



At Treehaven | Friday, May 5, 2023

Workshop Descriptions

Defying Gravity in Design

Famous architect Buckminster Fuller once said “Don’t fight forces, use them.” Tensegrity, or “tensional integrity,” is a term used for structures which use balance and tension to function. In this workshop, learn about architecture and how to use this concept in design by building your very own tensegrity sculpture!

Digital Investigations

Finding people online can be a tough challenge, but essential in some cases when someone goes missing or when law enforcement is looking for a subject. This session will look at some of the ways Open Source Investigations (OSINT) works to track people online and discover their history.

Exploring Solar Energy

Solar panels can be used to collect sunlight and turn it into clean, renewable electricity. Use individually mounted solar panels, multimeters and pyranometers to learn how solar panels work. Take on the role of a Solar Installer or Solar Design Engineer as they explore how solar panels can be used to generate electricity and how a variety of factors like sun angle, solar panel angle, cloud cover and shade can impact the amount of solar energy converted to electricity.

Fly Fishing Science

Learn the science and technology behind fly fishing including how to read the streams to catch trout, all about bugs, and the mechanics and casting of a fly-fishing rod.

Getting to Know Trees

Through drawing and close observation, students will get to know the trees around them. They will then use a variety of tree identification tools to find out what kind of trees they are looking at. We will be going outside, rain or shine.

mARTketing 101

We may not be good at spelling but we’re good at bringing ART into our marketing (mARTketing...see what we did there?!). Together, we’ll create marketing materials by bringing together creativity, strategy, and art to make something beautiful for our target audience!

Natural Resources Management with Drones

Learn about how drones are being used to observe forests, fires, fish and wildlife to help natural resources professionals make management decisions. See drone footage, learn about some projects, and see drones in action. You may have an opportunity to pilot an underwater drone!

Soil: The hidden world beneath our feet

Come prepared to get your hands dirty as we describe the different soil horizons (layers) in one of the open soil pits at Treehaven! We will examine how soil changes in color, texture, and pH at different depths in the soil. In the event of rain or snow, we will still get our hands dirty, but in a classroom.

Stanzas of the Outdoors

During this workshop, we will explore nature through our poetic lenses. We will do this through an exploration of both the natural world and the world of poetry. We will build our poetry skills through a variety of activities and games then try our hands at creating our own poems and interpretations of the natural world around us.

Surviving the Apocalypse

A disaster has happened and we must retreat into the woods to survive. In this outdoor session, we will enjoy the beauty of our surroundings while talking about natural objects that could help us survive the end of the world as we know it.



STEAM Point Day at Treehaven - Workshop Selection Form 2023

Students: Complete this sheet and return it to the teacher/parent/guardian who is registering you for STEAM Point Days.

Student Name: _____ Grade: _____

Teacher Email: _____

T-Shirt Size: S M L XL 2XL 3XL

Any Dietary Restrictions or
Special Accommodations? _____

Address: _____ City/State: _____ Zip Code: _____

School Name: _____ Teacher Name: _____

Be sure to include your top 6 workshops and 1 workshop you do not want or your teacher will have to choose for you.

Available Workshops		Workshops you want to attend. Rank them 1-6 1 being the workshop you want most.	Workshop you do not want to attend. Place an X in 1 workshop.
1	Defying Gravity in Design		
2	Digital Investigations		
3	Exploring Solar Energy		
4	Fly Fishing Science		
5	Getting to Know Trees		
6	mARTketing 101		
7	Natural Resources Management with Drones		
8	Soil: The hidden world beneath our feet		
9	Stanzas of the Outdoors		
10	Surviving the Apocalypse		

Liability forms must be returned to the Continuing Education office one week prior to the event.