

Tech Savvy – Jamestown

Hands on workshops March 9, 2020

www.techsavvynd.org



Middle school girls in 7th & 8th Grade will register online in school for 3 hands-on workshop sessions.

#fontstotheextreme You are creating a post and you hate all the fonts. Don't you wish you can create your own font? In this workshop you will learn how to make your own font and use them to make your post go viral! [Graphic Designer, Two Rivers Activity Center]

Batwoman and the Dark Night When day fades away, bats come out to play. Make origami bats and learn why bats are important to the ecosystem in North Dakota. And you too could become a Batwoman in the Dark Night. [Researchers, United Tribes Technical College]

Can I Still Eat That? Jellybeans, apples, ice cream these are all these things you enjoy now while in middle school but if you want to enjoy these later in life your teeth need to be healthy. Come and learn how a dentist can help make that beautiful smile for years to come. [Dentist, Orn Family Dentistry]

Can U See Me Now? Eye Doctors use many different tools to help you see better. Learn what it is like being an optometrist and test your eyes and see if you have 20/20 vision! [Optometrist, Lifetime Vision Source]

CSI: Jamestown A crime has been committed! Using fingerprinting, chemistry and other techniques of forensic science you will gather and analyze the evidence left behind to catch the criminal. [Gateway to Science]

Doctor for a Day Experience what it is like to be a veterinarian for a day. Learn how to suture wounds, give injections, and bandage a limb. [Veterinarian, Dr. Dawn's Pet Shop]

Escape Room: Money Master Join us as we explore different real-life scenarios; choosing a bank, balancing your accounts, applying for a loan, and saving for retirement. You will have three separate puzzles to complete in this session in order to escape and be declared a Money Master! [Gate City Bank]

Get Creative! Get Connected! Get Coding! Design and create games to play with friends, musical instruments to play songs, and much more using a micro:bit. The fun won't stop here - attend this 2 hour session and get a micro:bit to take home to make all sorts of creative projects. [Microsoft: Fargo Campus Team] **NOTE: This workshop is 2 hours in length – register for both session #1 & 2**

Have Your DNA and Eat It Too! Explore the recipe of life by building your very own DNA molecule, using the most delicious of ingredients. We will learn the parts of DNA and how the special way they come together spells out what makes you -YOU! [Biologist, N.E.O.N./Battelle]

Fly High at Collins Learn about technologically advanced products for aircraft. See 3D printing, computer-aided design software and full-scale mockup of the cargo system in 777 freighter planes. [Collins Aerospace]
NOTE: This workshop is only offered at Session 3.

Let's Get Physical! Come test your strength? How balanced are you? How fast can you move? Experiment with different ways to test your abilities, and learn about physical therapy, and what it means to be a physical therapist! [University of Jamestown, Physical Therapist Program]

Light Up the Night Create jewelry that lights up! Use Circuits and electrical engineering to create one of these glowing creations and light up the night! [NDSU, College of Engineering]

Marble Run Ready, Set, Roll! Do you and your team have what it takes to win the marble run race? Can you build the longest track and get to the end the fastest? Will you accept the challenge of the Marble Run? [Moore Engineering]

Pitch Your Passion Use code to animate a passion, issue, or cause you care about. By animating interactions between characters, changing their environment, and adding sounds, supporters, movement, and more. This project will help persuade others to care about their passion as well. [NDSU Extension Services]

Pour the Paint and Embrace the Chaos A few beads here a little paper and ribbon there will not stop paint. But, what will it do to your artwork in the end? In this workshop you will learn what different textures do to paint and what it takes to Embrace the Chaos. [Artist, Nicole Gagner]

The Great and Powerful Oz Health care professionals today, use a wide variety of technological tools to provide safe and effective care to their patients. Come explore the simulation lab and learn about how technology is used to train nursing professionals. [University of Jamestown, Nursing Program]

Want to Play a Game? Are you a gamer? Want to take it to the next level? How about creating your own video game? Using Kodu you will create a customized video game that you can play at home then add it to a community so your friends can play too! [University of Jamestown, Elementary Education Department]

We All Scream for Ice Cream Have you ever made ice cream? If so, you know that the ice cream mixture must get really cold very quick. Ice cubes alone won't do the trick. Why not? Find out in this tasty-cold science project. [Valley City State University]

Windy City Tower Skyscrapers can withstand wind speeds of over 100mph. In this workshop we will build Skyscrapers in teams, the team can build the tallest and strongest tower to withstand the wind wins! [Moore Engineering]

You Got the Beat The heart beats about 100,000 times per day delivered oxygen and nutrients to the body. Together we will explore the heart, discuss the benefits of exercise and utilize technology to monitor how the heart rate changes with exercise. [University of Jamestown, Exercise Physiology]