

# Math and Science Camp

Volume 1 Issue 4

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## Days 5 Summer 2008

### Going, Going, Going . . .

And the race is on. Neck to neck they speed toward the finish line, each hoping theirs will come out ahead. This is the true test of each camper's design. Trials were completed yesterday so that campers would be able to see just how fast their pine wood derby car is. Their final run, the pine wood derby, will determine how much the campers were able to help their car to run the fastest. Instructors picked the top three cars for design and décor. In the spotlight are Julia Sanchez, Leonie Mboboshi, and Ru'Shawn Jamieson. So who won the

derby finals based on speed and distance? Angelique Wilson won first in both speed and distance! De-joyah Johnson won second in speed and Solomon Smith won second in distance. D'osha Berumen won third in speed and CJ McCarter won third in speed. It was a really tough competition. Congratulations!



### Genetics!

Campers finished their genetics investigations. After studying fingerprints with whorls, arches, and loops, and checking out their own genetics,

they were ready to determine probabilities for appearance.

### Speakers

The campers heard talks from Allen Smith, a pharmacist at Wal-Mart about careers in pharmacy. Professors Bruce Kingsbury of Biology, Solomon Isiorho of Geosciences about what these sciences are like, what people do in these fields, and what students need to study to succeed in college in Biology and Geosciences. The common theme of all presenters was that students need to take mathematics, sciences, and learn to communicate verbally and through writing, and to learn critical thinking skills.



Allen Smith, Pharmacist

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## Robots: The Finale

After building and rebuilding, tweaking, and programming, campers were ready to hit the courses. They first completed a simple forward motion and then a course with a turn. Now it was time to try the big courses. They worked on courses with two turns or more. Each robot's reaction to programming has to be carefully monitored so that camper's programs

could be changed appropriately. Programming the robots is challenging as each and every action of the robot has to be planned before the robot can even move. Campers have to think through all the commands the robot must obey. Most difficult is getting the robot to turn the amount intended. Distances can be calculated using the circum-

ference of the wheels and comparing to the desired distance. There were lots of wheels turning, as campers worked hard to complete the courses. There were many successful runs!



## Stock Market Recap

With all the other activities that campers were engaged in this week, the stock market took a back seat. The lesson of the stock market can be easily learn even so. Be careful what you put your

confidence in. It could go up, up and up or down, down, down. Students completed graphical analysis on their pine wood car trials, analyzing the relationship between the weight of each car and

the time it took to complete the run.

## The End of the Week . . . What's next?

YAY Math and Science Campers! You have now successfully completed a week in intensive fun and hard-work. First, way to go. You are the shining stars of camp. On behalf of all the instructors, we have had a wonderful time with you all this week: preparing all of

the activities and sharing with you all in enjoying the opportunities you have had this week. What could you do with this experience in the future? Well we're glad you asked. As of this summer there is a summer physics camp for high schoolers that some of you will be eligible for next year. For the

rest of you, come back again next year, and keep looking for opportunities to ask questions, investigate, experiment, and simply enjoy the world around you!

Thank you for this week!  
Dr. Masters, Mrs. Huffman,  
Mr. Knorr, Miss Preasha, Mr. Fider, and Miss Sillampa