



MARKETPLACE FOR KIDS EDUCATION DAY
Friday, May 3, 2019, 9:30 A.M. – 2:00 P.M.
CAVALIER PUBLIC SCHOOLS
CAVALIER, ND

Please join us Friday, May 3, 2019 for your Marketplace for Kids Education Day. New class offerings are all recommendations from your students.

This year, we are processing registrations as they come in and will be mailing the registrations as soon as they are processed. See you May 3rd! Thank you.

General Schedule of the Education Day

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

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

9:15 a.m. – 9:30 a.m.	Pre-Opening Music	11:35 a.m. – 12:00 p.m.	(Celery) Non-Project Students eat lunch
9:30 a.m. – 9:50 a.m.	Opening Rally		(Maroon) Non-Project Students View Projects
10:00 a.m. – 10:25 a.m.	All Students Attend Classes	12:00p.m. – 12:20 p.m.	(Maroon) Non-Project Students eat lunch
10:35 a.m. – 11:00 a.m.	All Students Attend Classes		(Celery) Non-Project Students View Projects
11:00 a.m. – 11:30 a.m.	Project Students Eat Lunch	12:30 p.m. – 12:55 p.m.	All Students Attend Classes
11:10 a.m. – 11:35 a.m.	Non-Project Students Attend Classes	1:05 p.m. – 1:30 p.m.	All Students Attend Classes
11:35 a.m. – 12:20 p.m.	Project Students Present Projects at Hall of Great Ideas Showcase	1:40 p.m. – 2:00 p.m.	Closing Rally

Class List and Description

Class A: Main Street ND

Learn HOW, WHAT, WHEN, & WHY to start your own 21st Century Business in today's technological world. Learn to recognize your strengths AND weaknesses and how to attract and retain the people you need to compete and succeed. 19

Class B: US Border Patrol

Presentation on what A Border Patrol Agent does and the different equipment we use. May include a drone or ATV demonstration, depending on class setting. 19

Class C: Bridges 101

Bridge Building 101 explores how engineering has impacted the development of bridges over time, including innovative designs and the challenge of creating bridges that become landmarks for a city. Students work in teams of "engineers" to design and build their own bridge out of toothpicks and gumdrops. They test their bridges using weights, evaluate their results, and present their findings to the class. 19

Class D: Media

In this class, you will have an overview of career options in broadcast and electrical media. 19

Class E: Careers On Wheels

Vehicles depicting occupations within our community will be on display. You see many of these vehicles, but rarely have a chance to view them up close or visit with the operators! During this class you will have the opportunity to observe and get a better understanding of the careers involved in operating these vehicles. This session will be held outdoors! (Please dress appropriately)19

Class F: Medical Device Engineering

This class will include a brief presentation on cardiology medical devices that I (and others) designed and brought to market worldwide. After the presentation, the class attendees will rotate through four or five experiment/hands on stations that will allow them to assess different design considerations. We navigated as the devices went through the design process. **(This class is limited to a capacity of 16 students per session, per presenter request.)** 19

Class G: Electrical Keychains.

Students will make electrical keychains from tools and materials that electricians and plumbers use every day. 19

Class H: 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. **(This class is limited to a capacity of 30 students per session, per presenter request.)** 19

Class I: Lessons About Your Money

Money plays an important role in our lives – we'll discuss how to make it, how to keep it, how to spend it, and what money around the world looks like. We will get to look at currency from all over the globe. 19

Class J: See Tracks Think Train

Safety around Highway Rail Grade Crossings and the dangers of trespassing on railroad property. 19

Class K: Introduction to the Profession of Land Surveying

The intent of the presentation is to explain to students' what land surveyors do. Also, paths students want to take to put themselves in position to become a land surveyor, such as classes to be taken. The presentation will be gaged for students in grades 3-8 Land Surveyors have gained many new tools over the past 25 years to make their jobs easier. Robots/Drones/CADD software. 19

Class L: Water on Mars

In this class students will also use their critical thinking and detective skills to deduce which liquid sample is safe drinking water. We will discuss the importance of finding water on Mars. **(This class is limited to a capacity of 16 students per session, per presenter request.)** 19

Class M: Virtual Reality (VR)

A look into the world for virtual reality and its applications. **(This class is limited to a capacity of 16 students per session, per presenter request.)** 19

Class N: Full STEAM Ahead in Manufacturing

Did you know that almost everything you use, wear, or eat every day is manufactured in some way? Find out about exciting jobs that center on thinking differently and using new technology like automation to make new and interesting products. A hands-on activity will be included. 19

Class O: Introduction to UAS

Learn about the academic and flight education available to you through the UND Aerospace program and how it will prepare you to be successful in the UAS industry. You'll also be introduced to opportunities, applications, and trends within this emerging field. We will also bring examples of the small UAS that we use within our curriculum. 19

Class P: 911 Communications

In this class see photos of the 911 dispatch center along with the workings within the dispatch center. 19

Class Q: Fur Fun

Kids will get to handle animal furs from ND, while they learn about the animals. 19

Class R: Vex Robotics

Learn about how the robots are designed, built, programmed, and driven by VEX Robotics. 19

Class S: Banking Skills for Life

Learning to deposit and withdraw money, write checks, and touch on electronic banking. 19