



MARKETPLACE FOR KIDS EDUCATION DAY

Wednesday April 20, 2022 9:15 A.M. – 2:00 P.

M. CAVALIER PUBLIC SCHOOL

Please join us Wednesday April 20, 2022 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. 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 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
10:00 am – 10:25 am	All Students Attend Classes		Projects
10:35 am – 11:00 am	All Students Attend Classes	12:00pm – 12:20 pm	(Maroon) Non-Project Students Lunch
11:00 am – 11:30 am	Project Students Eat Lunch		(Teal) Non-Project Students View
11:10 am – 11:35 am	Non-Project Students Attend Classes		Projects
11:35 am – 12:20 pm	Project Students Present Projects at Hall of Great Ideas Showcase	12:30 pm – 12:55 pm	All Students Attend Classes
		1:05 pm – 1:30 pm	All Students Attend Classes
		1:40 pm – 2:00 pm	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. 20

Class B: Experiments with Electricity

Students will learn the difference between conductors and insulators. We will have a variety of experiments for the students to try and we will also be drawing a circuit with graphite pencils and lighting an LED lamp with drawn circuit. 20

Class C: Virtual Reality (VR)

A look into the world of virtual reality and its applications. Try using VR glasses and what it's like in the Virtual World!! **(This class is limited to a capacity of 16 students per session, per presenter request.)** 20

Class D: See Track, Think Trains!

Safety around railroad tracks and at railroad crossings. 20

For this class we will use 2-25 minutes 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 magnetism and electricity make a motor turn. **(You must be in 5th Grade & Up to attend this session.) (This class is limited to a capacity of 8 students per session, per presenter request.)** 20

Class E: Class C: Electrical Circuits (11:10, 12:30, 1:05)

This will be a 25-minute session where we will explain how an electric circuit works to turn on a light, and have the students 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. **(This class is limited to a capacity of 8 students per session, per presenter request.)** 20

Class E: Electrical Motors (10:00-11:00)

Class F: 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. 20

Class G: Plant Seed Engineering

Students will learn about the different types of plant seeds by engineering a plant seed that will successfully either 1) Float in water 2) Fly through the air 3) Explode or 4) Be carried by wind. They will be given a variety of art supplies to create their seed. **(This class is limited to a capacity of 24 students per session, per presenter request.)** 20

Class H: 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) 20

Class I: 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. **(This class is limited to a capacity of 16 students per session, per presenter request.)** 20

Class J: Rev Up Your Learning

NASCAR style tire changing competition. **(This class is limited to a capacity of 16 students per session, per presenter request.)** 20

Class K: Introduction to Welding

Learn the basics of welding and popular welding processes. **(This class is limited to a capacity of 24 students per session, per presenter request.)** 20

Class L: Saving, Budgeting, Meeting Financial Goals

Learn about income and expenses, needs vs. wants and different ways to save. Students will work in small groups to come up with solutions together to share with the larger group. A game will be played at the end of the session to quiz the students on their learnings. **(This class is limited to a capacity of 24 students per session, per presenter request.)** 20

Class M: What is Occupational Therapy (OT)?

Hands on activities to promote independence in occupations of daily living including the opportunity to make a finger splint, checking grip strength and a variety of other exciting OT experiences. A brief overview of the profession will also be provided. **(This class is limited to a capacity of 16 students per session, per presenter request.)** 20

Class N:

Class O:

Class P:

Class Q:

Class R:

Class S:

Class T:

Class U:

Class V:

Class W: