

SCHOOL IS OUT...

CAMP IS IN!

OPEN TO ALL COPESD STUDENTS ENTERING 7TH, 8TH, OR 9TH GRADE IN FALL 2024

CNC MACHINING



HEALTH



WELDING



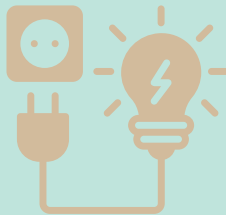
ROBOTICS



PUBLIC SAFETY

K-9

ELECTRICITY

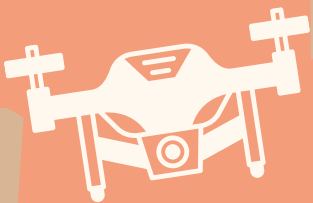


WATER RESOURCES



[CLICK HERE TO WATCH THE 2023 CAMP HIGHLIGHTS!](#)

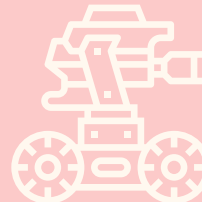
DRONES



BRIDGE BUILDING



ADVANCED ROBOTICS



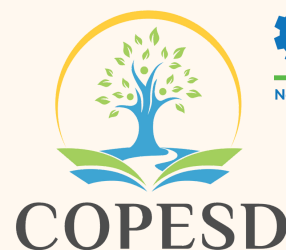
ADVANCED WELDING



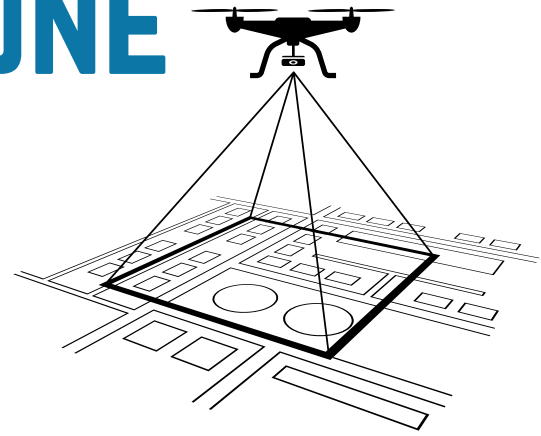
Registration opens May 1, 2024

See Individual Camp Flyers for details

SCAN FOR MORE DETAILS

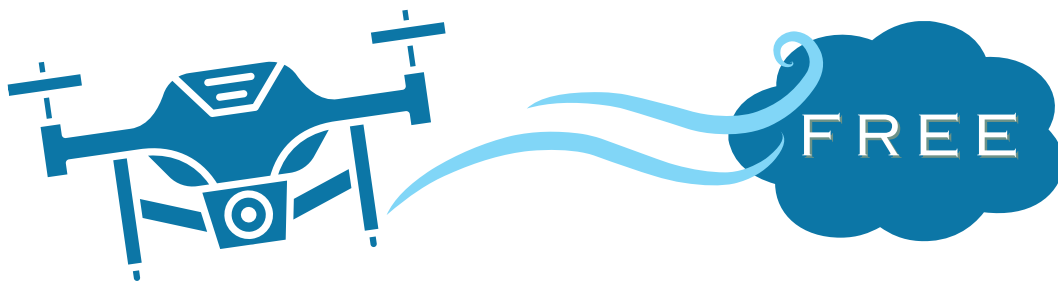


INDOOR AERIAL DRONE CHALLENGE



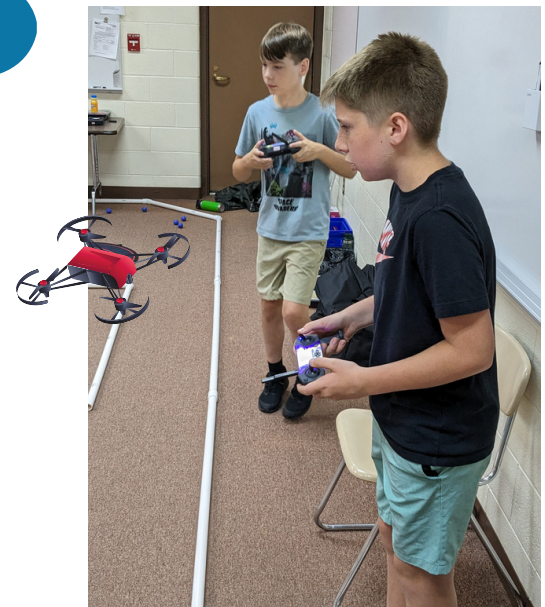
June 24 & 25, 2024 | 9:30a-3:00p
Location: Industrial Arts Institute
20902 Washington St, Onaway, MI 49765

- Learn the secrets behind drones, roles they play in business and industry, and applications that revolutionize various fields.
- Activities include exploring principles of flight, coding and piloting drones
- Collaborate on projects, and showcase skills.
- Campers gain skills, insights, and inspiration for future studies or careers in drone technology.
- Field trip to explore robotics, engaging with leading professionals in the field. They'll gain firsthand insights into robotics' practical applications in business and industry, shaping their understanding of future work and innovation.



HANDS-ON & FUN!

Open to any student within
COP ESD entering Grades
7th, 8th or 9th in Fall 2024



Registration Opens May 1, 2024

Register Here: <https://bit.ly/3TBHcb5>

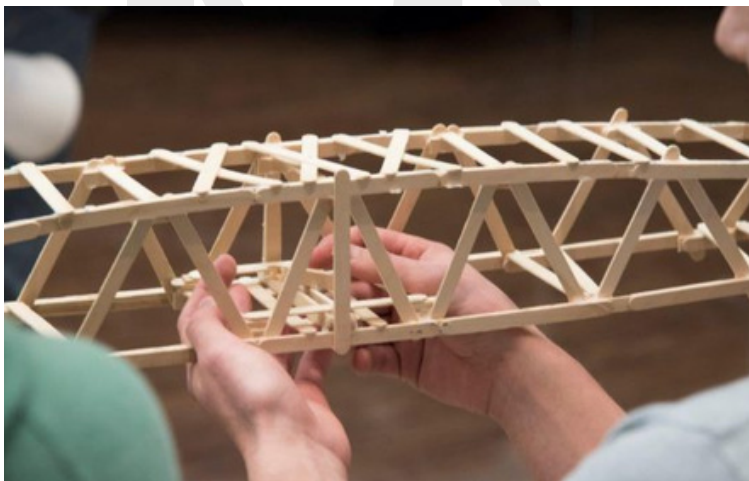
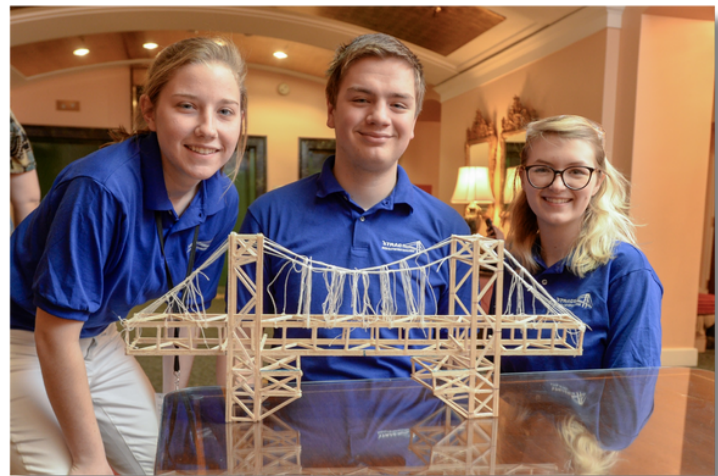


BUILDING BRIDGES CHALLENGE

Welcome to the MDOT TRAC Bridge Builder Summer Camp! This program is designed to provide a hands-on learning experience in bridge engineering and construction. Through engaging activities, interactive workshops, and real-world simulations, participants will gain valuable knowledge and skills in STEM (Science, Technology, Engineering, and Mathematics) fields.

Students will:

- Learn about different types of bridges, structural components, and engineering design principles.
- Hands-on Bridge Design Workshops
- Bridge Construction Simulations
- Bridge Testing and Evaluation
- Field trip to live job site



Open to any student within COP Educational Service District entering Grades 7th, 8th or 9th in Fall 2024

Registration Opens May 1, 2024

Register Here: <https://bit.ly/3TBHcb5>

When: June 26 & 27, 2024

Time: 9:30a-3:00p

Location: Industrial Arts Institute
20902 Washington St.
Onaway, MI 49765



CNC MACHINING Summer Camp

June 27-28, 2024 / 9:30 - 3:00

- Explore exciting careers in CNC Manufacturing
- Gain knowledge about computer numerical control (CNC) and computer-aided manufacturing (CAM)
- Dive into the basics of Mastercam software
- Get hands-on experience by planning and producing projects in North Central's Mobile Manufacturing Lab, equipped with state-of-the-art CNC machines

- Open to any student within COP ESD entering grades 7, 8, or 9 in Fall 2024.
- Clothing requirement for safety: Closed toe shoes, tie back long hair.

Industrial Arts Institute
20902 Washington St.
Onaway 49765



Registration opens May 1, 2024

Register Here: <https://bit.ly/3TBHcb5>

CAREERS IN PUBLIC SAFETY



JULY 8, 2024 | 9:30AM-3:00PM



LEARN LIFE-SAVING FIRST AID TECHNIQUES. ATTEMPT THE PHYSICAL TRAINING REQUIRED TO BE AN OFFICER. WATCH A DEMONSTRATION OF EQUIPMENT USED IN THE FIELD. LEARN HOW AND WHEN IT IS USED - HANDCUFFING, TASERS, THERMAL CAMERAS, NIGHT VISION, AND BODY ARMOR. MEET THE K9 UNIT AND LEARN THE ROLE THEY PLAY IN THE DEPARTMENT. OBSERVE THE ROBOT USED TO ASSESS CRITICAL SITUATIONS AND HAVE A CHANCE TO OPERATE IT. STUDENTS WILL ALSO TOUR THE FACILITY AND VEHICLES.



GAYLORD CITY POLICE DEPARTMENT, GAYLORD

Registration opens May 1, 2024

Register Here: <https://bit.ly/3TBHcb5>



Exploring Electricity

**Industrial Arts
Institute**

20902 Washington St.,
Onaway 49765

JULY 22-23 2024

9:30 AM-3:00 PM

- Explore and practice the skills needed to work safely with electricity.
- Learn about components and devices commonly used in electrical circuits.
- Wire and test basic electrical circuits
- Use a digital multimeter to solve electrical problems.
- Learn to solder.
- Wire an electrical outlet, switch and light.
- Travel to Presque Isle Electric to tour the facility and learn about career opportunities.



CLOTHING REQUIREMENTS FOR SAFETY:
No open-toed shoes, sandals, or flip flops.
Must have shoes or boots.



For any COP ESD Students
entering 7th, 8th, or 9th
grades in Fall 2024

Registration opens May 1, 2024

Registration link: <https://bit.ly/3TBHcb5>

Advanced WELDING CAMP

July 22-23, 2024

9:30 - 3:00

Industrial Arts Institute

20902 Washington St, Onaway, MI 49765



This camp is for students who **have** previously attended a beginner welding camp.

- Students will be challenged to advance their skills and techniques in gas metal arc welding, handheld and mechanized plasma cutting.
- Create challenging projects to take home.
- Explore career opportunities available as a Welder and Metal Fabricator.



Clothing requirements for safety:

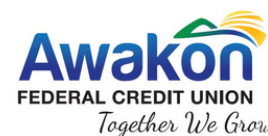
Long sleeve cotton shirt, jeans with no rips or frays, high cotton socks. Leather work boots required; steel-toed boots preferred.

Camp Open to COP ESD Students Entering
Grades 7, 8, or 9 in Fall 2024

Registration Opens
May 1, 2024

Register Here:

<https://bit.ly/3TBHcb5>



**COULD
WELDING
BE YOUR**



⚡ SUPERPOWER? ⚡

Welding Summer Camp

Open to COP ESD Students going into
grades 7, 8, & 9 in Fall 2024



Industrial Arts Institute

20902 Washington St, Onaway, MI 49765



Clothing Requirements for Safety: Long sleeve cotton shirt, jeans with no rips or frays, high cotton socks. Leather work boots required; steel-toed boots preferred.

- Develop basic gas metal arc welding and plasma cutting knowledge and skill.
- Operate various equipment used in the welding industry.
- Complete take-home projects.
- Explore career opportunities available as a Welder and Metal Fabricator.

FREE!

July 24-25, 2024

9:30 AM - 3:00 PM

Registration opens May 1, 2024
SPACE IS LIMITED

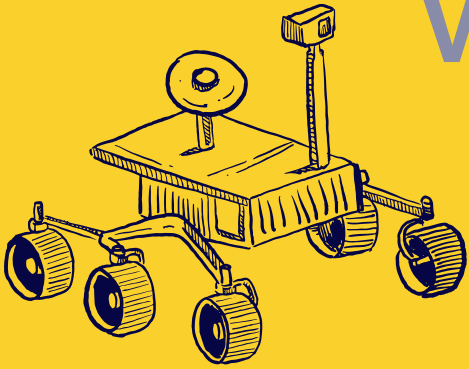
Register here:

<https://bit.ly/3TBHcb5>



COP-ESD STUDENTS ENTERING 7-9 GRADES
WHO HAVE ATTENDED ROBOTICS CAMP

ADVANCED ROBOTICS WITH VexIQ

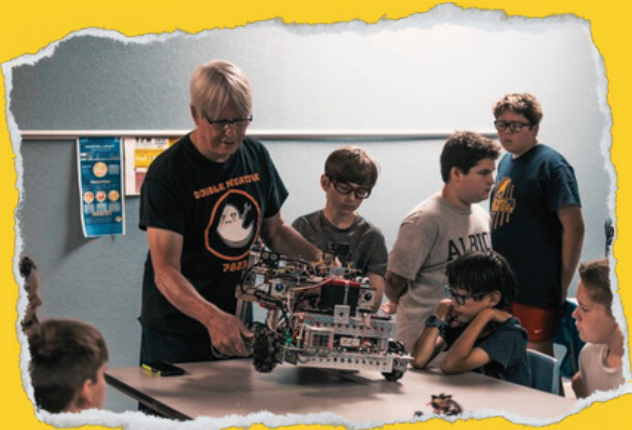


JULY 22, 23 & 24 2024
9:30 AM-3:00PM

INDUSTRIAL ARTS INSTITUTE
20902 WASHINGTON ST
ONAWAY, MI 49765

LEARN BY DOING

- CAMPERS WILL WORK IN TEAMS TO BUILD A CLAWBOT AND DISCOVER HOW TO PICK UP AND MOVE OBJECTS TO SAFETY
- LEARN ABOUT DISTANCE SENSORS TO DETECT OBJECTS
- EXPLORE DIFFERENT CLAW, ARM AND DRIVE DESIGNS
- LEARN TO CODE YOUR ROBOT USING BLOCK CODING
- APPLY KNOWLEDGE YOU LEARNED IN A TEAM COMPETITION
- VISIT A LOCAL BUSINESS AND WITNESS ROBOTS IN ACTION IN REAL-WORLD SETTINGS



RC VEX
ROBOTICS
TEAM 3734M
WILL ASSIST

REGISTRATIN OPENS MAY 1

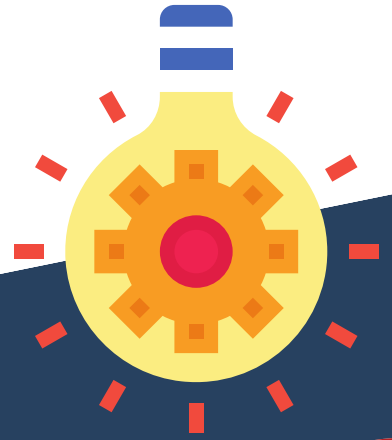
REGISTER HERE:

[HTTPS://BIT.LY/3TBHCB5](https://bit.ly/3TBHCB5)



For COP ESD
students
entering 7th,
8th, or 9th
Grade

COP ESD



ROBOTICS SUMMER CAMP

JULY 25 & 26, 2024
9:30 - 3:00

- Explore the capabilities of Sphero BOLT and Dash robots
- Learn the fundamentals of coding and operating robots
- Troubleshoot problems and unleash your creativity
- Compete against one another in thrilling robot challenges
- Explore real-world applications of robots in business and industry.

Industrial Arts Institute
20902 Washington St.
Onaway, MI 49765

Registration opens May 1, 2024

Register Here: <https://bit.ly/3TBHcb5>



TIP OF THE MITT WATERSHED COUNCIL

WATER RESOURCES CAREERS

COP-ESD STUDENTS ENTERING 7-9TH GRADES

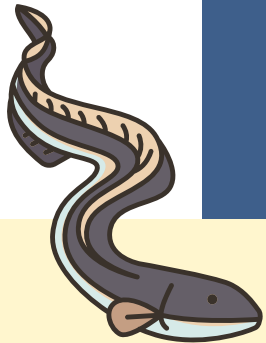
INDUSTRIAL ARTS INSTITUTE, ONAWAY

July 30-31, 2024 | 9am-3pm

- EXPLORE THE FASCINATING WORLD OF WATER RESOURCES AND WATERSHED PROTECTION.
- TAKE A TRIP TO THE HAMMOND BAY BIOLOGICAL STATION
 - TOUR THE WET LAB
 - LEARN ABOUT SEA LAMPREY AND HOLD ONE!
- LEARN HOW TO TEST WATER QUALITY USING MODERN TECHNIQUES AND EQUIPMENT.
- WADE INTO A LOCAL STREAM TO LEARN ALL ABOUT THE AQUATIC SPECIES THAT MAKE THE WATER THEIR HOME.

Registration opens May 1, 2024

Register Here: <https://bit.ly/3TBHcb5>



COPESED
TO ENGAGE LEARNERS IN WAYS
THAT FOSTER GROWTH & SUCCESS



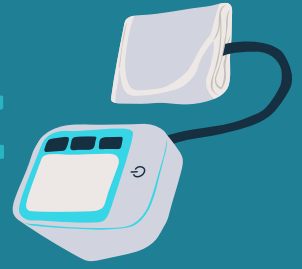
Northeast Michigan (NEMi) Region



EXPLORING CAREERS IN HEALTH CARE

SUMMER CAMP

August 7, 2024 / 10:00-1:30



Come spend the day learning about careers in healthcare!

- Students will explore pre-hospital, in-patient hospital, and post care methods.
- Visit physical therapy, the operating room, cardiac rehab, radiology, and EMS.
- Walk through a life-size heart.
- Learn the procedure for donning and doffing scrubs.
- Experience performing CPR and STOP the bleed.
- Explore opportunities that exist in healthcare.

Who can attend?

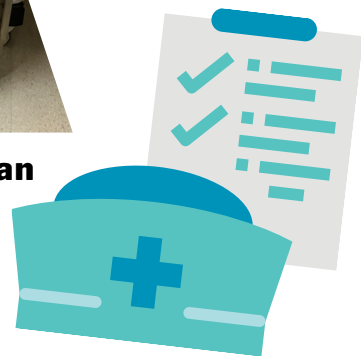
OPEN TO ANY STUDENT WITHIN COP ESD ENTERING 7TH, 8TH, OR 9TH GRADE IN THE FALL OF 2024

Masks required/provided



McLaren Northern Michigan Medical Office Building

748 S. Main St.
Cheboygan, MI 49721



REGISTRATION OPENS MAY 1

REGISTER HERE: [HTTPS://BIT.LY/3TBHCB5](https://bit.ly/3TBHCB5)