



MARKETPLACE FOR KIDS EDUCATION DAY
Monday, May 18, 2026
9:00 A.M. – 2:00 P.M.
NORTH DAKOTA
STATE COLLEGE OF SCIENCE

Welcome!

On-Line Registration opens **Friday, March 27, 2026**. All registrations are “first come first served.” The registration must be complete before it can be processed.

Registration closes **Friday, May 1, 2026**. 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**

8:45 am – 9:10 am	Pre-Opening Music	11:55 am – 12:20 pm	(Teal) Non-Project Students Lunch
9:10 am – 9:30 am	Opening Rally		(Maroon) Non-Project Students View Projects
9:45 am – 10:10 am	All Students Attend Classes	12:20 pm – 12:50 pm	(Teal) Non-Project Students View Projects
10:20 am – 10:45 am	All Students Attend Classes		(Maroon) Non-Project Students Lunch
10:55 am – 11:20 am	All Students Attend Classes	1:00 pm – 1:25 pm	All Students Attend Classes
11:30 am – 11:55 am	Project Students Eat Lunch	1:30 pm – 1:40 pm	Pre-Closing Rally Entertainment
11:30 am – 11:55 am	Non-Project Students Attend Classes Project Students Eat Lunch	1:40 pm – 2:00 pm	Closing Rally
11:55 am – 12:50 pm	Project Students Present Projects at Hall of Great Ideas Showcase		

Class List and Description

A. Pharmacy Technician Exploration

Explore and learn about various pharmacy technician tasks and duties. Limit 24 Students.

B. Breaking Through Traditional Roles – a NEW Challenge!

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 (similar to an escape room) 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. Career Paths in Aviation

Steam as a tool to foster entrepreneurship, problem solving, using critical thinking and career paths to Aviation.

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. Limit 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. Overview of Being a Fire Fighter

Discussion, question, and answers. Chance to spray water.

G. Experiments with Electricity

We will be using snap circuits and teaching kids about conductive materials and insulators. Mechanical energy and electrical energy. Limit 24 Students

H. Young Workers – Talking Safety

Workforce Safety & Insurance Loss Control Safety Consultants presentation on Youth Workers and Safety Practices and Youth Workers Rights.

I. Becoming a Peace Officer

Learn what it takes to be in law enforcement.

J. Discover Japan in North Dakota

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

K. Catapult Chaos Control: Launching into 5S

In this high-energy STEM class, students transform into junior engineers as they build and test their very own catapult kits - all while learning the power of 5S: Set in Order, Shine, Standardize, and Sustain. Students start by sorting and organizing their catapult pieces, identifying the importance of a neat, efficient workspac. As they build,

they'll follow step-by-step instructions, practicing real engineering habits that help manufacturers stay safe and productive. Once their catapults are assembled, the real excitement begins! Teams use their organized stations to test accuracy, compare designs, and refine their setups - showing how 5S supports better problem-solving and smoother teamwork. Target 6th-8th Grade. Limit 16 Students.

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.

M. Building Windows with Marvin

Get ready to dive into the world of engineering and manufacturing! Students will be inspired by videos showcasing the fun and importance of manufacturing engineering. They will wrap up the class by taking on the exciting challenge of building a window. Limit 16 Students.

N. Brick-Built Bobcats & the Power of 5S

In this hands-on STEM class, students become young engineers as they build a LEGO Bobcat model while learning the essential organizational method known as 5S. Sort, Set in Order, Shine, Standardize, and Sustain. Through guided building challenges and teamwork, students discover how real engineers and manufacturers stay organized to build machines safely, efficiently, and accurately. As students assemble their bobcat brick by brick, they'll practice sorting pieces, creating build stations, keeping their workspace clean, and following consistent steps - just like modern manufacturing environments. Once their Bobcat is complete, students reflect on how 5S helps them stay focused, solve problems, and work like true innovators. Target 3rd-5th Grade. Limit 16 Students

O. Railway Safety Operation LifeSaver

Railroad Safety, trespass prevention, and how to report unsafe situations to railroads.

P. Land Surveying and Mapping

A look inside the profession of Land Surveying and how we, as Professional Land Surveyors, help build the world around us by using technology, such as Robotic Instruments, GPS, Laser Scanners, and Drones. Limit 32 Students.

Q. Keeping Us Safe

Talk about how to keep safe along with fingerprinting and handcuffing.

R. Diesel Technology Intro to Operation

Several stations for students to see and operate some equipment.

T. Who Wants to be a Nurse?

We will have a variety of activities for students to participate in reflex checks, ear checks, hearing tests, lung sounds, oxygen and breathing. Limit 24 Students.

U. Animal Conservation: Extinction if Forever

We will talk about conservation efforts of animals on the endangered species list. We will also bring some guest animals!

V. A Wildcat Scavenger Hunt!

How well do you know the NDSCS Campus? Test your speed and knowledge.

W. Introduction to Robotics

This hands-on experience will introduce the students to the world of robotics and how they are used in various industries. Students will also have the opportunity to operate an industrial robot to pick up objects in their workspace. Limit 16 Students.

X. Explore Your Senses

Our senses...sight, smell, taste, touch, and hearing connect our minds with the world around us. There are many situations throughout the day to provide opportunities for stimulation. You'll engage in fun, structured, hands-on activities that stimulate both sensory and motor skill development. Come and excite your senses! Limit 20 Students.

Y. Do you have "Treasure" hiding in your trash?

Let's sort through some "trash" and see if you can pull out all of the recyclable materials! This is a fun and engaging session where students will become informed on how they can help the environment by recycling. Participants will learn about recycling, composting, and ways to reuse items.

Z. Does Money Grow on Trees?

Wood, paper, heating, buildings, musical instruments, crafts, toys, nuts, fruits, and even mushrooms! "Wood" you believe it all comes from a tree? Many jobs rely on forestry, even in North Dakota, and selling "specialty forest products" could be an opportunity to start your own business to earn extra money.

AA. Farm Crops and Safety

Learn how different crops are used on a daily basis. Learn farm safety facts.

CC. Who wants to be a Dental Hygienist or Dental Assistant?

This class will include a hands-on demo of several dental office procedures that dental assistants or dental hygienists do. What does an intra-oral camera look like and how is it used? What is infection control and how important is hand washing? How can I keep my teeth strong and healthy? How do you polish a patient's teeth? Limit 32 Students.

DD. Law Enforcement Basics

Uniformed Sheriff's Deputies will display Law Enforcement Equipment & Tools including: Marked Police Vehicles with Emergency Lights, Sirens, Police Radio, Transport Cages, Rescue Gear and a variety of other Law Enforcement Gear. Presenters will have a Drone Demonstration, talk about Law Enforcement Duties, K-9 Nemo and answer general questions about Law Enforcement. Limit 32 Students.

EE. All About Water Rescue

Richland County Water Rescue provides information on services provided, team structure, and equipment used. A variety of water rescue equipment will be displayed including boats, dive gear, command post, ice rescue sled and more. Limit 32 Students.