

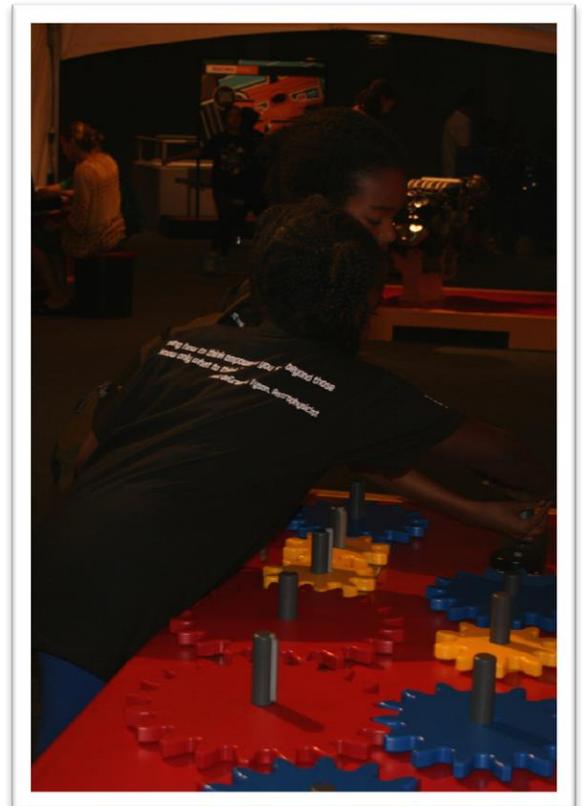
# Super Science Saturdays

**MALCOLM X – Saturday, March 7, 2015**



For our second day of Super Science Saturdays, we went on a field trip to the Lawrence Hall of Science. Students participated in a variety of hands-on activities in the new exhibit “Speed: Science in Motion”.

The exhibit had two main focuses. The first was to show students the components of racecars—gears, engines, ball bearings, etc.—and how to manipulate these parts to design the fastest cars.



The second was to show the connection between humans and racecars. Students got to test their own reflexes, memory and speed, skills that are all necessary to drive Formula 1 cars.



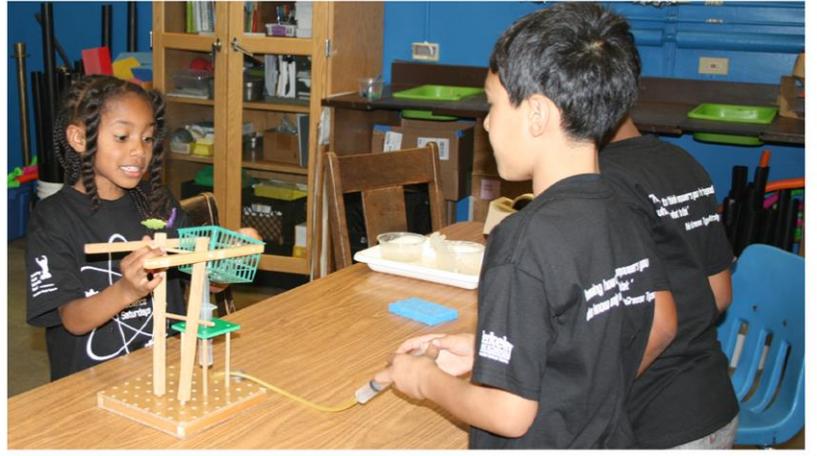
Students also participated in three different Design Quests. Students learned about wind turbines and how they generate energy. Students experimented with different sizes and shapes of blades and how much they should be tilted in order to generate the most energy possible.

Students were also challenged to design something that could harness the wind but not be overpowered by the wind. If their creations failed, they were encouraged to redesign, rebuild and retest their work while manipulating wind speed.

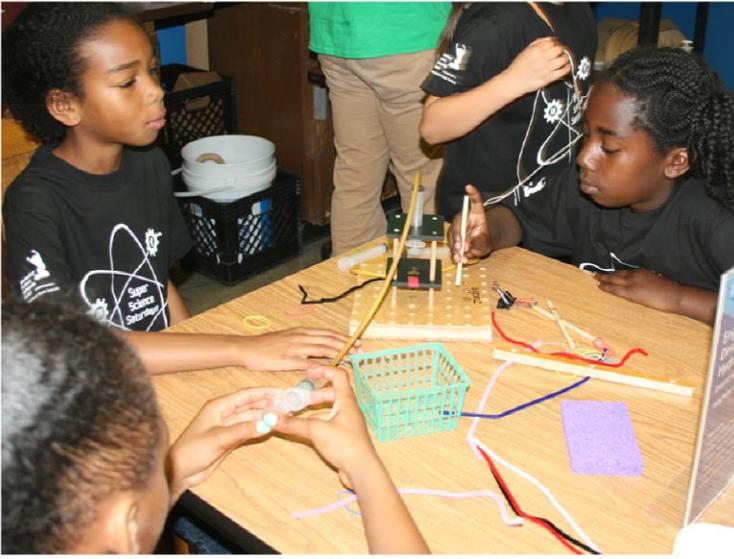


The final Design Quest had students create their own stop motion films. Students were able to move dinosaurs and other objects, snap photos between each movement, then replay the string of photos to create their very own stop motion films.

Downstairs in the Ingenuity Lab, students learned about hydraulics and built their own contraptions powered by water. Students filled a syringe with water then pushed the water through a rubber tube into an empty syringe. This transfer of water allowed students to lift a mouse in a basket, lift a cage off of a lizard, and much more.



In the Animal Room, students saw snakes, turtles, lizards, tarantulas, rabbits and much more.



They also learned about human organs as they tried to put the model's insides back together!



### Up Next:

During the next session of Super Science Saturdays at Malcolm X, the Lawrence Hall of Science will bring their workshops "Slime!" and "Who Done It?" to our school. Students will also continue their work on Chromebooks and design-challenge engineering.

