:</b>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> <li>• Journal</li> <li>• Project Rubric</li> <li>• Unit Test</li> <li>• Response sheet</li> <li>• Self-assessment</li> </ul>		
<b>Supplies Needed:</b>	Plastic cups, yarn, string, hole punchers, flashlights.		
<b>Resources to Support Unit:</b>	Mystery Science Unit, books about sound and communication, websites about sound and communication, videos about sound and communication, Brain Pop Jr.		

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**STEM/Makerspace Curriculum**

<b>Grade:</b>	1	<b>Mystery Science Unit/Project Title:</b>	Light and Sound/Communication Code
<b>NJ Learning Standard(s):</b>	<ul style="list-style-type: none"> <li>• 1-PS4-4</li> <li>• K-2-ETS1-1</li> <li>• K-2-ETS1-2</li> </ul>		
<b>Objective:</b>	Student will create a device that will allow them to communicate over a distance.		
<b>STEM/ Unit Activities</b>	Plan and create a device that will allow them to communicate over a distance using either light or sound.		
<b>Suggested Assessments:</b>	<ul style="list-style-type: none"> <li>• Exit Ticket</li> <li>• Journal</li> <li>• Project Rubric</li> <li>• Unit Test</li> <li>• Response sheet</li> <li>• Self-assessment</li> </ul>		
<b>Supplies Needed:</b>	Plastic cups, yarn, string, hole punchers, flashlights.		
<b>Resources to Support Unit:</b>	Mystery Science Unit, books about sound and communication, websites about sound and communication, videos about sound and communication, Brain Pop Jr.		