



**REX
MACHINA**
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T Trinity Christian School
Sharpsburg, Georgia

  
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www.RexMachinaTCS.com



Robotics, Drones, and Programming Summer Camp 2016 for Rising 4th-8th Grade Students

2015 Rookie All-Star and Industrial Safety Award-winning FIRST Robotics Team #5582 from Trinity Christian High School is excited to provide opportunities for local students to experience STEM (science, technology, engineering and math) during one, two or three weeks of fun summer camp!

Drones

Students will build quad-copter drones and fly them in a series of events judged on construction, piloting skill, and communication. They also will learn how Unmanned Aerial Vehicles (UAVs) are used to solve problems in our community and the world. Finally, they will have the chance to learn how to fly a larger drone and create aerial footage using the drone for surveillance. There will be only 10 spots per week of drones. Each pod will have five students to one facilitator.

Robotics

Students will build MINDSTORM EV-3 robots and program them for specific challenges. They will have a series of events that will be judged based on construction, maneuverability, programming skill, and "coopertition" (cooperating while competing). This session is directly modeled on FIRST Lego League (FLL), and your student would be well-prepared to join a competitive FLL team after the camp! Each pod will have 8 students to one facilitator.

Computer Coding/Programming

Students will learn computer science fundamentals such as problem decomposition, functions, loops, conditionals, digital citizenship, and internet transmission methods. They will have the opportunity to design and build their own web page, create a blog, and learn about internet safety. There will be only 16 spots per week of computer coding. Each pod will have 8 students to one facilitator.

Drones, Robotics, & Computer Coding: Session 1: June 13-17; Session 3: June 27- July 1

Girls Only STEM Week

This unique opportunity will be available for only 1 week. We will have female facilitators and female students who will work together to explore STEM through hands on activities. We will incorporate some of the activities from the drones, computer coding and robotics camps, and we will also do projects using chemistry and botany. Finally, we will learn about career opportunities in the STEM field. We will even have a few guest speakers to motivate our girls to break into STEM fields! There will only be 18 spots during the Girls STEM week. Each pod will have 6 students to one facilitator.

Girls Only STEM: Session 2: June 20-24

Fees

\$250 for one session | \$450 for two sessions | \$600 for three sessions

There will be a \$50 discount for one week or a \$75 discount for two weeks or a \$100 discount for three weeks for Trinity Christian School students once verified by administration.

Before Camp Care: \$7.50 | After Camp Care: \$20

Location

Turin Baptist Church, 29 Church St, Turin, GA 30289

Schedule

9am – 2pm | Before Care: Begins at 7:30 am | After Care: Lasts until 5:30pm

Questions

Contact RexMachinaTCS@gmail.com, Bethany Thomas, 404.450.8224 or Melissa Taylor, 678.517.2620

For more info or to sign up, please go to: <http://goo.gl/forms/UQwEWpMHXV> or scan the QR at right.

