



## NEXT STEP: RESEARCH YOUR HIGH SCHOOL OPTIONS

You have many local high schools to choose from, but UMEI is the only one offering an enriched robotics program like this. Take time to learn more about each school and choose the right fit for you.

You may not know that your grade school has only *one* associated high school that is allowed to visit your Grade 8 class, so make sure you take the initiative to consider all of your options!

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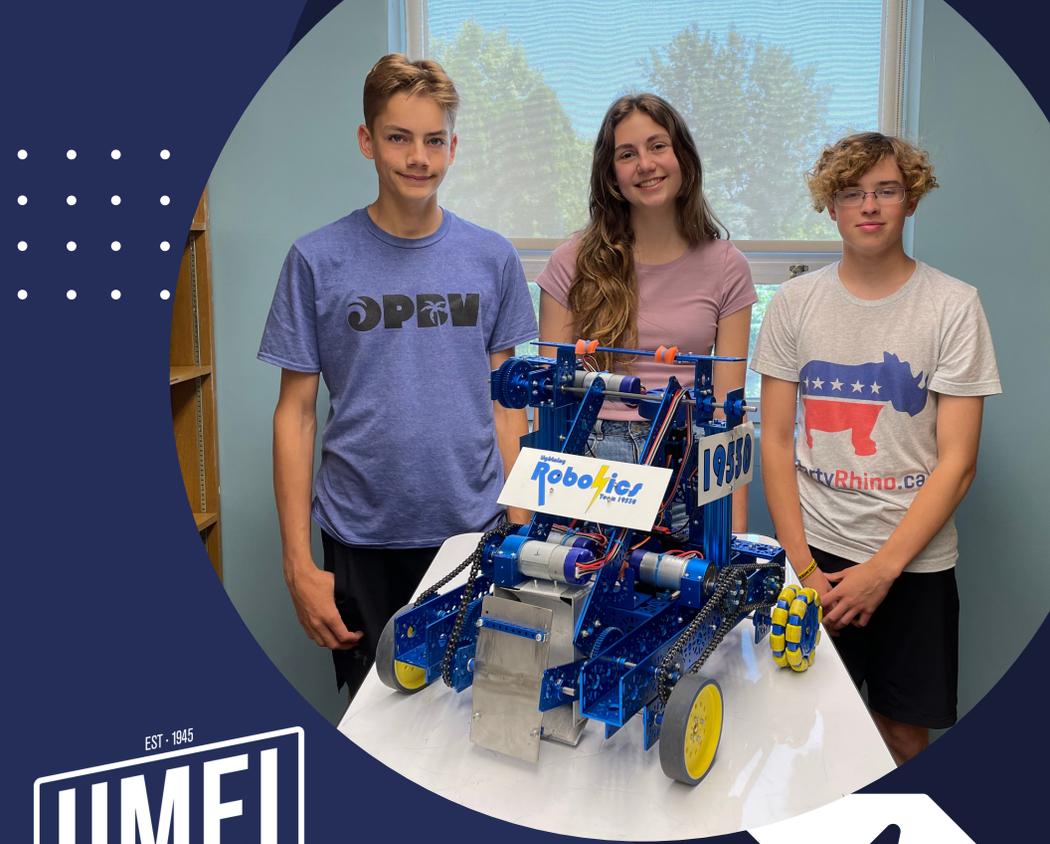


## CONTACT US

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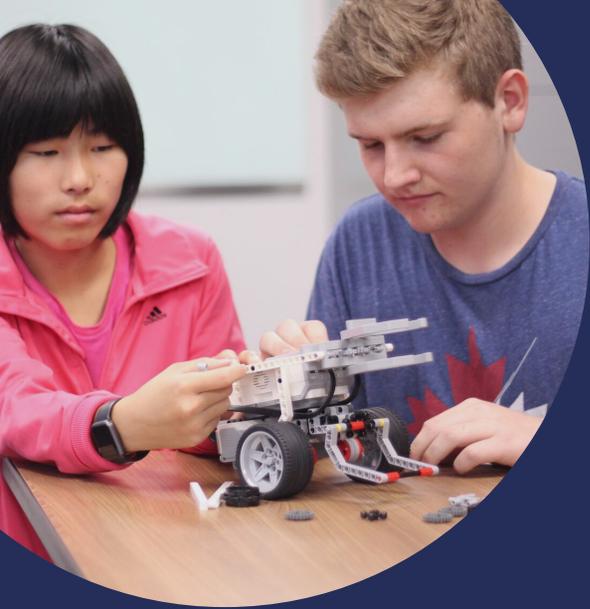


NEW

# ENRICHED ROBOTICS PROGRAM

*An innovative 4-year program offered exclusively to students at UMEI Christian High School.*





*Imagine this - every day, you get to build robots, program robots with code, and solve unique challenges with teammates. No textbooks, no lectures - just hands-on, authentic learning applied to the real world.*

## WHO IS THIS PROGRAM FOR?

*Students who...*

- Want opportunities for more adaptive, creative, divergent thinking.
- Prefer to learn by doing.
- Excel in math and science.
- Enjoy challenges and problem solving.
- Motivated beyond traditional learning.

## WHY IS THIS PROGRAM IMPORTANT?

- Increased student motivation to learn
- Builds cause-and-effect thinking
- Creates ability to diagnose problems while formulating solutions
- Requires interpretation of observed events instead of memorization
- More independent thinking and decision making
- Improved perception, creativity and confidence
- Preparation for evolving career opportunities

## WHAT IS A ROBOTICS COURSE LIKE?

Students are presented with a task or challenge that requires a robotic solution. Using a variety of parts, including LEGO and aluminum kits, students design and build their robot to conquer the challenge. Numerous sensors are introduced which can detect light and distance. Programming is also an essential part of the courses. Labview and Java Script are used to command the robots through the challenge.

## WHAT COURSES ARE PART OF THE ENRICHED PROGRAM?

Robotics, Computer Technology, Academic Math, Academic Science, Physics

## WHAT ARE THE OPPORTUNITIES?

- Compete regionally at FIRST Technology Challenge
- Compete regionally and nationally at FIRST Robotics Challenge (Team 8081)
- Partner with local businesses to complete projects
- Volunteer at Summer Robotics Camp

