



KOPERNIK SOCIETY OF BROOME COUNTY, INC.

READY, SET, GO and EXPLORE

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Kopernik Observatory & Science Center
Credits: Kopernik Observatory & Science Center

Through hands-on activities, students in grades 3-8 will investigate: how astronauts get ready for spaceflight, how to protect the astronauts so they are set to travel safely, the orbital mechanics of sending spacecraft to go to distant locations, and create habitats for the astronauts so they can explore the moon and Mars. The students, from an inner-city and rural school districts, will learn about the importance of exercise and diet and make the connection to the science behind those efforts; explore various types of radiation, with a

focus on light (visible and otherwise); test various materials protect astronauts and equipment; learn what it takes to launch from Earth and successfully rendezvous with an object in orbit; and design, build, and test their own 3D-printed habitat model.

List of Partners:

- Binghamton Central School District
- Candor School District

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