






2009 *FIRST*- related Events Calendar

NEMO has compiled this listing of off-season competitions, workshops and summer camps related to *FIRST* programs as an information service. These may or may not be official *FIRST* functions. Check with the organizers if you have questions. If you have additional events to add, please send them to kathiek at firstnemo.org.




Where possible, events are listed with the following icons, indicating which *FIRST* programs they relate to:


-  Junior *FIRST* LEGO® League or *FIRST* LEGO® League
-  *FIRST* Tech Challenge
-  *FIRST* Robotics Competition
-  NEMO

April


- 17  **NEMO Annual Meeting**
World Congress Center
Atlanta, GA
10:00 a.m. to 12:00 noon, Room C207, World Congress Center
Please join Kathie Kentfield and Jane Young in a lively discussion of issues concerning your team and meet other mentors as well! Open to adult/college mentors from all *FIRST* programs. Come and Go as you can!
More information: Kathie Kentfield, kathiek at firstnemo.org

May

- 8-9  **BattleCry 10**
Worcester Polytechnic Institute
Worcester, MA
Information: www.wpi.edu/+BC
- 9  **NEMO Workshop on Team Organization**
Held at BattleCry
Worcester Polytechnic Institute
Worcester, MA
Information: Kathie Kentfield, kathiek at firstnemo.org
- 9  **PARC XII (Pennsylvania Robot Challenge)**
Tunkhannock Area High School, Tunkhannock, PA
Information at: <http://asp.shinraikon.com/parcxii/registration.aspx>

- 16  **Monty Madness**
 Montgomery Township High School
 1016 Route 601
 Skillman, NJ
 Information: <http://www.montymadness.org>
- 30  **Robofest 2009**
 Saunders Trades and Technical High School
 Yonkers, NY
 Information: jnunez at saunders.ypschoools.org

June

- 6  **Bridgewater-Raritan Battle Royale**
 Bridgewater-Raritan Regional High School
 600 Garretson Road
 Bridgewater, NJ 08807
 Information: <http://br2.panztech.com/>
- 6  **Mayhem in Merrimack**
 Merrimack High School
 Merrimack, NH
 Information: www.chopshop166.com
- 13  **Where is Wolcott? Invitational**, hosted by FRC 1071 and 228
 Wolcott High School
 457 Boundline Road
 Wolcott, CT 06716
 Information: <http://www.max1071.com/>
- 13  **NEMO Workshop on Team Organization at Where is Wolcott? Invitational**
 10:00 AM - noon
 Wolcott High School
 457 Boundline Road
 Wolcott, CT 06716
 Information: Kathie Kentfield kathiek at firstnemo.org
- 20  **Alien vs Predator** (FTC and VRC event)
 Downingtown Education Center
 335 Manor Avenue
 Downingtown, PA 19335
 Information: www.stemrobotics.org
- 26-27  **Michigan Advanced Robotics Competition (MARC)**
 Monroe High School
 901 Herr Rd.
 Monroe, MI 48161
 Information: Steven Ketron, ketron at Monroe.k12.mi.us (label subject "MARC")

July

- 6-10  **FIRST Adventures**

2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages 6-7

Students will explore the how's, why's and what if's of transportation. To increase our understanding, we will explore what the world is doing and planning in order to travel from place to place, and then create moving models by building with LEGO's. This camp is based on the newest JrFLL program. We will share what we've learned and built with family and friends on Friday. To register:

<https://my.usfirst.org/fp/campregistration/site.lasso>

6-10  **Robots, Robots, Robots**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages 11-15

Is there such a thing as too many robots? Teams will design robots, take apart, and rebuild robots and finally compete in an exciting FIRST-style competition on Friday afternoon. We will be using the new FTC robot platform which combines the Tetrax kit with the NXT Mindstorms brick and incorporates both autonomous and operator-controlled play. This week will be chock full of hands-on problem solving for students new to building as well as those with some previous experience. Robots will be showcased on Friday afternoon.

<https://my.usfirst.org/fp/campregistration/site.lasso>

13-17  **FIRST Adventures**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 8 – 9

Students will explore the how's, why's and what if's of transportation. To increase our understanding, we will explore what the world is doing and planning in order to travel from place to place, and then create moving models by building with LEGO's. This camp is based on the newest JrFLL program. We will share what we've learned and built with family and friends on Friday.

<https://my.usfirst.org/fp/campregistration/site.lasso>

13-17  **RoboLab 2.9**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 11 - 15

Description: This camp is designed for the advanced programmer - kids who want to learn something new, or improve upon their current RoboLab skills. Both the FLL and FTC programs use the NXT Mindstorms brick for their robots, and this workshop will help you learn to program in something other than NXT-G. We'll spend time writing programs, learning how to create subroutines, and practicing using strategic and logical thinking while testing our robots with one of the past FLL Challenges. Family and friends will be amazed and impressed by new programming skills showcased on Friday. <https://my.usfirst.org/fp/campregistration/site.lasso>

20-24  **Jr. Invention Challenge**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 9 - 11

During this week of camp we will explore the futuristic realm of science and technology with applied robotics. During the week of camp, we will use the LEGO MINDSTORMS system to design, build, and program autonomous robots to explore challenges that are only as limited as your imagination. Each summer we have the honor of testing out the brand new FLL challenge before it's revealed to teams. On Friday, we will show off our engineering marvels in a friendly competition to family and friends. <https://my.usfirst.org/fp/campregistration/site.lasso>

20-24  **Zany Zoobots**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 10 - 13

How does a snake slither gracefully through the underbrush without legs? How does a hedgehog unfurl

and quickly walk away from harm? Engineers struggle to create robots that demonstrate the stability, mobility and equilibrium that exist in the natural world and we're just beginning to see robots that look and move like humans and animals. In this robotics camp, students will research and observe live animals as they work in teams to design and build LEGO robotic animals that mimic the real thing. We will focus on mobility, adaptations and the senses animals use to safely navigate their environments. The "zoo" will open for visitors at 1:00pm on the final day of the camp! Note: This is an intermediate level camp which requires previous LEGO camp or FLL team experience.

<https://my.usfirst.org/fp/campregistration/site.lasso>

27-31 **Rock Climbing: A Sport of the Mind**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 13 – 16

<https://my.usfirst.org/fp/campregistration/site.lasso>

27-31 **RoboGirls**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 9 - 14


Calling all girls! Come have a week of fun and learning while building and programming robots to overcome challenges. You'll practice teamwork, strategizing and problem solving while uncovering your many talents and abilities. Bring along a friend, and make some new ones in the process. We'll share our accomplishments with family and friends on Friday. REMEMBER - the person who said, "May the best man win", never asked a girl to play!! <https://my.usfirst.org/fp/campregistration/site.lasso>

27-31  **Geared Up**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH

Ages: 7 - 9

This camp is designed for kids who can't get enough of creating with LEGO's. We'll start off learning the basics of good structure and mechanical advantage - then add gadgets, gears, wheels and power - and off we go! Family and friends will get to marvel at the fantastic creations and inventions on Friday.

<https://my.usfirst.org/fp/campregistration/site.lasso>

31-Aug 1  **Indiana Robotics Invitational (IRI)**
Off-season event hosted by FRC Teams 234, 45 and 393.
Lawrence High School
Indianapolis, IN
Information: www.indianaroboticsinvitational.org






August

3-7  **Jr. Invention Challenge**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH




Ages: 9 - 11

During this week of camp we will explore the futuristic realm of science and technology with applied robotics. During the week of camp, we will use the LEGO MINDSTORMS system to design, build, and program autonomous robots to explore challenges that are only as limited as your imagination. Each summer we have the honor of testing out the brand new FLL challenge before it's revealed to teams. On Friday, we will show off our engineering marvels in a friendly competition to family and friends.







<https://my.usfirst.org/fp/campregistration/site.lasso>

- 3-7 **Archimedes' Workshop**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH
Ages: 6 - 7
The Greek philosopher Archimedes originated the idea of the simple machine around the 3rd century BC. In this camp, we'll be learning the basics of gears, wheels & axles, levers, and pulleys which are fundamental to understanding more complex mechanisms as kids grow and progress. These critical building blocks will be put to use in an imaginative and magical display for family and friends on Friday.
<https://my.usfirst.org/fp/campregistration/site.lasso>
- 5-6  **Robo Showdown**
Austin Convention Center
Austin, TX
- 10-14  **Sr. Invention Challenge**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH
Ages: 12 - 14
During this week of camp we will explore the futuristic realm of science and technology with applied robotics. During the week of camp, we will use the LEGO MINDSTORMS system to design, build, and program autonomous robots to explore challenges that are only as limited as your imagination. Each summer we have the honor of testing out the brand new FLL challenge before it's revealed to teams. On Friday, we will show off our engineering marvels in a friendly competition to family and friends.
<https://my.usfirst.org/fp/campregistration/site.lasso>
- 10-14 **Archimedes' Workshop**
2009 FIRST Discoveries Summer Science Day Camp
FIRST Place, Manchester, NH
Ages: 8 - 9
The Greek philosopher Archimedes originated the idea of the simple machine around the 3rd century BC. In this camp, we'll be learning the basics of gears, wheels & axles, levers, and pulleys which are fundamental to understanding more complex mechanisms as kids grow and progress. These critical building blocks will be put to use in an imaginative and magical display for family and friends on Friday.
<https://my.usfirst.org/fp/campregistration/site.lasso>
- 22  **3rd Annual Battle O' Baltimore**
Park School
2425 Old Court Road
Baltimore, MD
Information: <http://www.battleobaltimore.com/>
- 22  **NEMO Meeting**
At Battle o' Baltimore
12:00 noon
Information: Robyn Needel, needel at comcast.net
- 22  **Dr. Jekyll vs. Mr. Hyde** (FTC and VRC event)
Downingtown Education Center
335 Manor Avenue
Downingtown, PA 19335
Information: www.stemrobotics.org




September


- 27  **Bear Brawl 2**
Western New England College
Springfield, MA
Information: www.wnecrobotics.com
- TBD  **Beantown Blitz**, hosted by Northeastern Univ. and FRC Team 125, the NUTRONS
Matthew's Arena, Northeastern University, Boston, MA
Information: beantownblitz at gmail.com
- TBD  **Mission Mayhem**
Ft. Lauderdale, FL
Information: www.missionmayhem.org


October

- 3  **Bash @ the Beach (tentative date)**
Lyme, CT
Information: www.batb.us
- 3-4  **VirginiaFIRST Robot Rumble**
Virginia State Fair, Meadow Event Park, Doswell, VA
Information contact Dee Tomczak: robotstoo at aol.com or www.virginiafirst.org
- 10  **Duel on the Delaware**, Co-hosted by FRC 365 (MOE) and FRC 316 (LuNaTeCs)
Salem County Community College
Carneys Point, NJ
Information: John Larock, John.A.Larock at usa.dupont.com
- 10  **West Michigan Robotics Invitational**
Hosted by FRC 74, 85, 904, 2771
Grandville High School
Grandville, MI
More Information: www.wmri.net
- 17  **5th Annual Deer Park Invitational**
Deer Park High School
30 Rockaway Avenue
Deer Park, NY 11729
Information: Chuck Burg at burg.c at DeerParkSchools.org
- 17  **CAGE Match 2009**
Southport Fieldhouse
Indianapolis, IN
Information: <http://cagematch.wordpress.com>


23-24  **Tempest 'n Tampa (TNT)**
University of South Florida Sun Dome
Information: www.roboticsboosters.com/tnt

24    **Rah Cha Cha Ruckus**
Webster Thomas High School
Webster, NY
Information: ruckus.penfieldrobotics.com

31  **Brunswick Eruption 8**
North Brunswick Twp High School,
North Brunswick, NJ
More information will be posted at: <http://be.raiderrobotix.org/>

31  **River Rage 13**
West High School
Manchester, NH
For more information: Ed Forcier, elf305 at yahoo.com

November

14  **Ramp Riot 2009**, 10th Annual Robotics Competition, Sponsored by NASA Goddard Space Flight
Center and FRC Team 341
Wissahickon High School,
Ambler , PA
9:00 a.m. - 5:00 p.m.
For more information: Alan Ostrow, aostrow at wsd.k12.pa.us

TBD **Savage Soccer**
Worcester Polytechnic Institute (WPI)
Worcester, MA
For more information: www.wpi.edu/~savage

December