



INSTITUTE OF MATHEMATICS EDUCATION, RESEARCH, AND INSTRUCTIONAL TECHNOLOGY

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SUNY College of Old
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To: Parents of Alumni and Current Students enrolled in The Institute of Creative Problem Solving.
From: Arthur L. Kalish
Director of the Institute of MERIT
Mathematics Education, Research, and Instructional Technology
Subject: Robotics Engineering Class for Eighth and Ninth Grade Students
Date: April 15, 2019

The Institute of MERIT is proud to offer a new program entitled Robotics Engineering. This course is aimed at students who are interested in designing, building and programming robots. It is only available to students who have successfully completed the ICPS program and who will be in grade 8 or 9 in September 2019. All students are expected to attend each of the 8 sessions.

This is a challenging and motivational learning experience driven by the students' own intelligence, invention, and inspiration. We are planning lots of fun filled activities that will develop critical thinking and team-building skills. Classes will combine applications in science, technology, engineering and mathematics, the basic STEM concepts.

This hands-on course will introduce students to computer programming and robotics. Students will be working in small groups with an open-source electronic prototyping platform called Arduino. This software allows each participant to write their own programs and then upload them to the electronics board. Participants will learn about sensors and actuators and understand differences between digital and analog signals.

The program will consist of 8 sessions, starting in September, and continuing through to early December. No classes will be held on Thanksgiving weekend. Each session will take place on Saturday morning from 9 AM to 11:30 AM at SUNY College at Old Westbury.

The 8 Saturday dates for 2019-2020 will be the following:

September 14, 21
October 5, 19, 26
November 2, 16, 23

I am very excited to be able to offer your child this wonderful opportunity at a tuition fee of only \$250. If you and your child are interested in applying for this program, please complete the enclosed application and return it to us as soon as possible. Class size is limited to 20 participants. Students will be admitted on a first come, first served basis.

Sincerely,

Arthur L. Kalish

INSTITUTE OF MERIT
in conjunction with
**THE INSTITUTE OF CREATIVE PROBLEM SOLVING FOR
GIFTED AND TALENTED STUDENTS**

Application for Robotics Engineering Course

Please complete the entire form. If you have any questions, please call or email (see below).

Students Name: _____

Address: _____

Phone: _____

Email: _____

Year enrolled in ICPS: _____ Grade Group (check one): 5/6 7/8 9/10

Grade as of September 2019 8 9 Check one: Male Female

Name of school attending in September 2019 _____

Parent Signature _____

Are you currently enrolled or have you ever taken a robotics class? If your answer is yes, please describe your experience.

In your own words, please explain why you would like to participate in this robotics engineering program. Feel free to continue your statement on additional pages.

Please return this form by mail, fax, or email by May 17, 2019. The fee to enroll in the class is \$250. Please make your check out to: Research Foundation of SUNY. Remember that class size is limited to 20 and that students will be accepted on a first come first served basis.

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