

## Lesson Plan: Illuminating Art

By Wendy Ping, June 2013

Students will learn about technology in art and lighting effects and create a black box sculpture.



### **Objectives**

Students will create a small scratch art drawing using black clear scratch paper, and as a group, they will discuss how the drawings appear differently as the instructor layers the drawings with colored paper sheets held up to a light source.

On a museum tour, students will explore and discuss a site-specific light sculpture by Leo Villareal. We'll talk about how he used technology to create changes to the surface appearance as we look at the artwork over a period of time. We'll also talk about new media artworks, weavings and paintings that focus on computer technology.

Students will have the option of creating a kaleidoscope-type "infinity box" sculpture using transparent materials, mirror paper and LED lights.

### **Vocabulary**

Illumination	LEDs
Repetition	Incandescent bulbs
Movement	Abstract
Vertical/Horizontal	Organic/Geometric

### **Materials needed**

3 volt lithium coin batteries	Scissors
Clear transparency sheets	Glue dots
Colorful transparent material (cellophane)	Double stick tape
	Stiff paper strips for creating "switch"
Metallic, fluorescent, and glitter gel pens and markers that show up well on black paper	
Black foam core, one per student pre-cut (7.5" x 9.5") and scored into (3) 7.5" x 2.5" rectangles, (1) 7" x 2" rectangle	
Stiff reflective "mirror" sheets cut into rectangles to fit inside box	
Hot glue (adult use only) for attaching batteries to frames	

### **Tour artwork images**

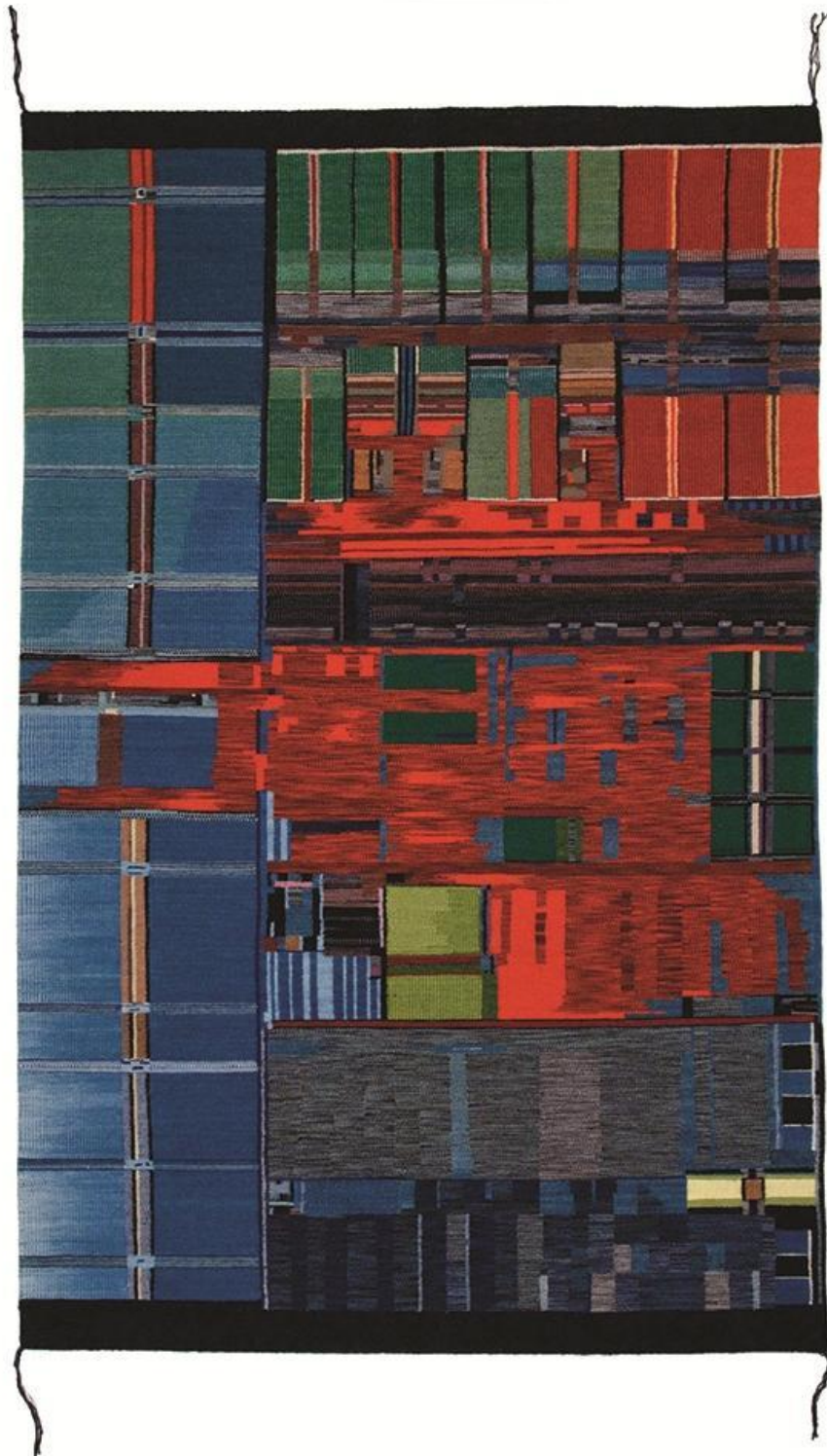


**Leo Villareal** (American, b. 1967)

*Microcosm*, 2007

White LEDs, custom software, electrical wiring and hardware

Collection Nerman Museum of Contemporary Art, 2007.71



**Marilou Schultz** (American Indian, Navajo, b. 1954)

*Untitled, 2008*

Wool

Collection Nerman Museum of Contemporary Art, 2008.14

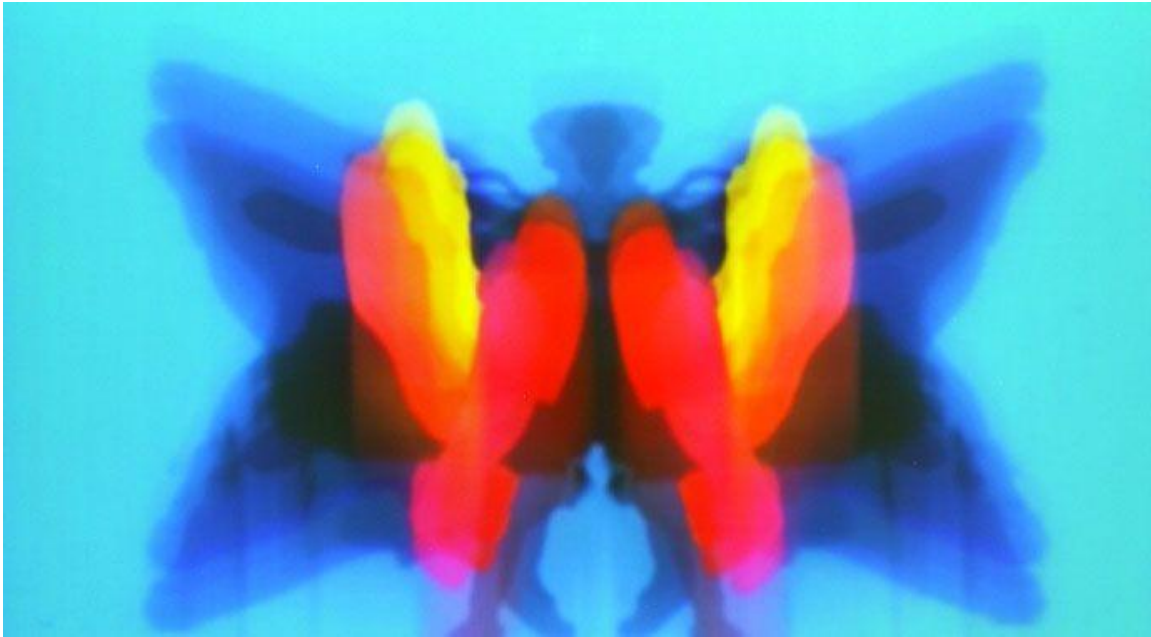


**Barry Anderson** (American, b. 1969)

*Op Eyes*, 2008

Single channel video, 2-minute loop

Collection Nerman Museum of Contemporary Art, 2008.09



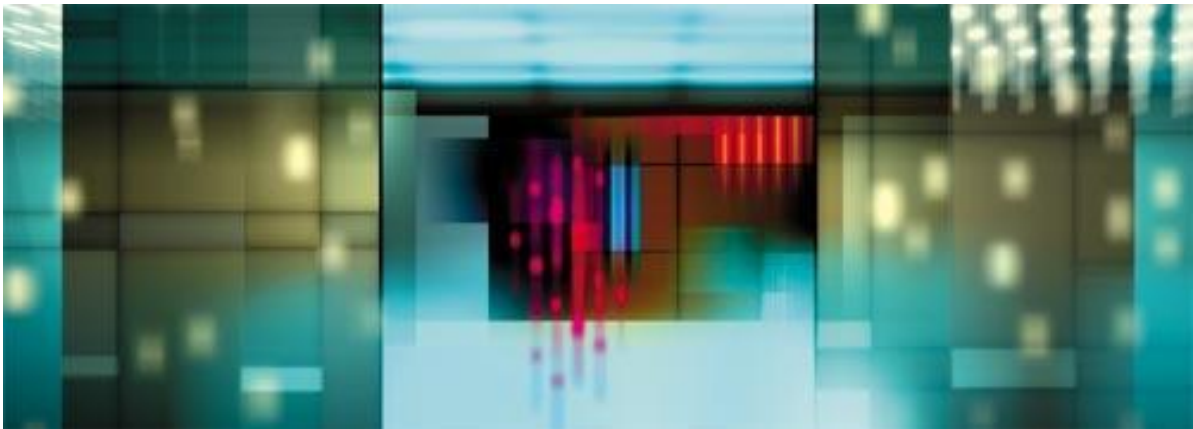
**Jeremy Blake** (American, b. 1971-d. 2007)

*Winchester, 2002*

Digital animation with sound on DVD, 18 min.

Collection Nerman Museum of Contemporary Art, 2002.11

Gift of Marti and Tony Oppenheimer and the Oppenheimer Brothers Foundation



**Jeremy Blake** (American, b. 1971 – d. 2007)

*International Headquarters, 2000*

Digital chromogenic print

Collection Nerman Museum of Contemporary Art, 2002.11



**Jules de Balincourt** (American, b. France, 1972)

*Temporary Drop Out*, 2003

Oil, spray paint and pen on board

Collection Nerman Museum of Contemporary Art, 2004.25



**Scott B. Davis** (American, b. 1971)

*Imperial Highway, Ocotillo, California, 2007* (printed 2009)

Platinum palladium print

Collection Nerman Museum of Contemporary Art, 2009.31

Gift of Marti and Tony Oppenheimer and the Oppenheimer Brothers Foundation



**Michael Vahrenwald** (American, b. 1977)  
*Straw Hill. Wal-Mart, Bloomsberg, PA, 2006*  
Chromogenic print on Plexiglas  
Collection Nerman Museum of Contemporary Art, 2010.24