

UW-Stevens Point COLLEGE DAYS FOR KIDS



For High Achieving 6th & 7th Graders! | Friday, April 16, 2021

Please note, some sessions require certain technology or supplies (often items that can be found at home).

Workshop Descriptions

A Map is Worth a Million Words: In this session you will use maps with interactive data as an introduction to GIS (geographic information systems) and the ArcGIS software platform. Unlike a table, ArcGIS visualizes data to help uncover patterns, relationships, and trends. GIS technology is used in many career fields including natural resources, tourism, and healthcare. In this session you will use GIS through to explore patterns of renewable energy use. Compare local and global electricity generation to determine if Wisconsin is a suitable location to generate electricity with solar energy.

Instructor: Senior GIS Education Specialist, Douglas Miskowiak and UWSP Graduate Research Assistant, Stephanie Eidt

Architecture Outside the Box: This workshop would involve three teams exploring architecture, the art of physical spaces and information they contain. This workshop will address the following three questions: As a client, what space do you want to commission? As an architect, how would you design a plan to meet the commission? As a builder how would you realize the client's commission and architect's plans. *Instructor: Professor Henry St. Maurice*

Careers in Natural Resources & Environmental Protection: Have you ever wondered where all our trash goes, how to protect water quality and keep soil healthy, maintain habitat for animals or restore a forest? If so, do you ever think about working in a career that protects the environment and helps people and animals too? If so, attend this workshop and explore different majors and career paths in natural resources. *Instructor: CNR Student Success Center Coordinator, Bobbi Kubish*

Code Making & Breaking: Learn how to create and break secret codes! *Note: Students may login onto the zoom session via any device they are comfortable with, but must have computer or laptop with browser and internet connection to follow along with session activities. *Instructor: Mathematical Sciences Professor, Andy Felt*

DNA All the Way! Learn all about DNA-what it is, what it does, and how it makes you unique. Learn about DNA technology and put it into practice by extracting DNA from fruit in your kitchen to see what it looks like in real life. ***Supplies Needed: Test tube or small, clear cup/glass, plastic baggie, strawberries, dish soap, salt, water, isopropyl (rubbing) alcohol, coffee filter, measuring cup, measuring spoons and funnel.** *Instructor: Biology Professor Laura Lee*

Dragon Quest: Let's learn some very basic Chinese language: Mandarin; Chinese culture. We will learn one of the Chinese folk arts: paper cutting or Chinese knotting). *Instructor: World Languages Professor Remya Sarma-Traynor*

Explore Soil & Waste Resources! In this interactive workshop, discover the many hidden secrets of soils and find out how we manage our waste materials. *Instructor: Professor of Soil & Waste Resources, Robert Michitsch*

Discover Your Assets: Take a self assessment to uncover your internal and external assets. Learn about yourself and how you can tap into your assets in everyday life. *Instructor: Professor Pamela Bork*

Fish Frenzy: Learn about bluegills, smallmouth bass, darters and more! Watch the fish and learn what they need. Then each person will "inherit" a piece of waterfront property and get to decide what to build on it...and what impact your property will have on the fish! ***Handout: Please print prior to class.** *Instructor: Fish Series Coordinator, Lynn Markham*

How to Make TV: Did you know UWSP has their own TV channel where college students run and operate their own news, sports and shows? Explore the equipment, people, and process needed to make television shows for a YouTube Broadcast. *Instructor: General Manager of SPTV, Florence Anderson*

Workshop Descriptions Continued...

Machine Learning Abracadabra: Have you wondered how computers do those wonderful predictions, like how many people will catch the corona virus infection; how Amazon Alexa and other voice assistance gadgets know what you want and fetch it for you like the type of music you want to play? In this workshop we shall demonstrate using simple activities how Machine Learning is behind all this. They say, "Its Magic if you don't know-how", in this session we shall give you the Magic.

Instructor: Associate Professor - Educational Technology, Kele Anyanwu

NASA Shuttle Launch Dark Moon Ray Mystery: On February 7, 2001, the Space Shuttle Atlantis was launched to help build the International Space Station. A series of photos of the launch show a dark ray emanating from the Moon and aimed directly at the Atlantis. What was it? Aliens? A new, top-secret military weapon? Come find out! Along the way we'll explore many other cool things you can see in the sky. *Instructor: Physics & Astronomy Professor, Ken Menningen*

Nature Journaling: Learn how to make your own nature journal and practice making observations. ***Supplies Needed: Several 8.5x11 sheets of paper, scissors, writing utensil.**

Instructor: Environmental Educators & Naturalists Association Student, Kindra Buggs

Playdough Geology: Use playdough to create models of geologic processes, concepts or landforms. Topics covered include: earth layers, rock cycle, and how mountains form. ***Supplies Needed: Three different colors of play-doh.**

Instructor: Geology Lecturer, Lisa Siewert

Reptile Show: Learn all about reptiles and meet some of our animals! *Instructor: Education Coordinator, Bella Kirkpatrick*

Secrets Photos Tell: Have you ever wondered just how much the pictures you find online can tell you about the person that posted them? In this workshop we will do some investigative work that law enforcement might do to track down a person based only on the photos they find on social media. *Instructor: Assistant Professor & Information Security Officer, Chad R. Johnson*

Songwriting: Using poems by established poets, this class will explore the basic building blocks of songwriting: rhythm, melody, and harmony. *Instructor: Professor & Director of Jazz Studies, Mathew Buchman*

Theatre Games & Improv: Work your creative brain through theatre games and improvisation! Through various exercises and games we will create theatre together! *Instructor: Musical Theatre Lecturer, Sarah Wussow*

Trees Where YOU Live: Explore the trees where YOU live (or at your school if you are participating from school). Within the workshop students will find a tree near their home or classroom and explore information about the tree. We will look at what type of tree it is, where it lives and what benefits it serves to its community. ***Supplies Needed: Access to a phone, tablet or camera so you can find and record a tree.** *Instructor: Program Manager, Jessica Tomaszewski*

Using Math to Grow a Forest: Forest scientists use mathematical equations to describe both individual tree size and the number of trees growing in a forest. When scientists puts these equations together in a computer-based model one can numerically describe and show how a forest develops and changes through time. Let's numerically grow a forest!

Instructor: Forestry Professor Paul Doruska

Zombie Emergency! The Zombie Apocalypse is upon us (at least for the sake of this workshop)! How will you survive? In this scary fun class focusing on problem solving, communication and disaster psychology, you'll work through fictional scenarios and develop an emergency plan of action. *Instructor: Psychology Professor, Sandy Neumann, Ph.D.*

[Register for College Days for Kids](#) | Registration Deadline: April 2, 2021

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