**SUMMER ENRICHMENT ACADEMY**

**Junior LEGO® EV3 (Ages 8-10)**

Register through Summer@Rensselaer: 518-276-6809  
http://summer.rpi.edu/

**WHEN**  
July 9 – 13, 2018  
OR  
July 16 – 20, 2018  
1 Week Full Day  
8:30am – 4:00pm

**WHERE**  
RPI Campus

**FEE $525**

**MAX 24 STUDENTS**

Who: 8-10 year olds  
Expand your creative interest in LEGO® building elements and learn technical fundamentals of programming and construction!

What you will learn  
Instructors will allow for students to learn through experimentation and gentle guidance using the LEGO® Mindstorms Education Core Set and software. The students’ experience will culminate in a final challenge that integrates complex building skills and basic programming. For example, teams may be asked to construct and program a robot that mimics an animal or an everyday object. Participants will be using an iconic programming language. This software, combined with the planned curriculum, creates a fun, fast-paced and exciting introduction to robotics!

Day 1 - Intro to Robotics & EV3 Software  
Day 2 - Intro to Sensors  
Day 3 - Activities using Sensors  
Day 4 - Work on Final Challenge  
Day 5 - Final Challenge & Presentation to Parents

Animation & Gaming and Junior LEGO® EV3 Robotics Enrichment Academy are facilitated by Rensselaer undergraduate students under the direction of professional Rensselaer faculty and staff. Please bring lunch, snacks and beverage.