

# Join us

## June 18-20

### Registration Window:

April 8 - May 10, 2024

Classes fill on a first come, first served basis.

### Online Registration Link:

<https://cooltechcamp2024/eventbrite.com>



### Registration Fee: \$50

Includes T-shirt, supplies, snacks and a pizza party on the last day.

### Scholarships:

Available based on financial need.

Apply by submitting a short essay that tells your financial story.

#### Submit to:

Patrick Lamb, North Ed Career Tech  
880 Parsons Road, Traverse City, MI 49686  
email: [plamb@NorthwestEd.org](mailto:plamb@NorthwestEd.org)

### Questions?

Call 231.922.6322

2024 Camp logo design by Seth Edwards-Adcox  
North Ed Graphic Arts | Traverse City Central High School

### General Information

Cool Tech Camp is open to students currently enrolled in 5th, 6th or 7th grade.

Classes fill quickly and are available on a first come, first served basis. Enroll early!

Each program is taught by our highly qualified and skilled Career Tech instructors.

Camp is hosted at the North Ed Career Tech campus located at 880 Parsons Road, Traverse City, MI 49686. Students are to be dropped off and picked up each day at the main entrance of the Career Tech facility.

# Cool Tech Camp

# 2024

## June 18-20

## 8:30 - 11:30 a.m.



Writers Studio  
 Welding  
 Web & App Development  
 Teacher Academy  
**COOL TECH CAMP 2024**  
 Robotics & Automation  
 Public Safety  
 Precision Machining  
 Power Equipment  
 Information Technology  
 Health Sciences  
 Graphic Arts  
 Film & New Media  
 Engineering Academy  
 Electrical Occupations  
 Early Education  
 Culinary Arts  
 Construction Trades  
 Collision Repair  
 Business Careers  
 Aviation Maintenance  
 Auto Repair  
 Art Science



**Ed** Career Tech  
 Northwest Education Services

## 2024 Camp Choices

### Art Adventures

Learn the elements and principles of design and the materials and techniques needed to create 2D art with pencil, marker, computer, pastels or watercolor. Leave with custom buttons or stickers created from your artwork.

### Babysitters' Club

Come learn how to be a superstar babysitter! You'll explore how to entertain and care for kids through kid-tested activities and strategies. Students will decorate and leave with a tote bag full of resources to use while babysitting, including games, arts & crafts, and fun learning activities. Participants will learn on-the-job babysitting safety skills.

### Balloons (& coding) Over Broadway!

Have you ever enjoyed watching the floats go by in a parade? How would you like to create your own float and parade route? You can connect the two by programming a robot to carry your float around your parade route. We will connect this learning to the true story of a puppeteer who invented the giant balloons floating in the sky during the annual parades celebrating Thanksgiving. If you like creativity and coding this class is for you! (A partnership with MiSTEM.)

### Bugs, Mud & Waterways

Discover the world of Agriscience with some hands-on, or feet-in, experiences. Students will spend time exploring local stream ecology, watershed health, and soil systems in fun and innovative ways. Students will need to come to camp prepared to get their hands dirty and their feet wet as they immerse themselves in learning. Campers will be walking to a local stream for measurements and sampling. **Please bring water shoes or sandals.**

### Computer Exploration

Customize and play as you learn to identify parts of a computer and build one. You will learn about and install the Windows operating system on the computer you built on the first day. Then you'll learn about apps and how to install your favorite software from Adobe to WinZIP! You may just end up leaving with something you didn't have when you arrived!

### Computers Unleashed!

Discover a variety of applications and make cool projects to take home! Students will design, create, and print their own business cards, address labels, letterhead, calendars and greeting cards using digital cameras, scanners and the internet. Please bring a few personal photos, either printed or on a storage medium (flash drive, CD, digital memory card) on the first day.

### Construction Fever!

Receive an introduction to the construction industry. Use hand tools to measure, cut, sand and assemble an innovative mechanized wooden project intended to amaze your friends. Shop safety will be taught and emphasized throughout the course. **Students must wear closed-toed shoes.** Safety glasses will be provided.

### Drag Cars & MLR

Build a CO<sub>2</sub>-powered dragster to race against other campers on our Pitsco dual lane, digitally timed race track. We will construct and modify balsa wood dragsters and have a big showdown to see who is the fastest. In between build sessions, attendees will learn the basics of Maintenance and Light Repair (MLR) on motor vehicles. You will get to use car hoists, change tires using air tools and Hunter tire machines, and see exactly how an airbag works when we blow one (or two or three) up. Suitable for all skill and interest levels. **Campers must wear closed-toed shoes.**

### Intro to Esports

Esports is taking the world by storm! The REMC Intro to Esports camp is an exciting and informative experience for young gamers who want to participate in a team format with like-minded individuals. Players will learn to hone teamwork skills by collaborating with others on game strategies and concepts, communication skills with teammates and coaches, and healthy life skills through participation. Campers will get to design a team logo using Canva for Education, play various games on the Nintendo Switch and more!

### Intro to Metalworking

Welcome to the world of metalworking, machining, and manufacturing. Learn the basics of how metal is formed, cut and sculpted into the parts and objects that make up the world around us. Make an aluminum die on the drill press and then engrave it on a CNC milling machine. Students will also be able to make an aluminum spinning top on a CNC turning machine. **Please wear long pants and closed-toed shoes.** Safety glasses will be provided.

### LED Light Masters

Transform your world with LEDs. Code your own dazzling light displays like a tech superstar. This program is a partnership between the Engineering Academy and Michigan Technological University where camp counselors will guide you through the magic of mini computers. No coding experience needed, just your curiosity and creativity! Every student will take home a kit from camp so they can continue to learn and invent!

### Medical Crime Scene Investigation

Campers will participate in a mock murder investigation and solve it by using investigative medical tools of the trade, testing fake blood types, checking for signs of injury, looking for clues and more! Campers will also experience various areas of the health care profession, take vital signs and put together their very own first aid kit to take home! If you think a medical career is in your future and like CSI, NCIS or want to be a "Sherlock Holmes," this is right up your alley!

### Outdoor Power Sports

This camp is designed to introduce campers to all kinds of engine-driven outdoor equipment. Often called "small engines," this camp focuses on power units including 4-cycle and 2-cycle engines found on mini bikes, go-karts, ATVs and dirt bikes. Campers will use a variety of hand tools and work on a 4-cycle engine with emphasis placed on part identification and use. Shop safety will be emphasized and campers receive a tool to take home. **Campers must wear closed-toed shoes.**

### Skills for Manufacturing & Design

Do you like to create things that are useful and functional? Do you want to be a maker or designer of products that people use and enjoy? Learn how everyday objects are made, from concept to completion. Students will learn what it takes to create a part in Computer Aided Design (CAD) software and then build a rapid prototype using a 3-D printer. We will use a CNC router, explore G-code, and learn about techniques and tools used for final assembly. Leave with a mass-produced item that you created and will enjoy the rest of the summer.

### Welding & Fabrication

This camp will introduce students to the world of welding. You will be exposed to welding and fabrication equipment common to the trade today. Campers will complete hands-on activities with arc and oxy-fuel cutting and welding equipment. Safety will be emphasized in all activities. **Campers must wear long pants and closed-toed shoes.**