

UNI ENRICHMENT CAMP

University Laboratory High School
2013 Summer Enrichment Camp
(Camp Program Descriptions)

June 3-7, 2013
9:00 am to 3:00 pm

ROBOTICS

9:00 – 11:45 A.M. and 12:15 – 3:00 P.M. (June 3-7, 2013)

Location: **Teachers:** Neil Tewksbury/Charles Randall Larenas-Leach

Description:

Build and program robots in this session. Work with Lego Mindstorm kits and laptops to discover the possibilities and limits of robots, and NXT robots in particular. Learn how to improve the operation of NXT robots to allow them to run more accurately, especially for competitions such as FLL. Explore mathematical concepts that underlie the science of robots and computer programming. Go on mini-fieldtrips to visit top labs and scientists in the University of Illinois campus who work with and on robots every day.

AT THE READER'S REQUEST...

9:00 – 11:45 A.M. (June 3-7, 2013)

Location: **Teacher:** Samantha Douse

Description:

Have you ever been reading a novel and had to exclaim, "No! How could you!" at the main character? Well here's your chance to determine your favorite character's destiny! Give your audience the chance to tell the stories the way they want them. In this course we will dive into the "choose-your-destiny" stories and create your own story.

SPORTS AND FITNESS

9:00 – 11:45 A.M. (June 3-7, 2013)

Location: Uni Gym **Teacher:** Joel Beesley

Description:

Participate in assorted training activities to improve your personal fitness level. Play in a variety of sport activities such as running, dodge ball, basketball, soccer, baseball and kickball that will help you to enjoy an active lifestyle. Explore basic sports nutrition concepts and determine what role this plays in an athlete's nutritional needs. If you love sports, you will love this class.

ENGINEERING AND SCIENCE

9:00 – 11:45 A.M. (June 3-7, 2013)

Location: **Teacher:** Beth Westfall

Description:

Engineers strive to make a world of difference by finding solutions to world problems. In this class we will explore engineering and learn some of the science principles that are employed in order to solve problems. We will include principles of chemical, mechanical, civil and electrical engineering. Come learn how much fun science can be.

NARRATIVE WRITING**12:15 – 3:00 P.M. (June 3-7, 2013)****Location:****Teacher: Sushma Bridgemohan****Description:**

Students will create a digital narrative of a short biographical event in their lives. We will use scanners and computers along with pictures and Microsoft Photostory to share and create a lasting artifact of their biographical event.

PHOTOGRAPHY**12:15 – 3:00 P.M. (June 3-7, 2013)****Location:****Teacher: Jill Lagerstam****Description:**

Explore photography through the use of digital cameras. In this class you will learn about the history of photography, examine the work of famous photographers, learn how to improve your photos through composition, and explore ways to create mood in a photograph. Exploring the outdoor areas around Uni, students will use digital cameras to demonstrate composition, mood, and perspective in their photos. A digital camera is not required for this course.

ENTREPRENEURSHIP AND INVESTMENTS**12:15 – 3:00 P.M. (June 3-7, 2013)****Location:****Teacher: Julie Shapland/Karl Radnitzer****Description:**

In this week long course, students will learn about entrepreneurship and business ownership. Students will grow to understand the significance of small business to the U.S. economy and will actually start their own business- a lemonade stand! Students will begin by preparing a business plan, and consider various items such as ingredients, cost, quality, pricing, and locations. In the context of their lemonade stand students will be introduced to basic business principles such as capital acquisition, debt, budgeting, profit and cost. At the same time, students will be empowered to take responsibility for their own productive efforts and will also be encouraged to show good stewardship over their financial resources.