

# On-Campus Course Description

**November 16th**  
**9:30 am - 3:00 pm**

## Coding with a Twist

3rd - 5th

This session aims to introduce students to the field of Robotics and stimulate their interests in science and engineering through participation of the entire engineering design process. This course covers various multidisciplinary topics necessary to understand the fundamentals of designing, building, and programming robots. Students will have hands-on practice and demonstrate how to put together and code robots. During this session, students will be required to gradually complete the design and construction of a robot and follow the constraints and objectives for competing in the final project demonstration.

## LifeLab:

### Cells, Synapses, & Systems

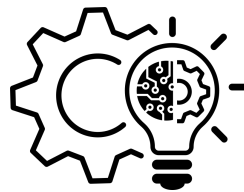
4th-6th

We will look at cells, and synapses and how those both play in our different body systems. We will play with a microscope and look at cells up close. Students will have hands on demonstrations of how cells work together to make up the different systems of the human body. We will explore the systems in the human body, how the individual cell works, and how it works as a team to make up each system.

## Mastering Microbiology for Middle Schoolers

6th-8th

This dynamic and highly informative course is designed for students who may have an interest in microbiology and the healthcare sciences. Throughout the course students will explore the scope of microbiology, infection and disease, infections of the body systems, and microorganisms in the environment and their effects on human health, and emerging infectious diseases. Enroll your future health care professional NOW!



## The Art of Drawing

5th-7th

Welcome to Drawing Class, where your imagination takes the lead! Whether you're a doodler or a detail-lover, this class is all about exploring your creativity. From sketching basics to bold masterpieces, we'll dive into techniques that make your ideas come to life. Grab your pencils, let's turn those blank pages into works of art!

## Mind Matters- Intro to Psychology

7th -9th Grade

Interested in taking AP Psychology? Let's explore the basic principles and theories of Psychology, including personality, learning, memory, intelligence, and human behavior. Each class would provide hands-on activities and/or demonstrations, such as identifying brain parts, memory activities, personality tests, and identifying types of abnormal behavior. Come discover and learn how and why our brains develop by studying and understanding mental processes, brain functions, and behaviors.



## Statistics Sanity

Grades-9th-11th



Through Statistics Sanity students will lay a foundation of statistical knowledge through fun experiments involving real-world data. Whether it be exploring the probability principles in a hands-on casino or conducting surveys about favorite candy or video games, students will collect, analyze, and draw conclusions in various settings. There will be projects students will create to help build skills in statistics. This is a great course to prepare students for high school or college Statistics. The use of technology (TI Graphing Calculator) and supplemental videos will be an integral part of the sessions.