STEM ADVENTURE
SCIENCE EVERYWHERE & START YOUR ENGINES
FEBRUARY 20, 2016 - MACOMB COMMUNITY COLLEGE

WHAT IS IT?
The first Great Lakes Field Service Council STEM Adventure will be held on the Macomb Community College Campus and will bring together NOVA Counselors and Macomb Community College instructors in an effort for Cub Scouts and Webelos to get hands on experience with achieving the “Science Everywhere” NOVA module (limited to the first 60 Wolves, Bears or Webelos) in the morning. The Boy Scouts will gain practical experience working on “Start your Engines!” NOVA module (limited to 60 Scouts) in the afternoon.

ACTIVITIES
We will conduct 3 different STEM rotations that will allow your Cub Scout/Webelos to meet each of the “Science Everywhere” NOVA requirements (except the separate Adventure, which needs to be completed before attending.) The Boy Scouts will meet each of the “Start Your Engines!” NOVA requirements (except the separate Merit Badge, which needs to be completed before attending.)

Sessions will include

Cub Scouts/Webelos

Build your own Catapult  
(Requirement #3 A+B+C)

How Science effects everyday life  
(Requirement #4 A+B and #5)

Science research and Adventure review/Hovercrafts  
(Requirement #1 and #2)

Prior to day of (Requirement #1 – Bring questions from your research and #2 – Complete one Adventure from the approve list)

Boy Scouts

Designing and building a working model vehicle  
(Requirement #4 A+B+C+D)

Merit Badge review and Energy sources and uses  
(Requirement #2 and #3 A+B+C)

Review of research and how Technology affects your everyday life/  
(Requirement #1 and #5)

Rubber band cars

Prior to day of (Requirement #1 – Bring questions from your research and #2 – Complete one Merit Badge from the approve list)

WHEN & WHERE?

February 20th, 2016 at Macomb Community College – Center for Advanced Automotive Technology  
(Building M – Map on next page)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>8:30 AM</td>
<td>Cub Scout/Webelos Check-in</td>
<td>Building M – Auto Lab (M115)</td>
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<tr>
<td>8:45 AM</td>
<td>Opening</td>
<td>Building M – Auto Lab (M115)</td>
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<tr>
<td>9:00 AM</td>
<td>1st Rotation</td>
<td>Building M (M102, M104, M125)</td>
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<tr>
<td>10:00 AM</td>
<td>2nd Rotation</td>
<td>Building M (M102, M104, M125)</td>
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<tr>
<td>11:00 AM</td>
<td>3rd Rotation</td>
<td>Building M (M102, M104, M125)</td>
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<tr>
<td>12:00 PM</td>
<td>End of Session</td>
<td>Building M (M102, M104, M125)</td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Boy Scout Check-in</td>
<td>Building M – Auto Lab (M115)</td>
</tr>
<tr>
<td>12:45 PM</td>
<td>Opening</td>
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<tr>
<td>1:00 PM</td>
<td>1st Rotation</td>
<td>Building M (M102, M104, M125)</td>
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<tr>
<td>2:00 PM</td>
<td>2nd Rotation</td>
<td>Building M (M102, M104, M125)</td>
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<tr>
<td>3:00 PM</td>
<td>3rd Rotation</td>
<td>Building M (M102, M104, M125)</td>
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<tr>
<td>4:00 PM</td>
<td>End of Session</td>
<td>Building M (M102, M104, M125)</td>
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SUPERVISION?

All Units must have two-deep leadership in accordance with Youth Protection Guidelines and **ALL** adults must have completed Youth Protection Training.

COST?

Early Bird $20 per Scout if registered by **February 12th, 2016**. $25 as of February 13th, 2016. Registration closes on February 19th. No phone registrations allowed.

To qualify for the Early Bird, payment and registration must be in the office by Friday, February 12th – no exceptions! No phone registrations allowed.

You can register on-line at www.michiganscouting.com/Program/STEM by scrolling to the bottom of the web page under "Upcoming Events" by clicking on the link.

MORE INFO?

For questions or more information, please contact Great Lakes Field Service Council STEM Executive:
Eric Suender  248-672-8804  eric.suender@scouting.org

Parking

Those who register will receive more detailed instructions as the event date approaches. Currently, we are expecting to have participants and their parents park in parking lot 8 and enter in the east entrance of Building M.

Lunch and Snacks:

Please bring your own lunches and snacks, as they will not be provided. There is water fountains in the building, but you may want to bring your own water bottle or beverage.

**NOVA Awards:**

We will recognize those who participate in the event and have completed their Adventure/Merit Badge requirement prior to attending the event. You can visit www.michiganscouting.com/Program/STEM for more information on each of the requirements or purchase a NOVA book from the Scout Store.

Your Scout must complete one of the following Adventures/Merit Badges to qualify for the NOVA Award:

**Wolf Cub Scouts:**

Adventure in Coins, Collections and Hobbies, Digging in the Past, Germs Alive! or Grow Something.

**Bear Cub Scouts:**

A Bear Goes Fishing, Bear Picnic or Critter Care.

**Webelos Scouts:**

Camper, Earth Rocks! or Maestro.

**Boy Scouts (Merit Badges):**

Automotive Maintenance, Aviation, Canoeing, Cycling, Drafting, Electricity, Energy, Farm Mechanics, Motor boating, Nuclear Science, Railroading, Small-Boat Sailing, Space Exploration or Truck Transportation.

**LIMITED TO THE FIRST 60 CUB SCOUTS/WEBELOS AND FIRST 60 BOY SCOUTS**