



**Northcentral**  
TECHNICAL COLLEGE

# Get SMART.

Science & Math Activities using Real-World Thinking

*A day of hands-on fun and exploration for 5th - 8th grade students and an adult companion.*

Sign up today and choose two of the following activities to explore:

## HAVE A BLAST MAKING A CANNON

### *Machine Tool*

Join the Machine Tool team to make a miniature cannon. You will learn how to program CNC machines to make parts of the cannon and then actually run CNC mills and CNC lathes to make the cannon barrel.

## 21ST CENTURY DIESEL

### *Diesel Technology*

Get behind the wheel of a semi-tractor and explore the concepts of pneumatics, hydraulics and engine fastener torque. Design and work with different power systems while seeing the forces at work in diesel engines.

## THE ART OF WELDING

### *Welding*

Stick it to winter with some spring art! Use your creativity and your new welding skills to create your own rustic garden sculpture.

## LEGO MINDSTORMS

Build and program a LEGO Mindstorm robot that will drive with motors and interact with the environment using color and sound!

**Caution!** There will be sparks, so dress appropriately: closed toed and closed heeled shoes, long jeans, tie back long hair.

Saturday, Feb. 22, 2020  
9:00 a.m. - 3:30 p.m.  
NTC Phillips Campus

Cost: \$25

Includes:

- T-Shirt
- Lunch
- Your Completed Project

*Register and  
pay online:*

[www.ntc.edu/k12events](http://www.ntc.edu/k12events)

Questions?  
Call Jenny Wengelski  
715.803.1007  
[events@ntc.edu](mailto:events@ntc.edu)

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