

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



Rensselaer

CIPCE
Center for Initiatives in Pre-College Education

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**CIPCE – Main Office
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Jordan Vener (Program
Manager): venerj2@rpi.edu**

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.