

Robotics Summer Camps 2011

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Assistant Director of the Science and Engineering Center, University of Texas at Dallas

Multiple States:

What: Digital Media Academy

Ages: 9-13 Weeklong courses during the summer at universities around the country. Working in pairs and small teams students will learn about topics such as gear ratios, locomotion and energy as they construct robots with the New LEGO® MINDSTORMS® NXT Robotics kit.

Cost: Residential \$1,210, commuter \$765 (www.digitalmediaadventures.com/tuition-kids-computer-camp/)

Contact: <http://digitalmediaacademy.org/courses/robotics.html>

iD Tech Camps - Hands-on Summer Tech Fun! (www.internalDrive.com)

Over 100,000 kids and teens worldwide have learned to create robots, C++ and Java programs, iPhone® and Facebook® apps, 2D and 3D video games, websites with Flash®, digital movies, animations with Maya®, graphic designs, and 3D models with products experts use in their professions. Ages 7-17 enroll in these fun and challenging, weeklong, day and residential summer camps, located at over 60 prestigious universities in the U.S. and Canada. This includes Stanford, Harvard, Princeton, MIT, UC Berkeley, Carnegie Mellon, Emory, UCLA and other universities. With one computer per student and an average of six students per staff, campers are given the attention they need to excel and complete a project by the end of the week.

Children's Technology Workshop icamp

http://www.ctworkshop.com/CTWBM/CTW_BM/Web/Search/QueryNew.aspx?ID=1

Grades: 2-8

Platform: LEGO RCX, Robolab, NQC, RIS

Phone: 617-395-7527

Email: info@ctwboston.com

Register: <http://bostonnw.ctworkshop.com>

California:

Who: Tech Museum of Innovation

Where: San Jose, CA

What: 9 full weeks of Lego Robotics to aspiring scientists and engineers.

Grades: 4th through 8th Hours: approximately 8:30am to 5pm, Monday through Friday.

<http://summercamps.thetech.org//schedule.cfm>

Who: ROBOTICS & THINGS

Platform: ROBOTIX - The Motorized, Modular, Space-Age Building System

Ages: 7-14 Years of Age

Program: 7th Annual Summer ROBOTICS Camp/Workshop (4-Sessions)

Where: Agoura Hills, CA

Dates: 5 sessions between June 27-Aug 19

Time: 9:00 AM - 3:30 PM DAILY. ALL 5-Sessions are Monday-Wednesday-Friday ONLY

Cost: \$199 + \$25/materials fee

Contact: Neal L. Friedman, Director

robot@roboticsandthings.com (E-mail)

888.222.1809 Toll-Free

<http://www.roboticsandthings.com> (URL)

What: Chaminade VEX Robotics Camp (Entering 7th- 12th grade)

Where: Chaminade College Preparatory (West Hills, CA)

When: July 18- July 22 9:00 AM – 3:00 PM

Platform: VEX

Cost: \$ 650

Contact: Andy Williamson awilliamson@chaminade.org

Online Registration begins March 15th @ <http://www.chaminade.org/SummerPrograms/start.htm>

Connecticut:

Who: Robotics & Beyond

Where: New Milford High School, New Milford, CT

When: July 11-15 and 18-22

Cost: \$245

Website: <http://www.roboticsandbeyond.com/>

Contact: Mike Morrissey and Paul Chayka, Directors

Who: Talcott Mountain Science Center

Where: Montevideo Road Avon CT

Platform: Mindstorms NXT and VEX

Ages: 9-14

Dates: Throughout July

Cost: Day camp \$270/week

Website: <http://www.tmsc.org/summer/catalog.html>

Contact: John A. Pellino, jpellino@g3.tmsc.org, (860) 677-0035

Florida:

Who: J. Paul Wahnish, SAE Engineer, PLTW CIM Master Teacher

Platform: Special designed metal kit with "Standards" curriculum

Grades: 3rd to 10th grade

Where: East Lake High School, Tarpon Springs, Florida

Website: <http://www.roboticsboosters.com>

Georgia:

Who: YES! Youth Engaged in Science

Where: Based in Metro Atlanta / North Georgia. We come to your location. Contact us for details.

Website: www.youthengagedinscience.com

Grades: 1st-12th

Platform: LEGO Mindstorms NXT, LEGO Education WeDo

Contact: 404.551.3993

Who: Wizkidz Science and Technology Centers

Where: Georgia Institute of Technology

Website: http://www.wizkidztech.org/summer_camps0.aspx

Illinois:

Who: eFun Explorations Academy

Where: Moraine Valley Community College in Palos Hills, IL (less than 25 miles southwest of downtown Chicago) and MVCC Education Center at Blue Island in Blue Island, IL (less than 20 miles south of downtown Chicago)

Contact: Larry Langellier Dates, langellier@morainevalley.edu, Moraine Valley Community College, 9000 West College Drive, T111 Palos Hills, IL 60465

Phone: 708-974-5627 (direct line)

Platform: LEGO NXT w/ NXT-G software Phone: 708-974-5627 (direct line)

Website: http://www.morainevalley.edu/vlc/eFun_Academy.htm (URL) Moraine Valley

Camp: Beginning, Intermediate, and Advanced Robotics

Who: Martin Hebel, Assistant Professor, Electronic Systems Technologies

Where: Southern Illinois University, Carbondale, IL

Platform: Parallax Boe-Bot

Ages: 11 - 18

Contact: 618-453-8806, mhebel@siu.edu

Website: <https://www.dce.siu.edu/index.php/Academic-Camps/>

Massachusetts:

Who: Mindsurfers

Platform: LEGO®MINDSTORMS™ and FIRST LEGO® League

Age: Girls and boys going into 5th – 9th grade

Cost: \$400

Contact and registration is on our website: <http://www.mindsurfers.org>

Location: Foxboro, Wellesley, and Sommerville, MA

Who: Frontiers II

Platform: VEX System

Where: Worcester Polytechnic Institute (WPI) , Worcester, MA

Dates: Junior Robotics Challenge: 11-15 July; LEGO NXT-based day camp for rising 3rd-5th graders.

Junior Robotics Challenge: 18-22 July; LEGO NXT-based day camp for rising 6th-8th graders.

Frontiers (Robotics): 24 July-2 Aug; VEX-based residential program for rising 11th-12th graders.

Advanced Robotics: 31 Jul-5 Aug; LEGO NXT-based residential program for rising 6th-8th graders.

Launch (Robotics): 8-12 Aug; VEX-based day camp (0900-1600) for rising 9th-10th graders.

Website: <http://www.wpi.edu/academics/Summer/programs.html>,

Contact: Ken Stafford, stafford@wpi.edu or Brad Miller, bamiller@wpi.edu

Who: Tufts University Center for Engineering Education and Outreach

Platform: LEGO®MINDSTORMS™

Age: Girls and boys going into 1st-8th grade

Cost: \$150-500

Contact and registration is on our website: www.ceeo.tufts.edu/summer2010

Location: Medford, MA

Michigan:

What: Brain Monkeys Summer Camp

Where: Ann Arbor and Bloomfield Hills Michigan

When: June 27 - September 1

Platform: Robotics with LEGO Mindstorms, C Programming, Arduino, Electronics, Soldering, Engineering, Opportunities to Invent your own robot, Stop Motion Animation, Mythbusters Science and more

Cost: \$250 - \$450 with scholarships available

Contact: Go to www.brainmonkeys.com for more details

What: Autonomous Robotics Camp at Lawrence Tech in Michigan

Who: Dr. CJ Chung, Computer Science Professor, chan2chung@yahoo.com

Where: Lawrence Tech Univ., 21000 West 10 Mile Rd., Southfield, MI 48075

Platform: L2Bot with a webcam using Java

Time: day camp, 9am-4pm

Grades: 10-12th

Cost: \$500 day camp/\$600 residential
Sponsor: Lawrence Technological University
Website: http://www.ltu.edu/community_k12/summer_camps.asp

What: MCWTF Girls Technology Camp 2009
Who: Dr. CJ Chung, Computer Science Professor
Where: Lawrence Tech Univ., 21000 West 10 Mile Rd., Southfield, MI 48075
Platform: NXT using NXTG; (also the camp teaches web design) Dates of camp: July 16-20, 2008
Time: day camp, 9am-4pm
Grades: 6-7th (only for girl students)
Cost: less than \$50
Sponsor: Michigan Council of Women in Technology Foundation

Nebraska:

Who: Edgerton Explorit Center,
Where: 208 16th Street, Aurora, Nebraska
Platform: LEGO NXT
Cost: \$200 for non-members, \$180 for members
Age: 9 to 14
Topics: 4H GEAR-Tech 21 Robotics / GPS / GIS Camps
· Year 1 (Beginner) June 12 - 17, 2011
· Year 2 (Advanced) Aug 7 - 12, 2011; Prerequisite: Year 1 Camp
Contact: Mike Randall (mike@edgerton.org).(402)-694-4032, www.edgerton.org

New Hampshire:

Who: FIRST Place, firstplace@usfirst.org
Where: FIRST, Manchester, New Hampshire
Platforms: NXT, RCX, Vex, Other
Topics: Robotics
Grades: 1-10 grades, ages 6-16
Times: 9:00AM - 3:00PM Daily, Monday-Friday
Fees: Vary by camp (\$270-\$380). Family & multi-camp discounts available.
Registration: Opens March 3rd
Website: <http://www.usfirst.org/community/firstplace/content.aspx?id=824>

Camp: RoboTech
What: Camp RoboTech for ages 7-17
Where: Nashua, NH, Long Island, NY, and MA
Platform: Sony AIBO, Laptop Robots, MindstormsNXT
Contact: Registrations online at
www.robotechcenter.com
or call 1-603.888.6102 to register.
Naveena Swamy, Co-founder & CEO
RoboTech Center
110 Daniel Webster Highway, Nashua NH 03060 robots@robotechcenter.com

New Jersey:

What: Annual Robotics Summer Camp,
Where: The College of New Jersey, Ewing, New Jersey
When: Fundamental Session: July 10-15, 2011

Advanced Session: July 17-22, 2011.

Both Sessions: July 10-22, 2011.

Platform: C Stamp BOL-BOT

Grade: High School students completing the freshman, sophomore, or junior year Web Site:

<http://www.tcnj.edu/~summer/programs/roboticscamp.html>

Cost: \$1,224 for one session or \$2,669 for both sessions (includes a non refundable \$29 application fee).

Contact: Orlando Hernandez, hernande@tcnj.edu

Who: Storming Robots

Where: 3322 Rt. 22 West, Suite 402, Branchburg, NJ 08876

When: June 27 to end of August (Mon-Fri) 9 to 3 with flexible after hours

What: Build from scratch: From simple machines to legged robots

Focus on automation: From simple motions control programming to advance level in increasing awareness to the environment

Platform: LEGO Mindstorms

Grade: Three groups: Gr. 2 to 3, Gr. 4 to 6, and Gr. 7-12

Website: for summer only : <http://summer.storming-robots.com/>

for year-round : <http://www.stormingrobots.com>

Cost: \$225-\$510, depending on session

Contact: Elizabeth Mabrey, elizabeth.mabrey@stormingrobots.com, admin@storming-robots.com

Pennsylvania:

Who: Robin Shoop, Director

Running your own robotics camp at

http://www-education.rec.ri.cmu.edu/content/products/feature_previews/products/camps_on_disk/camps_on_disk.htm

Have you ever thought about running a robotics camp? Many teachers do exactly that every summer. It allows them to offer an extracurricular activity that excites both children and parents, helps students better understand the world in which they live, offers a unique forum to help kids learn math and science, and can even open the door for discussion of a full time robotics class in schools. And it can help pay the bills during those long summer months, too!

West Virginia:

What: DUPLO, Technology, Robotics and art Camps.

Where: Marshall University, Huntington, West Virginia

Platform: Mindstorms, LEGO technology, and DUPLO,

Description: 1. Young builders will set-up a world with playground, stores, parks and zoo, homes and work places and transportation.

2. Third to 8th graders will build LEGO gears, pulleys, levers, wheels and axles into machines to solve a hundred challenges.

3. Advanced classes will focus on programming as they work on fun engineering challenges.

4. Create with Mindstorms and art materials

Contact: Linda Hamilton, hamilton@marshall.edu (304) 696-7166

Website: <http://www.marshall.edu/LEGO/Summer2010/Summer2010.html>

on <http://www.marshall.edu/LEGO/>