



KOPERNIK OBSERVATORY & SCIENCE CENTER

698 UNDERWOOD ROAD, VESTAL, NEW YORK 13850
PHONE (607) 748-3685 * FAX (607) 748-3222 * WWW.KOPERNIK.ORG

Summer 2013 Public Program and Event Schedule

Special Summer Hours for Friday night programs in June and July

Doors open at 8 p.m.; programs start at 8:30 p.m.

\$5 adults; \$3 seniors/students; \$16 family maximum KOSC Members: no charge

June 7: Science Revolutions: Advances Powered by Crowds - Caren Cooper, PhD, Cornell University
Learn about citizen science, science done by amateur or nonprofessional scientists, and how it can deliver two keys that humanity needs to create a sustainable world: reliable knowledge and social capital. Citizen science is still in its infancy and if we grow it, we have an opportunity to develop systems of engagement and participation aimed at collective problem-solving. *Repeats June 14*

Saturday June 8: Special Event – RocketFest 2013 9 a.m. to 6 p.m.

Join the excitement of the fifth annual KOSC RocketFest. Build and launch your own rocket! Three sessions and more rocket model selections will make this RocketFest a real blast! All ages welcomed! Visit www.kopernik.org for details and event schedule.



June 14: Science Revolutions: Advances Powered by Crowds - Caren Cooper, PhD, Cornell University
See June 7 for details



Moonlight Café
Saturday, June 15 8 p.m. to 10 p.m.

Looking for something different to do on a Saturday Night? Fly to the Moon and mingle under the stars at this adults-only evening at Kopernik Observatory & Science Center. KOSC is transformed into a ***Moonlight Café*** where you can enjoy fresh-brewed coffee, tea, and delicious desserts along with a fascinating introduction to the stars and outer space. As darkness falls, move to the telescopes to view the Moon and Saturn if the sky is clear. End your heavenly evening lingering at the gazebo with your cup of coffee and a breathtaking view of the night sky! (If cloudy, you get a pass to come back another night for telescope viewing.)

Register through Broome Community College Continuing Education, call 607-778-5012
Cost including dessert is \$24 per person.

June 21 & 28: Rock Hounding: Hands-on Geology – Roy Williams, KOSC Staff

Learn about different types of rocks and how they are formed. Find out how rocks change from one form to another through the rock cycle. See a variety of samples from the KOSC collection of rocks, fossils and meteorites. Bring your own samples to be identified.

July 5: The Great Telescope Dust-off – KOSC Staff

Is there a telescope collecting dust in a corner of your basement, garage, or attic? Dig it out and bring it up to Kopernik! KOSC experts will assess its condition and show you how to set it up and use it. There is always a lot to see in the sky. Let KOSC help you *Look Up and Dream Big*.

July 12: Summer Stars – KOSC Staff

See the latest Hubble Space Telescope images and learn how to locate the International Space Station (ISS) as it flies over Broome County! Weekly program topics will vary and include free star maps, constellation training, and space videos. There will be telescope tours and magnificent viewing through KOSC's powerful telescopes if clear skies prevail. Bring your telescope up to Kopernik and get expert advice on how to assemble and use your scope. *Repeats July 26*



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Summer Hours for Friday night programs continue in July:
Doors open 8 p.m.; programs start 8:30 p.m.

July 19: Geocaching: Modern Treasure Hunting – Larry Pfister, Cortland Geocacher

Learn about geocaching, a popular treasure hunt game that uses a hand-held GPS and/or cell phone. See how to get started in this family-friendly activity. Rules, terms, equipment, and techniques of geocaching will be explained. Depending on weather, time, and questions, we will hunt for the geocache located at KOSC.

July 26: Summer Stars – KOSC Staff *See July 12 for details*

Starting in August, Friday night programs are back to regular times!
Doors open at 7:30 p.m. - Programs begin at 8 p.m.

August 2: Benefits of Home Energy Efficiency – Adam Flint, Cornell Cooperative Extension

Increasing the energy efficiency of residential housing is a crucial step in making our community more sustainable. Learn how to cut your energy bills and increase the comfort and safety of your home, while lowering your carbon footprint and boosting the local economy. Southern Tier residents who have improved their homes with measures such as insulation, air sealing and new heating systems have enjoyed average savings around \$700 through the Green Jobs Green New York Program. At this workshop from Cornell Cooperative Extension's Energy Leadership Program you will have the opportunity to sign up for a free comprehensive home energy assessment by a certified contractor. Just bring one copy of your energy bills to take the first step in making whole-house energy improvements.

August 9: Comets & Meteors – KOSC Staff

See images of comets. Touch a meteorite and see a comet made right in front of your eyes. Kids will color in a glow-in-the-dark comet. Learn how to view the on-going Perseid Meteor Shower. See images of past meteor showers and learn about collisions that could devastate the world. If clear, see the beginning of the Perseid meteor shower.

Saturday, August 10 through Tuesday, August 13: Perseid Meteor Shower – CLEAR ONLY

Join us under Kopernik Observatory's dark skies! Bring a lounge chair and blanket and prepare to see the bright meteors of the Perseid meteor shower. This shower is predicted to produce up to sixty meteors per hour! Call (607) 748-3685 after 5 p.m. or check the Kopernik website for sky conditions.

August 16 & 23: Future Technology – Dr. Keith Werkman, PhD, Lockheed-Martin

What does the future hold for us? This presentation will focus on how present and future technology might affect our lives. Includes discussion of artificial intelligence, robotics, nanotechnology, and more! Discover what advances are potentially feasible over the next 100 years given the laws of physics.

