

EXPERIMENTS THROUGH ART

Mondays, August 31-December 14 (no class Sept 7, Sept 21, Oct 12, Nov 23; 12 weeks)

9:30am-11:00am

Ages 11-14

Students use scientific skills to understand and create art as they investigate concepts such as light, color, density, crystallization, plant biology, soils and engineering through experiments before applying what they have learned to create an art project. All lab costs are included in registration fee.

Instructor: Ashley Blocker, BSc

Location: STEM Lab (suite 21)

Course fee: \$285 OR \$28/lab (plus \$0.99 AH fee)

10% member discount

10% sibling discount

Register for full semester or individual labs.

LAB SCHEDULE:

Color Mixing – Monday, August 31

Students explore how light and pigments combine to produce new colors, then apply these principles to create artwork using primary and secondary color blends.

Bubble Creations – Monday, September 14

This week, we experiment with bubble mixtures and surface tension and learn to create unique art masterpieces using what we learned.

Chromatography Art – Monday, September 28

Students investigate how liquids can separate pigments through capillary action, then use this process to create colorful artwork that reveal hidden color compositions.

Cardboard Sculpture – Monday, October 5

Students become artistic engineers as they investigate how shapes, supports and connections affect the strength and stability of the 3D cardboard artwork they create.

Crystallization Art – Monday, October 19

We experiment with salt solutions to study crystallization patterns and use this process to create watercolor paintings with natural crystal patterns and textures.

Flower Prints – Monday, October 26

We study natural pigments of plants as we examine how flowers and leaves contain colors and textures that can be transferred through pressure to create botanical art.

Earth Painting – Monday, November 2

Students explore properties of soil that create different colors and textures, then use earth materials as natural pigments to create landscape artwork.

Impressions from Nature – Monday, November 9

This week, students explore textures and patterns in nature and create clay impression art using objects from the outdoors.

Floating Ink – Monday, November 16

We experiment with liquids by creating a density gradient, then use these properties in Suminagashi floating ink techniques to create flowing marbled artworks.

Shadow Art – Monday, November 30

Students investigate how light travels, then use these principles of light, reflection and obstruction to design creative shadow art and storytelling scenes.

Sun Prints – Monday, December 7

Students explore how ultraviolet light from the sun triggers chemical reactions, then create art using these reactions to form detailed sun-captured images.

Glow Art – Monday, December 14

This week, we investigate how different types of light are produced then use glowing materials to create illuminated artworks inspired by natural and scientific phenomena.

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