

## Math and Science Camp News—Final Issue

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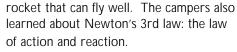
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## **Campers Build and Fly Rockets!**

This morning the campers built water rockets. These are a fantastic rocket that is fueled by a mixture of air and water. The best rockets can soar to heights of 50 meters or more! These rockets are built of 2-liter bottles and cardboard.

Before building the rockets, the students had a discussion about rocket science. In particular they learned about two critical points of rocketry: center of gravity and center of pressure and how to design a





To launch the rockets the campers went behind the Fine Arts building where there is a large open field. The rockets are filled with about 1-liter of water and placed on the launch pad. The campers then pump excess air into the rocket using a bicycle pump (hot work)!



After reaching a pressure of 50 PSI in the bottle, the rockets are launched.

The campers rockets were fantastic and most flew beautifully, though some did not survive re-entry!

## Campers make measurements and get Oriented!

This afternoon the campers studied the relation between circumference and di-

ameter by blowing up balloons. They also made time measurements about how long it took the balloon to empty. Later, the campers went out in front of Kettler Hall (near the drop off and pick up entrance). They had to follow directions to find certain locations—numbered trees.







