

# SUMMER EXTRAVAGANZA

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Creativity is Intelligence Having Fun  
*Albert Einstein*



**WILLCOX**  
THEATER & ARTS

2024

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A Low-Fee Summer Art, STEM and Discovery  
program for students of every age  
from 3 to 93



# SUMMER EXTRAVAGANZA

## WORKSHOP DESCRIPTIONS - STEM



Construct your own rocket, pack the parachute, and make sure everything is launch ready. Rockets will be taken to the range for launch, maximum elevation measured, and retrieved (if you packed your parachute properly). **June 19&20 10 am**

### ROCKETRY

2 hrs – 2 Days | Ages 10-18  
Ron Berry & Paola Barraza

**\$5**

### ROCK OF AGES

1 hr – 1 Day | Ages 12+  
Nick Clement

**\$5**

Learn the basics of geology – what is a rock, how deposition occurs, and tectonics through exploring different samples. Students will be encouraged to learn about the natural world.

**July 3 or Aug 1 10am**



Make and launch a water bottle rocket using a plastic bottle, water, cork, needle adaptor, and pump. See Newton's Third Law of Motion in action as your rocket takes off. **June 18 10am**

### BOTTLE ROCKETS

1 1/2 hrs – 1 Day | Ages 8-14  
Nick Clement

**FREE**

### EXPLORING THE SOLAR SYSTEM

1 hr – 2 Days | Ages 10-14  
Tom Sarko

**\$5**

Understand of the sizes, distances, and characteristics of the planets (and other objects) that orbit the Sun. Make a “pocket Solar System” model of planetary distances and safely observe the Sun with a Solar telescope. **June 5 & 14 10 am**

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Adults are welcome in Workshops with this symbol

## WORKSHOP DESCRIPTIONS - STEM

Examine your ideas about the universe as you explore the size, distance, and age of the various types of objects you can observe in space.

June 17 and 19 3pm

Optional Stargazing 8pm at AntHill Drive-In

### COSMIC SURVEY

1 hr – 2 Days | Ages 10-14

Tom Sarko

\$5

### MISSION 2 MARS

2 hrs – 1 Day | Ages 6-11

FREE

Nick Clement

NASA's Mission 2 Mars will stop at the moon first, so you'll learn about the moon while by working on projects from NASA's Project Kit

June 20 or July 9 1pm

### LIFE THAT TIME FORGOT

1 hr – 1 Day | Ages 12+

Nick Clement

\$5

Learn about the prehistoric world and the creatures lived in it. Replicate field techniques to uncover your own fossils to take home.

July 3 or Aug 1 1pm,

### VR & MINECRAFT

2 hrs – 1 Day | Ages 10-18

\$5

Britt Rhoades

Explore the digital world of VR from roller coasters, to Beat Sabers. Or dig into the pixelated world of Minecraft. Your own Microsoft account will be required. July 31 10am



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## WORKSHOP DESCRIPTIONS - TECH AND ART

### PODCAST

2 hrs – 1 Day | Ages 12-18  
Peter Spitzer

**\$5**

How to run your own podcast, from camera work to lighting, sound, equipment options, and more! Try your hand at all areas of production from behind-the-scenes to in front of the camera.

June 21 10am



Design and print your own design for a 3 Dimensional piece of art. Choose your color and pick up your finished piece the next day.

July 29&30 10am

### 3D PRINTING

1 hr – 1 Day | Ages 12+  
Britt Rhoades

**\$5**



### LASER ENGRAVING

1.5 hrs – 1 Day | Ages 12+  
Britt Rhoades

**\$5**

Learn to design a digital line drawing using Krita or Pro-Creat. Transfer your drawing to the laser engraver and print on a wood piece to pick up the next day. June 27 10am

### SCRIPT, CAMERA, ACTION!

A class for creatives! Develop your idea, script it, film, and edit your own short film from start to finish - and premier it on the big screen at class conclusion. July 15-19 & July 22-26 9am

1 1/2 hrs – 10 Days | Ages 12-18  
Nick Clement & Peter Spitzer

**\$15**