



Empowering Students for STEM Careers

# STEM Saturday Classes

## For Grades 3rd-8th

### *Kid Animation*

Animation is everywhere—from movies and TV to apps and video games—and today’s tech-savvy kids know all about it. If your kid has an endless imagination, loves to draw and doodle, this class will allow them to dive into their imagination to translate it into something real.

*December 15, 2018 | 9:00 a.m. -12:00 p.m. | Cost: \$25*

### *Cool Coding and Rocking Robotics II*

New and current students are invited to attend this fun session with our Alpha robot. This session builds upon binary code and coding languages, along with coding and robotics activities that are super fun and interesting. Come and explore with coding tools such Sphero, Ozobots, Cozmo, Lynx and Coji. This is one session you don’t want to miss.

*January 26, 2019 | 9:00 a.m. -12:00 p.m. | Cost: \$25*

### *3D Modeling and Printing*

Bring your 3D creations to life in this new introductory session. Learn to design and print your very own 3D creations! The course will uncover the core processes behind 3D printing and reveal some of the most powerful capabilities of the 3D printing revolution.

*February 23, 2019 | 9:00 a.m. -12:00 p.m. | Cost: \$25*

# Aerial Robotics Drone Club

## For Grades 6th - 8th

Meets: January 26, 2019, February 2, 2019, February 23, 2019, March 16, 2019

From: 9:00 a.m. - 12:00 p.m.

### Beginner Aerial Robotics

This fun and exciting course is designed for middle school students. Using the SOAR implementation model for drone usage in a K-12 educational setting, students will learn about drone safety, operations, active learning and research.

Students will learn to fly a drone to complete simple tasks using drag and drop coding to complete an obstacle course challenge. In addition, students will have the option to learn and participate in an indoor skydiving experience. A smartphone or tablet is required for this class. In addition, students will have the opportunity to learn during an indoor skydiving field trip experience at an additional cost.

*Limited Seating Available | Fee: \$150.00 for semester*

### Advanced Aerial Robotics\*

This course is designed for middle school students. While developing their research, problem-solving and communication skills in order to design, build and fly their drones, students will work with their instructor and mentors to develop an innovative drone-based solution to a real-world problem in their community, state or world. The culminating goal of this course is for students to be able to compete with their drones during the spring semester. In addition, students will have the opportunity to learn during an indoor skydiving field trip experience at an additional cost.

*Limited Seating Available | Fee: \$150.00 for semester*

*\*Prerequisite: Previously enrolled during the fall semester or with instructor’s approval.*

*To register, go to [www.gystc.org](http://www.gystc.org). Registration deadline for the Aerial Robotics Drone Club is January 11, 2019. For additional details, you may contact our office at (470) 578-7592.*

*Located at: Kennesaw State University; A.T.O.M.S. Center; 3201 Campus Loop Rd, Kennesaw, GA 30144*