

SUMMER ENRICHMENT ACADEMY

Animation & Gaming Academy (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

This 1 week full day enrichment program will provide young learners ages 8-10 with an opportunity to explore several aspects of gaming and computer programming, and a chance to create a variety of digital media. Participants will spend time exploring how to make animations, games, interactive art, and how to create their own cartoon characters, as well as animate photographs. The computer software used is an iconic-based program called SCRATCH that was developed at MIT to teach young children coding technique in an easy to understand and captivating manner. Projects will allow students to create and will include stories, games, greeting cards, interactive art, music & dance, Makey Makey Invention Kit, and more.

What you will learn

Participants will learn the fundamentals of computer programming. They will utilize various strategies for solving problems and designing projects. Students will practice communication skills by presenting and demonstrating their projects and creations to the class

Day 1 – Intro to Animation & Scratch Layout (Sprites, Background, Motion)

Day 2 – Interactive Art, Effects, If Statements

Day 3 – Broadcasts, Games, Data, Operators

Day 4 – Story Boarding Project

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.



Rensselaer

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