



# S.T.E.M./ “Maker Camp”

## LHC—Sam Swope Scout Center

December 22, 23, 24 & 29, 30, 31



December 22nd	December 23rd	December 24th	December 29th	December 30th	December 31st
<b><u>Astronomy</u></b>	<b><u>Digital Tech</u></b>	<b><u>Electricity</u></b>	<b><u>Space Exploration</u></b>	<b><u>Robotics</u></b>	<b><u>Engineering</u></b>
9am—5pm	9am—5pm	9am—1pm	9am—5pm	9am—5pm	9am—5pm
<ul style="list-style-type: none"> <li>• Astronomy Merit Badge</li> <li>• Boy Scout NOVA “Shoot”</li> <li>• Cub Scout NOVA “Science Everywhere”</li> <li>• Astronomy Belt Loop</li> </ul>	<ul style="list-style-type: none"> <li>• Digital Technology Merit Badge</li> <li>• Scout NOVA “Tech Talk”</li> <li>• Cub Scout Computers Belt Loop</li> <li>• Cyber Chip</li> </ul>	<ul style="list-style-type: none"> <li>• Electricity Merit Badge</li> <li>• Batteries, circuits, wiring, switches</li> <li>• Build your own Flashlight</li> <li>• LED’s</li> <li>• Science Belt Loop</li> </ul>	<ul style="list-style-type: none"> <li>• Space Exploration Merit Badge</li> <li>• Model rockets and propulsion</li> <li>• Boy Scout NOVA “Start Your Engines”</li> <li>• Cub Scout NOVA “1,2,3 Go!”</li> <li>• Egg Drop Con-test</li> </ul>	<ul style="list-style-type: none"> <li>• Robotics Merit Badge</li> <li>• Boy Scout NOVA “Whoosh”</li> <li>• Cub Scout NOVA “Swing”</li> <li>• Lego, Robotics, &amp; more</li> <li>• Mathematics Belt Loop</li> </ul>	<ul style="list-style-type: none"> <li>• Engineering Merit Badge</li> <li>• Boy Scout NOVA “Designed to Crunch”</li> <li>• Design, Construct, &amp; Test</li> <li>• Bridge Building</li> <li>• Catapult Building</li> <li>• Pinewood Derby Car Design and Build</li> </ul>

This winter break, the Lincoln Heritage Council is offering a STEM/ “Maker Camp” for Scouts & their Scout-aged siblings. These 6, one-day camps, offer a full range of science, math, and engineering activities, with specific instruction for Cub Scouts (grades 1-5) and Scouts (grades 6 and up). You can register for one or all six days. Each day is self contained. Participants will work on Merit Badges (Boy Scouts), Belt Loops (Cub Scouts), as well as NOVA Awards. Workshops will be led by local college engineering students (& Eagle Scouts), as well as Honors Engineering high school students & Science teachers (all Scouts or Scouters). Each day costs \$35 and includes all supplies and materials. Participants should bring lunch from home, but snacks will be provided. Workshops will be held at the Sam Swope Scout Center. Each day will be limited to 50 participants. Payments can be made by check or credit card; and can be mailed, brought to the office, or paid by phone.

Mail or bring in to:

**Lincoln Heritage Council**

**Attn: STEM/Maker Day Camp**

**12001 Sycamore Station Place**

**Louisville, Ky. 40299**

Phone: 502-361-2624

Fax: 502-361-7899

Check all that apply

Dec 22: \_\_\_\_\_ Dec 29: \_\_\_\_\_

Dec 23: \_\_\_\_\_ Dec 30: \_\_\_\_\_

Dec 24: \_\_\_\_\_ Dec 31: \_\_\_\_\_

Acct#: 1-6701-261-21

#Days \_\_\_\_\_

X\$35 = \_\_\_\_\_

(per youth)

Amount to be charged: \_\_\_\_\_



## About the NOVA Awards Program

The Boy Scouts of America's NOVA Awards program incorporates learning with cool activities and exposure to science, technology, engineering and mathematics for Cub Scouts, Boy Scouts, and Venturers. The hope is that the requirements and activities for earning these awards stimulates interest in STEM-related fields and shows how science, technology, engineering and mathematics apply to everyday living and the world around them. Counselors and mentors help bring this engaging, contemporary, and fun program to life for youth members.

### The Nova Awards

There are four Nova awards for Cub Scouts, Webelos Scouts, Boy Scouts, and Venturers. Each award covers one component of STEM—science, technology, engineering, or mathematics.

For their first Nova award, Scouts earn the distinctive NOVA award patch. After that, a Scout can earn three more Nova awards, each one recognized with a separate pi ( $\pi$ ) pin-on device that attaches to the patch. The patch and the three devices represent each of the four STEM topics—science, technology, engineering, and mathematics. During this Camp, participating Scouts will earn the NOVA award patch, shown below, and have chances on additional days to earn up to 3 pi pin-on devices, shown above.

### The Supernova Awards

The Supernova awards have more rigorous requirements than the NOVA awards. The requirements and activities were designed to motivate youth and recognize more in-depth, advanced achievement in STEM-related activities.

For earning the Supernova award, Scouts receive a medal and certificate.

*All completed Merit Badge and Belt Loop requirements will be handed out so Scouts can finish anything remaining on their own.*

*A note for Boy Scouts attending the STEM/ Maker Camp: it will not be possible in all cases to complete every merit badge offered during the week. A list of requirements that will & will not be covered for each merit badge will be published on the website by December 1<sup>st</sup> and forwarded to all registered participants. At the end of each day a “Blue card” and or summary of all requirements completed will be given to each Scout. Scouts will need to work with Troop leaders and Merit Badge Counselors to complete any remaining requirements.*



Youth Name: \_\_\_\_\_

Unit: \_\_\_\_\_ Email: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Emergency Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_

(If paying by credit card)

Name on card: \_\_\_\_\_

Card # \_\_\_\_\_ Exp Date: \_\_\_\_\_ CVC: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

\*please provide written documentation of any allergy or medical conditions we should be aware of.

\*\*Is there a Custody Agreement? y/n \_\_\_\_\_ Please provide documentation.

\*\*\*Adults authorized to pick up:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_