

Powered by



SPACE TREK®

Join us for a camp filled with thrilling discoveries, hands-on experiments, and a memorable Rocketry Experience.



Build a Rocket like NASA scientists !

Rocketry @ Kennedy Space Center

*It is Rocket
Science &
it is for
Everyone*®

Unraveling the Secrets of Rockets



From Gunpowder to Space Vehicles:

Embark on a journey through the history and evolution of rockets from humble gunpowder beginnings to the mighty space vehicles that carry humanity into the cosmos today.



Introduction to Rocketry:

Our program provides an exciting platform for your students to explore the basics of rocketry and the physics that propel these incredible machines into space.



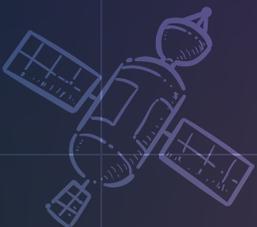
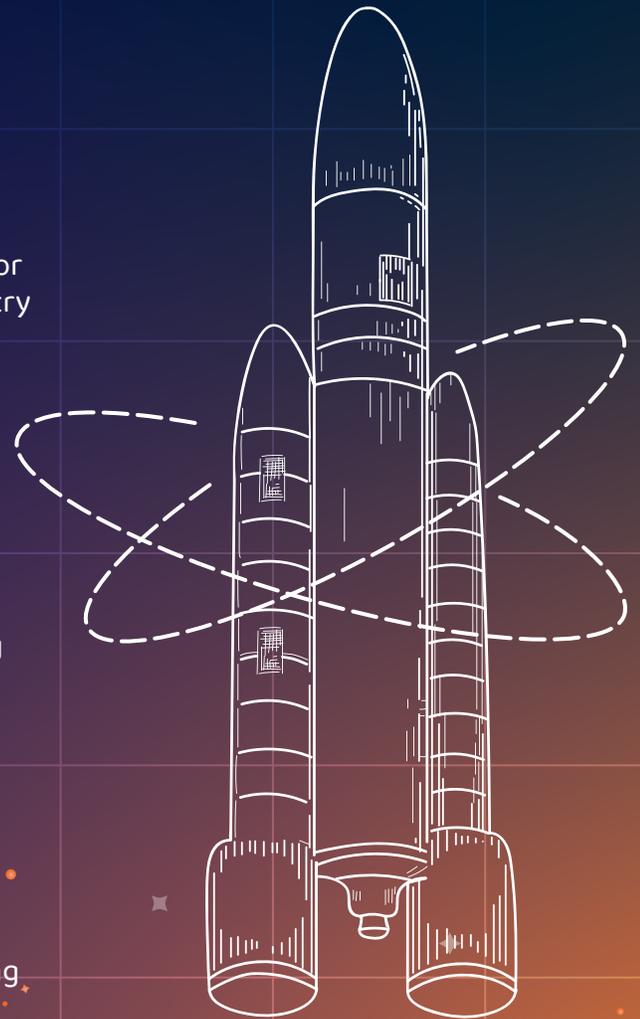
Build your own rocket:

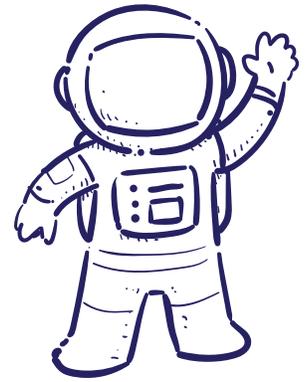
Working in teams, students will design and construct their very own Water Rocket, using custom-designed parts crafted in our state-of-the-art fabrication lab.



Work like NASA scientists:

Each team is comprised of individuals working together with separate roles that simulate positions on a small scale NASA launch team.





Test rockets with B.E.T.A. :

Student teams collect both theoretical and experimental data for their rockets inside a classroom. The Bottle-rocket Engine Test Apparatus (BETA) uses a force sensor coupled with signal conditioning and sophisticated programming to collect data from the rocket's engine. This is very similar to how NASA performs rocket engine testing.



Rocket Launch:

Finally, teams compete to launch their rockets into specific orbits, without damaging the payload due to too much acceleration or impact. Team with the highest accuracy wins.



Certificate of Participation:

As a testament to your incredible day of learning and exploration, all participants receive an official certificate to commemorate their adventure in rocketry.

Intensive Rocketry Camp

Program Schedule

- Check-in at KSCVC Turnstile
- Space Trek Introduction
- Introduction to Rocketry
- Rocket Assembly & Launch
- Lunch
- Space Shuttle Atlantis Exhibit
- Shuttle Launch Experience
- Gateway Exhibit
- Program Adjourned



Curriculum Highlights:

Rocket Construction and Design

Basic Math and Physics of Rocketry

Theoretical and Experimental Rocketry Concepts

Data Analysis

Teamwork

Creative Problem Solving

Cost: \$99.00 per student
1 Day
(KSCVC tickets not included)

Build and launch rocket



Cost: \$359.00 per student
2 Days
(KSCVC tickets included)

Genius Rocketry Camp

Program Schedule

Day 1

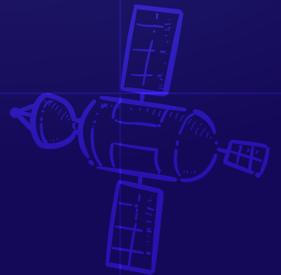
- Check-in at KSCVC Turnstile
 - Space Trek Introduction
 - Introduction to Rocketry
 - Rocket Assembly
 - Lunch
 - Rocket Launch Preparation
 - Your first ROCKET LAUNCH
 - KSCVC Exhibit



Day 2

- Advanced Rocketry Concepts
- Lunch
- Kennedy Space Center Tour
- Final Rocket Launch Challenge
- Graduation
- Program Adjourned

Build, test and collect data, and launch a rocket



Stellar Rocketry Camp

Program Schedule

Day 1

- Check-in at KSCVC Turnstile
- Space Trek Introduction
- Introduction to Rocketry
- Rocket Assembly
- Lunch
- Rocket Launch Checklist
- Your first ROCKET LAUNCH
- KSCVC Exhibit

Day 2

- Launch data analysis with B.E.T.A.
- Lunch
- Kennedy Space Center Tour
- Introduction to Final Rocket Launch Challenge

Day 3

- Final Rocket Testing
- Rocket Garden Tour
- KSCVC Exhibit
- Lunch
- Final Competition
- Space Shuttle Atlantis Museum
- Shuttle Launch Experience
- Graduation
- Program Adjourned

Cost: \$459.00 Per Student
3 Days
(KSCVC tickets included)



Build, test and collect data, do analysis to predict trajectory, and launch a rocket

**Build
Rockets that
Actually Fly!**



Looking for More? Explore Our Advanced Programs

We also offer advanced robotics and high altitude balloon programs. If you're hungry for more space exploration and hands-on learning, be sure to check out our extended programs!

Secure your spot in this thrilling program at the Kennedy Space Center and let your journey into the cosmos begin!

Inclusions (subject to availability)

Shuttle Launch Experience, IMAX Movie Shows, The Explorer Bus Tour, access to various KSCVC exhibits, Shop at the biggest Space store

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Note:

Please note that the schedule accommodates KSCVC activities, with adjustments based on group size and punctuality. While every effort is made to adhere to the schedule, activities may be altered or removed to ensure program timelines are maintained. Event times and availability are subject to change without notice.