Electronics, Robotics and Programming

Look what's happening in Electronics, Robotics and Programming

From left, classmates include Andrew Fuller, Woodridge; Robert Tobin, Hudson; Gerald Smith, Woodridge; Brendan Schmitt, Stow-Munroe Falls; Nicolas Sabetta, Tallmadge; Anthony Sawyer, Roosevelt; Norman Mackay, Hudson; and Sydney Golden, Roosevelt.
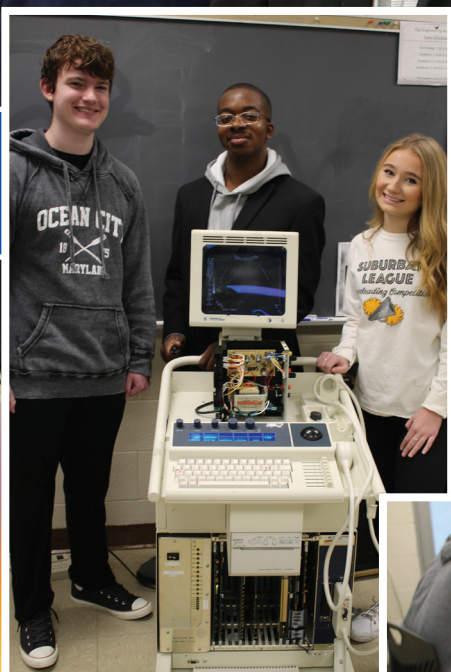
Brendan Schmitt, Stow-Munroe Falls; Gerald Smith, Woodridge; and Sydney Golden, Roosevelt; focus on the medical technology unit.
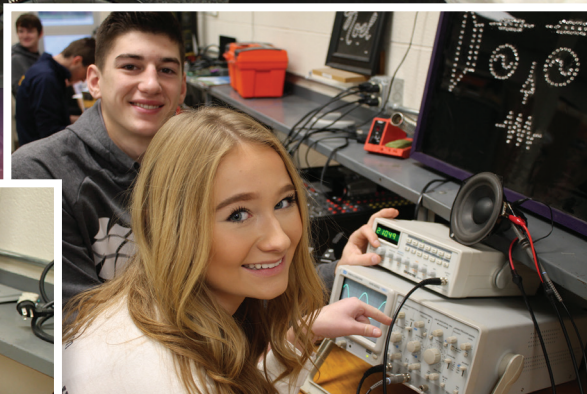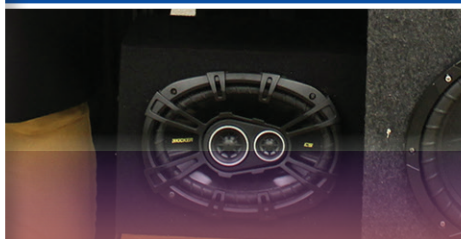
Roosevelt students Anthony Sawyer and Sydney Golden brainstorm ideas for their project.

Nicolas Sabetta, Tallmadge, focus on his circuit board.

College Tech Prep Electronics, Robotics and Programming

Career opportunities are abundant and increasing in the lucrative fields of electronics, robotics and programming. This program will provide students with great preparation in theory and hands-on experience by constructing analogue and digital circuits in projects which support the electronic theories learned. Employer-valued industry certifications are offered. Students who complete this Electronics, Robotics and Programming College Tech Prep Program will have opportunities to continue their studies in post-secondary education, enhance their skills in the military or directly enter the work force.

Skills necessary for success

- Imagination
- Ability to work independently and as part of a team
- Ability to follow directions and assume responsibility
- Written and verbal communication skills
- Disciplined self-starter
- Creative problem-solver
- Logical thinker who pays attention to detail
- Aptitude for precision work
- Manual dexterity
- Persistence to follow through on tasks

Professional pathways

- Renewable Energy
- Aviation
- Medical Technology
- Telecommunications
- Broadcast Engineering
- Information Technology
- Mobile Electronics
- Power Grid Production and Control
- Video and sound production
- Security and Surveillance
- Fire Detection and Alarm