



MARKETPLACE FOR KIDS EDUCATION DAY

Wednesday, April 24, 2024

9:15 A.M. – 2:00 P.M.

Grafton Public School
1548 School Rd

Welcome!

On-Line Registration opens **Friday, March 1, 2024**. All registrations are "first come first served." The registration must be complete before it can be processed.

Registration closes **Friday, April 5, 2024**. 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. A "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. Career Paths in Aviation

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

D. How to Handle an Emergency and Bandage Wounds

Discuss what to do in an emergency, how to call 911 and steps to bandage simple wounds. We will also demonstrate how to bandage wounds and the kids will have a chance to practice.

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 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.

F. 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 Laser Scanners, Robots, GPS and Drones.

G. 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.

H. Young Workers – Talking Safety

Let's talk about safety for young workers. Your first real job could come with real risks. Limit 24 Students.

I. Energy Opportunities in North Dakota

Discuss what forms of energy exist and what methods are used in North Dakota to produce electricity and other forms of power. Explain the importance of energy relating to our quality of life, environment, and economic impacts to society.

J. Bridge Building 101

Bridge Building 101 explains 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.

K. Experiments with Electricity

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

L. Lessons About 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. Join us to learn ways you can be smart about your money right now as a kid!

M. Manufacture a Window with Marvin

Have you ever wondered how manufacturing works? Join Marvin as we discuss how we go about making as many quality windows as we can in a day for people's homes. There are lots of jobs that make this possible, from engineers to production workers, everyone has a role to play. Limit 24 Students.

N. Careers on Wheels (COW)

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

O. Operation LifeSaver

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

P. That's Inside Me!

Brief discussion on the things inside your body. Different cells and what they do. Some of the bacteria and viruses that make you sick. What I do to find these things and how it helps the doctors.

Q. Rev Up Your Learning

NASCAR style pit stop tire change. Limit 16 students.

R. Opportunites in Mass Media

We'll talk about careers in radio broadcasting, news, sports, play-by-play, newspaper publishing and reporting, marketing and sales.

S. Educating Outdoor Educators

Being an outdoor educator is more than taking math tests outside – it's about sharing a love for nature and the outdoors! Connecting visitors with the outdoors is one of the most important roles of any park employee, from the city level to the national level, as well as any other learning space outside or inside.

T. Team Building

The class will build an apparatus utilizing a diagram and using their team. Limit 15 Students.

U. You've Got Some Nerve/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.