

EXPLORATION OF SIGHT AND LIGHT

5.1 Essential Question: What determines the nature of the sound that we hear and the light that we see?

5.4 Essential Question: How can we improve what we see?

Lesson	Lesson Topic	Connecticut Standard	Required for 5 th Grade
One 2 days	The Eyes and the Great Brain Connection Unitedstreaming – The Eye: The Structure and Function Video Segment (25:00)	5.2 B20 B21 B INQ 1,2,3,6	Fundamental
Two 1 day	Anatomy of the Eye	5.2 B 20 B21 B INQ 1,2,5,6,7	Fundamental
Three 2 days	How Does Your Eye Focus?	5.2 B20 B21 5.4 B25 B26 B INQ 2,3,4,5,6,9,10	Fundamental
Four 1 day	Out of Darkness: An Introduction to Light	5.1 B19 5.2 B20 B INQ 1,3,4,6	Fundamental
Five 1 day	Does Light Pass Through Objects?	5.1 B19 5.2 B20 B INQ 1,3,4	Fundamental
Six 1 day	Me and My Shadow	5.2 B20 B INQ 1,3,4,6	Fundamental
Seven 1 day	What Are They Looking At? (Measuring Angles)	5.1 B19 5.2 B20 B INQ 1,3,4,5,9,10	Fundamental
Eight 2 days	Reflection Investigation	5.1 B19 5.2 B20 B INQ 1,2,3,4,6,7	Fundamental
Nine 1 day	Learning About Lenses (Microworlds Lesson 3)	5.4 B26 B INQ1,3,4,5,6,9,10	Fundamental
Ten 2 days	Looking Through Lenses (Microworlds Lesson 4)	5.2 B20 B 21 5.4 B26 B INQ 1,3,4,5,6	Fundamental

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Eleven 1 day	Kaleidoscope	5.1 B19 5.2 B20 5.4 B26 BINQ 1,3,4,5,6,9	Elective
Twelve 1 day	Making a Periscope	5.1 B19 5.2 B20 5.4 B26 B INQ 1,3,4,5,6,9	Fundamental
Thirteen 1 day	Concave and Convex Mirrors	5.1 B19 5.2 B20 5.4 B26 BINQ1,3,4,5,6	Fundamental
Fourteen 2 days	Refraction Centers	5.1 B19 B INQ 1,3,4,5,6	Fundamental
Fifteen 2 days	Eyesight Explorations	5.1 B19 5.2 B20 5.4 B25 B INQ 1,2,5,6,7	Fundamental
Sixteen 1 day	Persistence of Vision	5.2 B20 B21 B INQ 1,3,4,5,6	Elective
Seventeen 2 days	The Camera and the Human Eye	5.2 B20 B21 5.4 B25 B INQ 1,2,3,4,6,7	Fundamental
Eighteen 1 day	UnitedStreaming: Basics of Physics: Exploring Light and Color: Electro- Magnetic Spectrum	5.1 B19 5.2 B20 B21 B INQ 1,2,4	Fundamental

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Nineteen 1 day	Homemade Spectroscope	5.1 B19 5.2 B20 B21 5.4 B26 B INQ 1,3,4,5,6	Elective
Twenty 1 day	Prism Power	5.1 B19 5.2 B20 B21 5.4 B26 B INQ 1,2,3,4,5,6	Fundamental
Twenty-one 1 day	Primary Colors of Light	5.1 B19 5.2 B20 B21 B INQ 1,3,4,5,6	Fundamental
Twenty-two 1 day	Absorption of Light and Heat	5.1 B19 B INQ 1,3,4,6	Fundamental
Twenty-three 2 days	The Magic of Light and Sound	5.1 B 17, B18,B19 5.2 B 20, 21 B INQ 1,2,6,7,8	Fundamental
Twenty-four 1 day	Sight and Light Assessment	5.1 B19 5.2 B20 B21 5.4 B26	Fundamental