

RAINBOW

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Have you ever been in awe of one of nature's most vivid marvels, the rainbow? This study is driven by the concept of it. A rainbow is created when daylight is refracted within raindrops, which reveals the full spectrum of colors. But what if architecture could seek to recreate this marvel in the same methods as nature?

First, the study analyzes how rainbows work and the various controls of the light spectrum that go along with it. Then the psychological effects of the color spectrum were analyzed along with how they could be applied in a building, Carpenter Hall. The project seeks to allow students to control the light spectrum of colors to improve the creative learning environment of Carpenter Hall. Color and light are vital elements to the health and well-being of humans in the built environment and this study seeks to reveal that connection.

