



MARKETPLACE FOR KIDS EDUCATION DAY

Wednesday, April 20, 2022

9:15 A.M. – 2:00 P.M.

Grafton Public School

1548 School Rd

Welcome!

On-Line Registration opens **Tuesday, March 1, 2022**. All registrations are “first come first served.” The registration must be complete before it can be processed.

Registration closes **Friday, April 1, 2022**. 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

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.

B. Safety Super Heroes!

Learn how Safety Professionals can be super heroes of the workplace. Learn how we eliminate hazards and save lives and money! Limit 24 Students.

C. 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 8 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 8 Students.

D. 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 money 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.

E. Manufacturing at Marvin

Learn how Marvin manufactures.

F. Exploring Careers in Virtual Reality

This class will provide students with an opportunity to become familiar with 360-degree and virtual reality media and to expose several careers through a series of virtual reality experiences. Available experiences will include careers in energy, healthcare, construction and more. Limit 8 Students.

G. NDFSA – Talks Agriculture and Farm Safety

We will take youth down the road of all things Agriculture! Including hands-on agriculture activities as well as providing some farm safety tips and teaching them about the United States Department of Agriculture. Limit 16 Students.

H. Seed Engineering

Most plants reproduce with seeds, which come in all shapes and sizes. Plants have developed ways to disperse these seeds, giving the new plant a better chance to find what it needs to grow. Students will be given a variety of art supplies to engineer their own “seed” to float in water, fly through the air, explode, or be carried by wind. Limit 24 Students.

I. OHV Safety Class

A classroom course on safe operation of ATV’s and overview of hot weather injuries. Limit 24 Students.

J. 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 terms 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.

K. Experiments with Electricity

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

L. Quad Track Tractor and GPS

We will have a large 4 Wheel drive tractor for show and tell and describe how we are able to steer the tractor using GPS technology.

M. Rev Up Your Learning

NASCAR style pit stop tire change. Limit 16 Students.

N. Law Enforcement

Patrol vehicles and equipment on display.

O. Introduction to Welding

Class includes hands-on activities and experiments relating to welding. Limit 24 Students.

P. Create a Marketing Plan

Each class will pick a product and we will walk through the different steps of creating a marketing plan. We will also have giveaways for the kids.

Q. Careers on Wheels

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

R. Furs of ND

Show furs of animals found in ND. Talk about each animal and pass around furs to all students.

S. Sun & Skin: Sun Safety 101

Most kids rack up 50-80% of their lifetime sun exposure before age 18. Practicing sun safety every day is the best way to protect your skin from harmful UV radiation. Learn how UV rays work, how to protect your skin, how to choose a sunscreen and engage in a hands-on UV blocking activity. By being sun safe, you can greatly reduce your chance of skin cancer.

T. Construction

Quick intro on hammering nails, cutting wood, and using a drill. Limit 8 Students.

U. Helping Hands

Students will learn how to properly tape an injured thumb and learn how to feed someone who cannot feed themselves. Limit 16 Students.

V. Into the Depths

Learn about the layers of soil by making a delicious treat! Limit 16 Students.

W. Manufacturing at Marvin

Learn how Marvin Windows manufactures windows.

X. Tax Basics

Basics of taxation, why we tax and where the taxes go and what they pay for.