

# Rocket Design

## Grades 5-6

**July 18 – 22**

**9 am to 3 pm**

This weeklong camp will introduce students to rocket design and building. Students will start by learning about the history of the space program and building simple, single stage rockets. As the week progresses, they will advance to more complex designs, including multiple stage rockets and rockets with special recovery systems such as gliders and helicopter recovery. Rockets will be tested for flight worthiness in Kopernik's wind tunnel.



Monday LEARN ABOUT THE HISTORY OF SPACEFLIGHT  
RESEARCH ROCKETS  
DESIGN, BUILD, AND LAUNCH AIR ROCKETS

Tuesday BUILD FIRST ROCKET WITH ROCKET BOOSTER  
TEST ROCKET IN WIND TUNNEL  
LAUNCH ROCKET (AND RECOVER IT)

Wednesday BEGIN ROCKET POSTER RESEARCH  
BUILD SECOND ROCKET WITH ROCKET BOOSTER  
LAUNCH ROCKET (AND RECOVER IT)

Thursday REVIEW VIDEO OF PREVIOUS DAYS' LAUNCHES  
DESIGN AND BUILD FINAL ROCKET  
FINISH ROCKET POSTER

Friday TEST ROCKET IN WIND TUNNEL AND ADJUST DESIGN AS NEEDED  
LAUNCH ROCKET (AND RECOVER IT)