For the 28th summer, the Kopernik Observatory & Science Center in Vestal, NY is offering week-long camps for students entering grades 2-12 for the 2020/21 school year. Sponsored by the Link Foundation, in memory of inventor/explorer Edwin A. Link, the Link Summer STEM Exploration camps offer hands-on, high-tech adventures in science, technology, engineering, and math (STEM) in a fun and nurturing environment. Camps run Monday to Friday from 9 a.m. to 3 p.m. Early drop-off and late pick-up options are available.

**Rocket Design**  (Engineering, students entering grades 6-8)  
July 6 - 10
This camp will introduce students to the history, rocket design and building. Students will start by learning about the history of the space program including recent advances by private industry including Space X and Boeing. Then students will be introduced to building simple, single stage rockets. As the week progresses, they will advance to more complex designs, including multiple stage rockets and rockets with special recovery systems. Rockets will be tested for flight worthiness before launch!. *Camp tuition includes an additional $20 material fee.

**Creative Construction**  (Engineering, students entering grades 6-8)  
August 3 - 7
In this camp students will exercise their creativity and explore engineering as they learn how to design and build a variety of things, including model buildings, weight-bearing structures, and powered vehicles. Students will start by learning how to read a blueprint and then use foam core to build a detailed 3-D scale model of the Kopernik Observatory. Next they will learn about designing structures that have to carry loads and construct a bridge from wooden craft sticks and test it to see which team’s bridge holds the most weight. Finally students will design and build a mousetrap-powered car and race the cars to determine which team’s car is the fastest and travels the farthest. This will be a great opportunity to test out the design process and turn ideas into reality. *Camp tuition includes an additional $20 material fee.

**Entering a Virtual Universe**  (students entering grades 6-8)  
July 27 - 31
In this NEW camp students will take their first steps into a larger, virtual world where anything is possible! They will learn about the past, present, and future of virtual reality (VR) and how the technology works. Students in this camp will build their own VR headset that can be used with a smartphone to view a wide variety of content. Using a VR creation tool, campers will create a virtual environment which they will explore up close using their headset. In addition, they will create a virtual tour of Kopernik which can then be shared with the world in VR! Each day of camp will also offer the chance to test out a state-of-the-art VR experience including a flight aboard the ISS and even a trip to the Moon! *Camp tuition includes an additional $20 material fee.

**The Search for Life Beyond the Earth**  (STEM, students entering grades 6-8)  
July 13 - 17
Students attending this camp will explore the search for life beyond the earth. How do we know that what appears to be life is really life? Is a model of life based on earthly life sufficient? Evidence of life may appear as fossils. Students will go on a fossil hunt and produce 3D photographs of collected specimens. They will explore the role of DNA in life, and experiment with extracting DNA from living material such as fruit. The students will consider searching for life not only on Mars, but also other places such as Enceladus, a moon of Saturn. Finally, students will look to the stars, and consider life on planets orbiting distant stars. We will study the NASA Kepler mission, which searches for Earth-like planets orbiting other stars.

**Return to the Edge of Space**  (STEM, students entering grades 8-12)  
August 3 - 7
In August 2019, Kopernik students designed, built, launched, and recovered a weather balloon that reached an altitude of over 101,000 feet (19 miles). This summer, students will have the opportunity to build on the experience of last year’s campers and add new experiments including sending pictures back, via radio, during the flight. Using video cameras in the balloon payload, students will record the ascent and journey of the balloon. As the balloon rises, the beautiful blue sky will turn an inky black and the cameras will show the curvature of the earth. Students will track and recover the payload using a GPS beacon.
Kopernik Observatory & Science Center
Link Summer STEM Exploration Camps
For students entering grades 6 - 12 during the 2020/21 school year

The Kopernik Observatory & Science Center is a great place for middle and high school students during the summer. Kopernik camps bring together students with similar interests from across the region, giving them an opportunity to make friends from other school districts and have lots of fun, too!

Camps have a maximum enrollment and many fill quickly each year. Register early to avoid disappointment. Register before June 2 to avoid late registration fee. Early drop off and late pick up are available for a modest fee.

Save $10 on each additional camp when registering a sibling or registering for more than one camp. Rebate will be given at the end of each additional camp.

Register for camps online at www.kopernik.org or fill out and return this registration form.

Please check the session(s) for each camp your child will attend:

<table>
<thead>
<tr>
<th>LSSE Camp (focus, grades)</th>
<th>Dates of the Camp</th>
<th>Member / Non-Member Tuition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rocket Design (Engineering, 6-8)</td>
<td>7/6 – 7/10</td>
<td>$210* $240*</td>
</tr>
<tr>
<td>Creative Construction (Engineering, 6-8)</td>
<td>8/3 – 8/7</td>
<td>$210* $240*</td>
</tr>
<tr>
<td>Entering a Virtual Universe (Engineering, 6-8)</td>
<td>7/27 – 7/31</td>
<td>$210* $240*</td>
</tr>
<tr>
<td>The Search for Life Beyond the Earth (STEM, 6-8)</td>
<td>7/13 – 7/17</td>
<td>$190</td>
</tr>
<tr>
<td>Return to the Edge of Space (STEM, 9-12)</td>
<td>8/3 – 8/7</td>
<td>$190</td>
</tr>
</tbody>
</table>

* (Tuition includes Material fee)

Student name: ____________________________ Gender: □ Male □ Female Grade in 2020/21: __________
Parent/Guardian/Grandparent name: ____________________________ Student’s Birthdate: __________
Address: __________________________________________ City/St/ZIP __________________________
Phone: ____________________________ Email Address: ____________________________________________________________ (please write legibly)
Enclosed is: $__________ (checks payable to “Kopernik Observatory”) □ KOSC Member □ Yes □ No (□ * add $60 to join)
Credit Card # __________________________________________ □ Visa □ MasterCard □ Discover
Name on Credit Card __________________________________________ CVV code (3 digit code) _______ Expiration Date: __________
Address of Credit Card Holder __________________________________________ Phone: ____________________________
(if different than above address)

□ Request Financial Aid – please see website for a Financial Aid form. Aid offered on a financial need basis.

Each student receives a Link Summer STEM Exploration T-Shirt (included in the tuition). Please indicate shirt size:

□ Youth Small □ Youth Medium □ Youth Large □ Adult Small □ Adult Medium □ Adult Large □ Adult X-Large

□ Check this box if you do not want to your child to be photographed during the camp

For more information call (607)748-3685 ext. 308 or visit our website at www.kopernik.org

Students must register and pay in full in order to secure a place in the camp. Late registrations will be permitted if space is available (call to inquire). Refunds are available (less a $15 administration fee) if student withdraws 14 days prior to the start of camp. In case of cancellation due to insufficient enrollment, participants will be notified one week in advance and will receive a full refund. Registration after June 1 is subject to a $20 late registration fee.

Please describe on a separate page if student has an IEP, an aide at school, or needs any special educational, behavioral, or physical accommodations.

Complete this registration form and mail it to: LSSE2020 KOSC, 698 Underwood Rd, Vestal, NY 13850

or email it to: registration@kopernik.org or fax it to: (607)748-3222

Date Received ______________ DB ____ QB ____