



Kopernik Observatory & Science Center

698 Underwood Road, Vestal, NY 13850
Phone: 607-748-3685 * Fax: 607-748-3222 * www.kopernik.org



Birthday Parties at Kopernik Observatory & Science Center

Have a fun, science-themed birthday party at Kopernik Observatory & Science Center (KOSC)! Parties start with an hour of kid-friendly science programming on a topic of your choice, featuring the birthday child as the star! Then children gather for an hour in the party room (a transformed science lab) for your cake and goodies. A refrigerator and freezer are available for food storage. Small prizes/favors are available for purchase at our gift shop.

- Birthday Party Package: \$150 for up to 12 children; \$6 for each additional child
(member rate): \$130 for up to 12 children; \$5 for each additional child.
- One adult per child is free!
- Birthday child receives a free KOSC T-shirt!
- Weather permitting; telescopes will be available for solar or night sky viewing.

Please indicate your choice of science program:



- Light and Lasers
- Star-finders / Constellations
- Air Rockets
- 3D Constellations
- Comets and Meteors



Birthday Child's name: _____ Age: _____ T-shirt size _____

Date of Party: _____ Time of Party: _____ # of Attendees _____

Parent/Guardian/Grandparent name: _____

Address: _____ City/St/ZIP _____

Phone: _____ Email Address: _____

Enclosed is: \$ _____ (checks payable to "**Kopernik Observatory**")

Name on Credit Card _____ Visa MasterCard Discover

Credit Card # _____ Expiration Date _____ CVV code (3 digits) _____

A \$25 non-refundable deposit is required to book a party. The balance is due three days prior to the date of the party. Refunds will be given (less the deposit) if party is cancelled at least 24 hours prior to the party.

*Mail or fax this form with deposit to:
Birthdays @ KOSC
698 Underwood Road, Vestal, NY 13850*

Science Programs for Birthday Parties at the Kopernik Observatory & Science Center



Lights and Lasers – This program will take place in our darkened physics lab, where rainbows sparkle and stars glow in the dark. Guests will experience a variety of colored light demonstrations. They will see different energized gasses glow, each having its own unique colorful display. Guests also will learn about different lasers, see how they interact with various substances, and use laser audio projection to “see” music! Finally, guests will make an energy bead bracelet or glow worms (birthday family chooses when booking party).

Appropriate for ages 5 - adult

Stars and Constellations – This program also takes place in our darkened physics lab, where guests will see glowing and sparkling stars energized by KOSC’s black lights. They will learn about the myths and legends of the night sky. Finally, guests will make a star-finder that they can take home or make a 3D constellation model in the lab (birthday family chooses when booking party). The star-finder is a movable map for locating stars and constellations in the sky throughout the year. Guests will make the 3D constellation model in the physics lab, hang it from the ceiling, and then observe it from a variety of angles.

Appropriate for ages 6 - adult

LEGO WeDo Robotics – Kids of all ages love creating things with LEGOS. In this highly interactive program, children will use the innovative WeDo LEGOs platform to build and program mechanical birds that dance and sing! As time permits, guests will have the opportunity to reprogram the birds to change their movement and their sounds.

Appropriate for ages 7 - 10

Air Rockets – Rockets are a blast at KOSC! At the start of this popular program, guests will watch footage of classic NASA rocket launches that were early steps into space, the final frontier. Then guests will build their own paper rocket and launch it into the sky. These rockets are easy to make but they fly well and can achieve altitudes of up to 100 feet! After the launch, guests can retrieve their rockets and take them home! For the grand finale, the birthday celebrant will get to launch one of KOSC’s high-flying Estes Model rockets.

Appropriate for ages 7 - adult

Comets and Meteors – In this program, guests will learn about meteors, which often are called shooting stars, and comets. They will learn what causes shooting stars and how to best observe a meteor shower. Guests will get to touch an actual rock from space and will enjoy a tour about space rocks in KOSC’s Computer Lab. Finally, they will see a comet made right in front of their eyes!

Appropriate for ages 8 - adult