



Light, Color, and Their Uses

National Science Standards

Activity/Lesson	Science as Inquiry	Physical Science
1. Reflection/Plane Mirror	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. Reflection/2 Mirrors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Reflection/Double Mirrors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Making a Kaleidoscope	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Construction of a Kaleidoscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Making a Periscope	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7. Constructing a Spectroscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Exploring Diffraction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Electromagnetic Spectrum	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10. Diffraction of Light	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. Discovering Color/Prism	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12. Fabrication of a Prism	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Color Spinners	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14. Filters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Hidden Messages	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. Simple Magnifiers	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17. Focusing Light With a Lens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18. Building a Telescope	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. Building a Microscope	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20. Construction of a Microscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21. Interference Fringes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22. Polarization of Light	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



National Mathematics Standards

Activity/Lesson	Problem Solving	Communication	Connection	Computation/Estimation	Measurement
1. Reflection/Plane Mirror	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Reflection/2 Mirrors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Reflection/Double Mirrors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Making a Kaleidoscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Construction of a Kaleidoscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6. Making a Periscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Constructing a Spectroscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Exploring Diffraction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Electromagnetic Spectrum	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Diffraction of Light	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Discovering Color/Prism	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Fabrication of a Prism	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Color Spinners	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14. Filters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Hidden Messages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. Simple Magnifiers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Focusing Light With a Lens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Building a Telescope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Building a Microscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Construction of a Microscope	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21. Interference Fringes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Polarization of Light	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>