

Advanced Rocketry

Mad Science invites you to launch your knowledge of rockets in our exciting Advanced Rocketry Camp. Our aspiring rocket scientists master the model rocket safety code and are cleared for launch! In this camp, students will focus solely on rockets and the physics of rocket flight. They will prepare for launches, perform the role of altitude trackers and launch rockets propelled by water and solid fuel engines. Young rocket scientists will build multiple designs and participate in daily launches. Houston...We have lift-off! **(Ages 8 – 11)**

Our camp includes everything your child needs during our camp day. However, if you wish to continue your child's interest in rocket launches outside our camp, you will need to purchase a launch kit at a hobby shop.

These are only a sample of some of the activities that we will be doing each day. The topics will not necessarily follow this order. However, each of these topics will be included at some point in the camp.

Rocket Concepts - Blast your way into rocket science! Learn the Rocket Safety Code, so you can always have safe launches. Experiment with different rocket designs, as you learn what makes a rocket work. Experience the first launch of the week!



Mission Control - Children will discover the fundamentals involved in launching rockets during this program. They will explore the concepts of altitude and altitude tracking and continue work on their own model rockets. Launch number two happens today!

Mission Recovery - Get ready to recover! Experiment with the best way to recover a rocket. Learn about parachutes, streamers, helicopters, and other types of recovery systems in this fun-filled day. End camp with the third launch of the week!

Rocket Scientists - Children will step into the shoes of a rocket scientist and learn the fundamentals of propulsion and rocket design. Experience the most advanced launches with your expert rocket team.

Go For Launch – Learn about rocket stability, and create a final rocket design based on the knowledge you have gained in camp. Finish work on your water powered rocket and demonstrate the rocket principles that you have learned all week with a launching finale!