



INTERNATIONAL SPACE KAMP PROGRAM DETAILS

ENGINEERING & ROCKETRY

1. **Rocket Lab:** Campers will gain a foundational understanding of rocket science and use that knowledge to build paper rockets, water rockets, and various other rocket types, which they will launch from the "Rocket Launch Site." All participants will record the apogee, which is the highest point reached by their own rockets, during the camp.
2. **Robot Lab:** Children will learn the basics of building and modeling robots through hands-on activities.
3. **Friendly Maker Space:** Campers will creatively reuse waste materials to design new and useful items. Through this hands-on activity, they'll develop awareness of environmental conservation and the importance of reusing and redesigning for a sustainable future.
4. **Morse & amateur radio:** Campers will build their own Morse code devices and learn the basics of Morse code communication.
5. **Space Engineering:** Campers will explore different types of space technology, both past and present, and complete hands-on engineering tasks inspired by real-world space missions.
6. **Hydroponics / Growool:** Hydroponics is the science of growing plants without soil. Campers will complete a series of tasks that follow the process from seedling to full plant growth using this method. They will also learn how this technology is used in space missions and understand the importance of space farming.
7. **Drone Training:** Campers will learn the basics of drone flight and control through simulation.

SPORTS

8. **Frisbee:** Campers will play classic frisbee games, learning to throw and catch the flying disc while enjoying active fun outdoors.
9. **Kite:** Campers will fly professional kites, learning how to control their movement and enjoy the fun of kite flying in the open air.
10. **Spike ball:** This sport has rapidly gained popularity in recent years and is known for combining techniques and elements from various other sports. It is suitable for play in outdoor fields, gymnasiums, or on sand.
11. **Cornhole:** This sport is not only highly accessible but is also rapidly gaining popularity in many countries around the world. It is suitable for all age groups. Players score points by throwing a small weighted bag toward a platform with a hole from a designated distance.
12. **GeoCatching / Navigation:** Campers will use maps, clues, or compass devices to search for hidden objects, learning basic navigation skills through this adventurous outdoor activity.

13. **Boomerang**: Campers will learn to throw and catch a boomerang, discovering how its curved shape and spinning motion allow it to return to the thrower.
14. **Climbing wall**: Campers will challenge themselves by climbing a vertical wall.
15. **Trampoline**: A safe, secure trampoline will be available for campers to enjoy active fun and exercise.
16. **Mountain Bike**: Campers will ride specialized mountain bikes along a prepared trail designed to challenge their skills and endurance.

SPACE & SCIENCE

17. **STARS Game**: This is a collection of fun and engaging space-themed challenges and one of the most exciting parts of our camp experience. It includes a variety of interactive tasks such as:
 - Postcard to Space: A postcard that will be sent to space aboard a Blue Origin spacecraft.
 - Essential Knots
 - Fire Crafter
 - Bull Ring
 - Electric Circuit
 - Spider Web
18. **Space Tour**: All campers will visit the capital city, Ulaanbaatar, and tour Astro Park and the Chinggis Khan Museum.
19. **Astronaut Challenge**: This is a collection of beginner-level tasks that are essential for anyone aspiring to become an astronaut in the future. It includes:
 - Moon Survival Test
 - Low Rope Course
 - Obstacle Run
 - Platform
20. **Space VR Chair**: Campers will wear VR glasses and experience the sensation of traveling through the universe.
21. **Planetarium Session**: A planetarium is an educational space where stars, planets, the sun, moon, and other celestial bodies are projected onto a dome-shaped ceiling using special lighting and projectors to simulate the environment of outer space. Children will experience the feeling of traveling through the universe and be introduced to the solar system and galaxy structure with guided explanations.
22. **Hot Air Balloon**: Campers will build their own small hot air balloons, fill them with warm air, and launch them into the sky. While building the hot air balloon, campers will gain an understanding of concepts such as air pressure, expansion, and contraction.

OTHER ACTIVITIES

23. **Opening Ceremony**: The camp will begin with an exciting opening ceremony where campers are introduced to the program, meet their teams and leaders, and kick off the week with fun activities and a warm welcome.

- 24. Galaxy Party (Light & Laser Show):** A fun-filled night featuring lights, lasers, and music, offering campers the chance to connect with both international and local friends.
- 25. Movie Night:** Campers will enjoy watching cartoons and movies at Nairamdal's Summer Theatre.
- 26. Campfire:** One of the most memorable parts of camp is the campfire. Campers will gather around their group's fire to enjoy warm conversations and shared moments.
- 27. Closing Ceremony:** The final event of the camp, held on the day before departure. This special moment gives campers a chance to reflect on their experiences and say goodbye to their friends.
- 28. Cultural Exchange Day:** International students will showcase their culture and traditions. Campers will have the opportunity to exchange small gifts and cultural items.
- 29. Space Award:** Each camper will be awarded a space certificate.