

Spring DIY Days And Summer Break Activities

Learning for Life - For Boys & Girls grades 1st +!



Spring Activities

DIY Day Sunday, June 8th 2014 1-4PM

Grades 3rd and up (1st and 2nd with parent or responsible adult)

Robot Vision with Lowell Dad Burk Murray \$15

Learn one way to give your robot vision, with pan and tilt with the easy-to-use Pixy sensor by Charmed Labs and Carnegie Mellon. Sounds like greek to you? Don't worry! It's for beginners! Then roll into Minecraft play, do LEGO bending and patterning or print up something on our 3D printer! Three hours of fun and learning!

Summer Break Activities

Weeks	Monday	Tuesday	Wednesday	Thursday	Friday
July 7 th to 11 th AM	Cub Scout Day Camp: Incoming 1 st graders 9AM -12 Noon				Los Fierros Cub Scout Picnic
July 7 th - 11 th All Day	Cub Scout Day Camp: Incoming 2 nd - 5 th graders 9 AM - 3 PM				
July 21 st to 25 th		Game Design & Merit Badge 6-8:30 PM			
July 28 th to Aug 1 st		Game Design & Merit Badge 6-8:30 PM			
Aug 4 th - 8 th		Game Design & Merit Badge 6-8:30 PM			
Aug 11 th - 15 th		Game Design & Merit Badge 6-8:30 PM			
Aug 18 th - 22 nd AM	Week long Game Design & Merit Badge 9 – 11:45				
Aug 18 th - 22 nd PM	Karakuri (Paper Automata) & Electronic Moving Displays 1 – 3:30				
Aug 18 th -19 th All day	3D Photography & Video 9 AM – 3 PM				
Aug 18 th - 20 th AM	Radical Robotics VEX One (Shared Science) 9:15 – 11:15				
Aug 18 th - 21 st AM	Leonardo Says Duh! (Shared Science) 9:15 - Noon				
Aug 25 th - 29 th AM	2D Computer Based Game Development with Unity 9-11:45				
Aug 25 th - 29 th PM	Computer Game Lab 1 – 3:30				

All classes except the Cub Scout Day Camp will be at the ** Long Beach Sea Base and Aquatics Center ** 5875 Appian Way, Long Beach. **

Cub Scout Day Camp will be held at the Bayshore Church, 5100 The Toledo, in Belmont Shore

Summer Break Activities (See class descriptions for age restrictions)

Cub Scout Day Camp at Bayshore Church Incoming Grades 1-5 \$110/\$120 (late reg) July 7th - 11th 9AM – 3 PM.

Crafting with LEDs, Sock Softies, simple circuits, Rube Goldberg, Sports, Giant Ball Games, Nature and Cub Scout community at the Bayshore Church in Belmont Shore. New scouts welcome! *Youth entering 1st Grade experience a ½ day program and must be accompanied by a concerned adult. **Return form/pmt for preregistration and we will send you a registration package.**

Summer Evening Game Design Club and Merit Badge Grades 3+ \$109 4 Tuesdays July 22nd, 29th, August 5th, 12th Class

6-8:30 PM. Learn about design of games: dice, board, card games and discuss game engines. Includes a preliminary look at game engines. Note: This is not a computer based game development class. It is intended to take the youth through the thought processes involved in designing a game. Participants who are Boy Scouts will make progress towards the Game Design Merit Badge.

LEONARDO SAYS DUH! With Shared Science Grades 1-5 \$125 August 18-21, Monday-Thursday, 9:15 a.m. – noon.

Constructors explore Da Vinci contraptions, using cues from nature to guide builds for walking, flying, rolling and more! A LEGO Brick-Plus class, with LEGO as well as other fun build activities.

Radical Robotics VEX One With Shared Science Grades 4-8 \$125 August 18-20, Monday-Wednesday, 9:15a.m. –

11:15a.m. Programming basics with VEX hardware robots and RobotC.

Game Design and Merit Badge Grades 3+ \$159 August 18th - 22nd 9 AM – 11:45 AM. See description for Summer Evening

Game Design Club and Merit Badge.

Karakuri (Paper Automata) and Electronic Moving Displays Grades 3+ \$159 August 18th - 22nd 1:00 PM – 3:30 PM

Two PMs working on kinetic paper sculptures, then learn just enough about electricity and electronics to make kinetic creations. Work on something to take home and learn skills to get started on your Halloween costume and moving display. Perform exercises with LEDs, buzzers, motors & sensors using the Arduino, then put it all into play in your own lit up and/or motorized creation. Includes take home Arduino, servo motor and other electronic components & use of a Sparkfun Electronics Kit during classes.

3D Photography and Video Editing Grades 3+ Price \$109 August 18th & 19th (to be confirmed) 9 AM – 3 PM. Work with

3D photographer and author Barry Rotstein who will share techniques in 3D photography in these two full days of 3D then learn how to edit the photos to make awesome pop up phantograms and 3D video sequences.

2D Game Development with Unity Grades 3+ \$159 August 25th - 29th 9 AM – 11:45 AM. Computer based 2D game

development with the Unity engine. Participants who are Boy Scouts will make progress towards the Game Design Merit Badge

Game Lab Grades 3+ \$60 August 25th - 28th (4 days) 1:00 PM – 3:30 PM. Self-driven open lab time if you have taken the

Game Design or Game Development classes with us. Work on your game design, your game characters or your game in Unity during this mentored community time. *Instructor presence is at their discretion.

Parent Name:	Child:	Phone:
Parent Email:	Address:	
Class (please return by June 13th)	Cost	My Cost
Cub Scout Day Camp at Bayshore Church	\$100.00 & \$10 T-Shirt	
Summer Eve Game Design & Merit Badge	\$109.00	
LEONARDO SAYS DUH!	\$125.00	
Radical Robotics VEX One	\$125.00	
Game Design and Merit Badge	\$159.00	
Karakuri (Paper Automata)/Electronic Moving Displays	\$159.00	
3D Photography and 3D Video Editing	\$109.00	
2D Game Development with Unity	\$159.00	
Game Lab	\$60.00	
Total Enclosed:		

Checks should be made payable to Long Beach BSA for A/C 1680134420 and mailed or hand delivered to: **401 E. 37th**

Street, Long Beach, CA 90807. Credit card payment call 562-427-0911 x230. More info on program, call Trish 562-225-9589 or email handmadepenguin@yahoo.com. register your email at: <http://makersville.net/contact/>

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