

Grade K

Prism's Rainbow



Children and adults alike are typically intrigued by the bright hues and consistent pattern observed by the separation of white light into a rainbow of colors. During this series of learning experiences, students initially spend time exploring the properties of color (red, orange, yellow, green, blue, and violet) and shape (circle, rectangle, and triangle) while examining the repeating nature of patterns.

Students then apply their new experiences with properties and patterns to examine the parts of a system that are needed to see a rainbow. A source of light (such as the sun or a flashlight), an object to bend and separate the white light (such as water drops or a prism), and an optical system to receive the light (such as an eye or camera) are all required to "capture" and appreciate the beautiful colors of the rainbow.

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