



MARKETPLACE FOR KIDS EDUCATION DAY

Friday, April 21, 2023

9:00 A.M. – 2:00 P.M.

Williston State College & Williston ARC

Welcome!

On-Line Registration opens **Tuesday, February 28, 2023**. All registrations are “first come first served.” The registration must be complete before it can be processed.

Registration closes **Friday, March 31, 2023**. You will be notified when your registration has been received and processed.

Education Day General Schedule:

(A personalized schedule for each student will be printed on their name badge)

***Note that these times are subject to change**

9:15 am – 9:30 am	Pre-Opening Music	11:35 am – 12:00 pm	(Teal) Non-Project Students Lunch
9:30 am – 9:50 am	Opening Rally		(Maroon) Non-Project Students View Projects
10:00 am – 10:25 am	All Students Attend Classes	12:00 pm – 12:25 pm	(Teal) Non-Project Students View Projects
10:35 am – 11:00 am	All Students Attend Classes		(Maroon) Non-Project Students Lunch
11:00 am – 11:30 am	Project Students Eat Lunch	12:30 pm – 12:55 pm	All Students Attend Classes
11:10 am – 11:35 am	Non-Project Students Attend Classes	1:05 pm – 1:30 pm	All Students Attend Classes
11:30 am – 12:25 pm	Project Students Present Projects at Hall of Great Ideas Showcase	1:40 pm – 2:00 pm	Closing Rally

Class List and Description

B. “Breakout” from Traditional Roles!

Feeding a growing world is one of the most vital future needs for all of us! In this session, students will have fun "breaking out" of lock boxes while learning about many career paths that are available to them and how these jobs relate to agriculture and feeding the world. Come and be challenged! Limit 24 Students.

C. CareerViewXR

Come and explore high-demand trade careers through immersive digital experiences that allow people to explore careers and communities virtually. Limit 8 Students.

D. DIY Breadboard Circuits

Come learn and explore circuit builds and the basics of electricity flow through circuits. In this session, students will become familiar with circuitry components like photoresistors, push buttons, batteries, LED's, capacitors, and breadboards. Each build increases in complexity, and all components are reusable so that builds may be disassembled and recreated! Two 50-minute sessions and one 25-minute class. Limited 16 Students.

E. Electrical Motors

For this class we will use two 20-minute sessions to explain how electric motors work and each student will build a simple electric motor that they can take home with them. Each student will build a motor kit, and then run the motor using a battery to learn how electricity make a motor turn. Grades 5 and above. Limit 10 Students.

Electrial Circuits

A 20 Minute session where we will explain how an electric circuit works to turn on a light. Students will build a simple circuit they can take home. The project will have a battery, a switch, and a lamp they will connect with wire and be able to turn the light on and off. Grades 5 and above. Limit 10 Students.

F. Let's Move

Join the WPRD Recreation Department for some movement and games in the ARC Turf!

G. It's a Park Rangers Life

What is a State Park Ranger up to throughout the year? Many different aspects can dictate what a ranger does on a daily basis: wind, rain, or sun; come find out how rangers have fun! Limit 16 Students.

H. How Can Workplace Hazards Be Controlled?

We will look at safety hazards in the workplace and learn about different ways to make workplaces safer. Limit 24 Students.

I. Introduction to Entrepreneurship

Welcome to the world of problem solving and profits. In a fast 25 minutes you'll learn how to create new products like an entrepreneur. Students will participate in a hands-on upcycle project to learn how to solve problems with creativity. Bonus...They can take home their design project! Limit 16 Students.

J. Discover Japan in North Dakota

This class will provide students with an opportunity to experience unique Japanese culture. Limit 16 Students.

K. Knots to Know

Knot-Tying has long been a part of the Scouting program – for good reasons. It promotes discipline and focus, and it teaches useful skills that can be used immediately. Most people can tie just one knot (the “overhand knot”); many Scouts know more than a dozen. Come learn some of the 11 essential knots.

L. Lessons About Your Money

The more you know about how to make money, how to save money, and how to spend money, the less likely it is that you will have problems as an adult. Do you know people who never seem to have enough money? If you don't want to live that way, listen up. We have some good information to share with you today. Students will get the opportunity to look at and learn about foreign currency.

M. Fun with Polymers

Polymers are long chains of repeating molecules. In this class, we'll be performing a chemistry experiment by mixing Elmer's Glue (a polymer) with Borax to cause the polymer strands to stick together and tangle up. The result is a slime that is both a solid and a fluid and is fun to play with. Students will be able to take their slime home with them. Limit 24 Students.

N. Take Charge of Your Electrical Safety

PowerTown - High voltage demonstration model that shows contact hazards with overhead and underground services. Hands on with a Van De Graff static electricity ball and plasma ball demonstrations.

O. Operation LifeSaver

Railroad Safety, trespass prevention, and how to report emergencies that occur while on or near railroad property.

P. Volleyball Basics

Learn the sport of Volleyball. Limit 24 Students.

Q. Electrical Keychains

Make a keychain out of wire and connections. Limit 24 Students.

R. Power Plant Puzzle

Students will pair up in a team building exercise that utilizes their mechanical skills. They assemble nuts, bolts, linkage, and PVC into a replica of an original puzzle. Limit 30 Students.

S. Solve Magic Cubes Using Spatial Reasoning

A mathematical model of special geometry, the magic cube (better known as Rubik's cube named after Hungarian architect Erno Rubik) was developed as a working model to explain three-dimensional geometry. After designing the puzzle, he realized he could not actually solve it!! It took him a month to develop a working solution. Each student will receive a cube and learn the standard moves and how to solve it. Limit 30 Students.

T. Careers on Wheels

Students will get to see the vehicles that make their town work and keep them safe.

U. Boot Camp and Boxing

We will do circuit training and work on some boxing forms. Limit 32 Students.

V. Keva Planks

Build structures using Keva planks.

W. Hip Hop Dance

Whether you are looking to get some exercise, or just have a lot of fun, Kay Michael Lee Studio will show you today's hottest hip hop moves.

X. How to Earn Money by Working

Through interactive activities, this class helps students to explore ways to earn money by working. Teen jobs ideas will be presented, as well as post high school education and career paths. Students will learn what a resume is and get to build their own resume.

Y. Exploring Landfill Operations and Recyclable Materials

Discussion of how a landfill operates, trending numbers for the local landfill, and what materials we recycle. How we can improve the recycling program within the City of Williston? How can you make a difference in your landfill!

Z. UAS Operations

Brief overview of operational use of UAS platforms at Williams County, Q&A and brief Flight Demo (if conditions are favorable). Limit 24 Students.

AA. Agricultural Fun Facts

The class will cover basic animal science, plant science and various other agricultural topic fun facts.

BB. Planner for a Day

The city of Williston will be working with the students on what it is like to be a planner for the city. The students will be given Lego model representations of buildings (fire and police stations, hospital, water treatment facility, water resource recovery facility, airport and runway, commercial building, multifamily housing, and a single-family housing) to layout and discuss why they chose their layout. Was it difficult to get all the pieces on the board?