

2010

Summer Camps



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AND *BLAST-OFF* ON AN "OUT OF THIS WORLD" SUMMER ADVENTURE
WITH

iSPACE!

iSPACE invites YOU to sign on as a crew member and take part in an incredible summer experience.

Ignite your imagination as YOU build and program robots, discover the "ups and downs" of living and working in space, experience the thrill of building and launching radical rockets, encounter exciting engineering endeavors, and more!

Week-Long Day Camps and Special Mini-Camps*

* Days and Hours Vary – See Website for Details

Rising K-1 Grade Campers
M-F (9AM - Noon) \$175

Rising 2nd – 12th Grade Campers
M-F (9AM - 2 PM) \$225



REGISTRATION
OPENS

FEBRUARY 15,
2010

Register at
www.ispacescience.org

Sign Up Early - "Space" is Limited!

Need Additional Information?

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Camps offered in June and July
Northern Kentucky and Cincinnati Locations

2010 iSPACE CAMP SCHEDULE

2 Locations: Northern Kentucky University & iSPACE at Scarlet Oaks (Sharonville, OH)

Week of July 12 – iSPACE Only

Week of June 14 at NKU
Week of July 19 at iSPACE

Week of June 21 at NKU
Week of July 26 at iSPACE

Rising Grades K-1 (Half-Day)
Rising Grades 2-3
Rising Grades 4-5
Rising Grades 6-7
Rising Grades 8-10

<p>Scientist, Scientist <i>(New for 2010)</i></p> <p>Scientist, scientist, what do you see? I see fun looking at me! From starry skies to kitchen chemistry to insects or a rainbow world of colors, junior scientists will explore a different science topic each day based on award winning Eric Carle books such as The Very Quiet Cricket, The Mixed-Up Chameleon or Pancake, Pancake.</p>	<p>"Not So Simple" Machines</p> <p>Even the youngest campers will enjoy exploring engineering skills and architectural design as they build with LEGO Duplo to create some crazy contraptions. Connect these hands-on building adventures with favorite children's literature selections and this camp will be cranking out some serious fun.</p>	<p>Three Bears in Space</p> <p>Join our three space bears, Gemini, Mercury and Apollo as they explore the wonders of our Solar System. They'll help you create your own constellations, experiment with light, discover just how giant those giant planets really are, and "high five" you as you launch your very own rocket.</p>
<p>LEGO Engineering FUNDamentals</p> <p>Are you a LEGO-Maniac? Use motors, gears, pulleys, levers, wheels & axles to go radical and create awesome LEGO creations! Mom and Dad will love the fact that you're learning awesome engineering skills. You will love the fact that you are having an awesome time with new friends who share your love of LEGO. Make plans for building some fun this summer.</p>	<p>LEGO WeDo Robotics</p> <p>Lions and tigers and airplanes, oh my! Airplanes? That's right... airplanes. Come on a wild LEGO adventure as we build and program WeDo LEGO robotic models, share some silly stories and create some crazy crafts! Look out - this summer is going to be filled with roaring lions, chomping alligators, dancing birds and more!</p>	<p>Astronaut Training Challenge</p> <p>iSPACE challenges you to take on the role of an astronaut in training as you build, test and launch rockets, create your own space food recipes, check out the G's in gravity, investigate the inner workings of spacesuits, design habitat modules, and discover just what it does take to be an astronaut. Come see if you have the right stuff and still be home in time for dinner.</p>
<p>Space Systems Engineers</p> <p>"All systems are go" – depending on your engineering and teamwork skills, that is. Design & test launch recovery systems, tap into your creativity to problem solve during V.E.E.P. (Vertical Egg Experiment Project), watch your carefully designed air-powered rocket soar sky high and launch a rocket carrying precious cargo. Make it your mission to engineer some fun this summer!</p>	<p>Mechanisms in Motion (LEGO + T-Bot II)</p> <p>Get a lift out of your summer as you build and operate mechanisms that are powered by pneumatics and hydraulics. You are in control as LEGO models and Syringe-Bots come to life in your hands. Mighty machines are about to get mightier. Get ready to pump up the action with mechanisms in motion at camp this summer.</p>	<p>Robo-Blast</p> <p>Calling all cadets to enlist in this exciting summer camp adventure where you will work in teams to build and program LEGO Mindstorm robots using the Robotics Invention System and the RCX controller. A successful mission is sure to take place when you combine LEGO robots, fun challenges, a rocket and lots of new friends.</p>
<p>The NXT Challenge</p> <p>Are you ready for the next challenge in robotics? Campers are invited to step up to the newest generation of LEGO robots. Expand your engineering, programming, and teamwork skills as you build and program autonomous LEGO NXT robots in order to meet the challenge of the day. Challenge yourself to see what's NeXT.</p>	<p>Radical Rockets</p> <p>Looking for an exciting way to beat the heat this summer? Forget the water hose – launch a water bottle rocket instead! We bet you won't even notice how wet you are as you watch your rocket soar high above. Then, it's back to the drawing board to design an even better rocket. (Warning: you might get wet more than once!) Take your rocketry skills to the next level by using computer simulations to test rocket designs and flight conditions before launching your own model rocket. Put it all together and you'll discover that teamwork makes for a successful and action-packed week of high flying fun.</p>	<p>Bio-Bots (Biomimicry + Robots)</p> <p>Discover where and why NASA looks to nature for answers when designing robots to explore our solar system. Using LEGO NXT robots, some creativity and maybe just a little "animal instinct," robots are sure to be hopping (and crawling) this summer.</p>
<p>No Camp Session Scheduled</p>	<p>Lunar-Bots</p> <p>NASA is going back to the moon and needs robots to pave the way for a sustained human presence. Campers will embrace this same challenge by incorporating previously acquired skills with LEGO Mindstorm robots and relying on some serious teamwork. A successful mission depends upon building a fleet of robots that work together to construct a lunar base camp! (NOTE: Previous RCX or NXT programming experience is strongly suggested.)</p>	<p>Flight Factory <i>(New for 2010)</i></p> <p>Set your sights on soaring to new heights with some high flying fun this summer. Use your aeronautical skills as you design a variety of wings and put them to the test in a wind tunnel. The sky just may not be the limit this summer as you also build, test and fly gliders, airplanes, hot air balloons and more.</p>

Please be sure to check the iSPACE website for our new Mini-Camps.

There will be a variety of camps offered this summer at iSPACE ranging from 1-3 day and evening sessions.

