



Robotics & Automation



GTI website <http://gti.graniteschools.org>

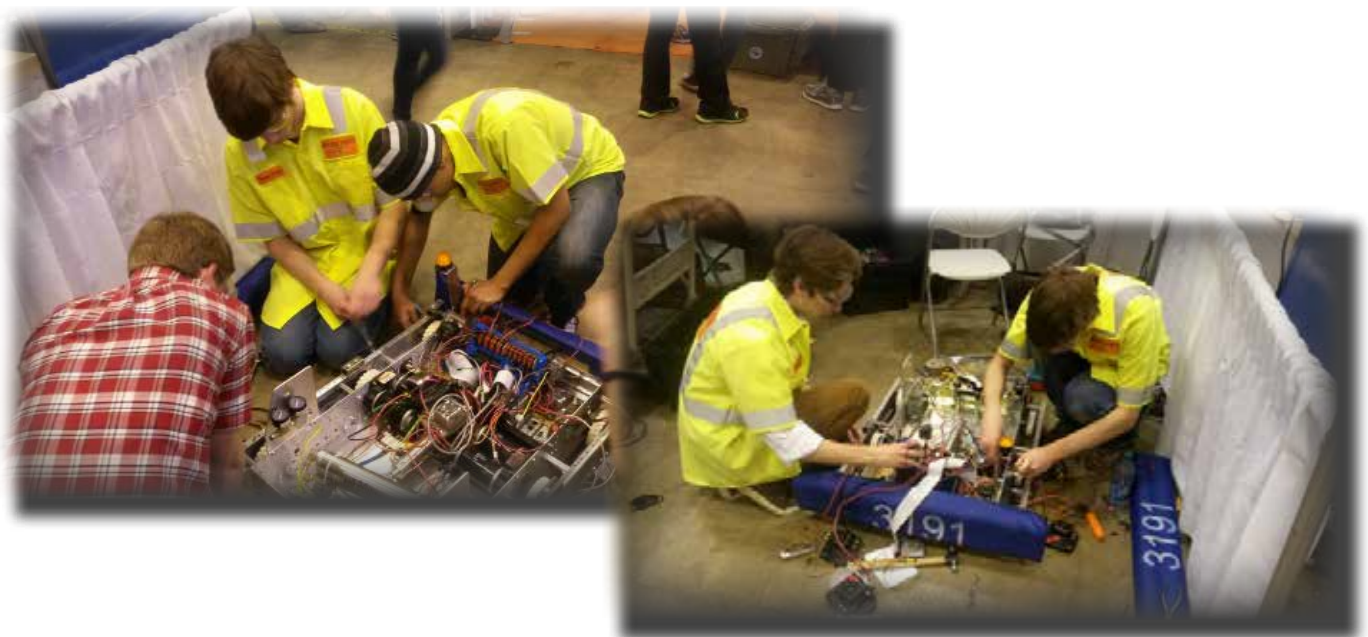
ROBOTICS



Course Information

Location:	Granite Technical Institute 2500 South State
Transportation:	School bus available to and from GTI
Offered to:	10-12 grades
Registration:	GTI Application (signed by parent)
Class Times:	2-period block
Credits:	1.0
Length:	Semester
Fees:	Lab fees required

Robotics & Automation is a lab-based, hands-on activities combining electrical, mechanical and engineering principles. Students will learn to design, build, program and control robotic devices by applying science, technology, engineering and math concepts. A study and application of electrical concepts will include: sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include: mechanical design, prototype development, design testing, programming, and proper engineer documentation. Industrial automation, robotic applications and career opportunities will also be discussed.



Granite School District is committed to providing educational and employment opportunities to students without regard to race, color, sex, religion, age, national origin or disability in accordance with Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendment of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans with Disabilities Act.

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