

COLE MANOR

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Science Fair Special Report

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Science fair offers health information

Editor's note: Cole Manor's recent science fair focused on the human body. The Healthy Comet reporters interviewed several teachers and students about their projects.

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Ms. Costanzo's kindergarten class wanted to know which liquid would stain a person's teeth the most. To find out, Ms. Costanzo assigned her students to work small groups and gave each group a hard-boiled egg. Each group placed the egg in a different liquid: soda, grape juice, orange juice, apple juice, and tea.

The students left the eggs overnight in the liquids. The next day the students brushed a small section of the egg with a toothbrush with toothpaste on it. Ms. Costanzo said that the grape juice left the biggest stain and could not be brushed off. The orange juice brushed off easily. She said the relationship be-

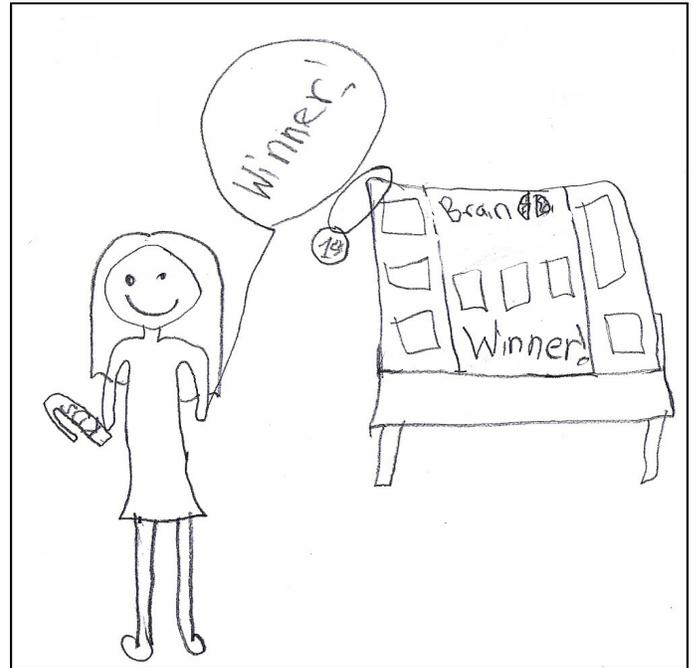


Illustration by Khushi Parikh

tween their experiment and health is the better you take care of your teeth, the healthier your body will

*(Please see **Science** on Page 2)*

Fair exhibits more than 100 posters

Cole Manor featured the human body as the theme for the recent science fair.

Ms. Poncheri, school principal, said the theme builds on Cole Manor's health efforts. "I decided to have the theme because I thought that all the experiments would tie together," Ms. Poncheri said in a recent interview.

Students presented more than 100 science experiments on posters. Students conducted experiments on a wide range of topics such as pulse rates, germs, nutrition, and the brain. In late November, families viewed the posters and learned more about health in the community.

During the science fair, the school halls were packed with grandparents, parents, and children. In the all-purpose room, fourth graders had their science boards set up on tables in rows around the room. On

another table near the atrium, visitors could view a large model ear and a plastic body that showed internal organs.

People could measure their pulse rates and their hand strength at yet another table. One exhibit showed an X-ray of a bone fracture in a hand.

The first-place winners in fourth grade were Jocelin Lai and Inaya Khan. Jocelin discovered that pop music can increase one's heart rate more than classical or hip hop. Inaya learned that age can affect a person's reflexes.

Cole Manor has made a commitment to health, Ms. Poncheri said. The school also has an anti-bullying program, Food Trust nutrition lessons, and the *Healthy Comet* newspaper.

—By Garrett Comrie and Healthy Comet staff

Science fair teaches about human body

(Continued from Page 1)

be. —By *Sammy Rosenberg*

Katie Wojciechowski, a fourth grader, asked: Do fourth graders or adults have a better sense of touch?



Illustration by Dean Millard

She guessed fourth graders would have a better sense of touch. She took a marker and touched the arms of several people. After they guessed, she measured how far they were from the point.

The results of her experiment proved her hypothesis was correct.

“Your sense of touch is all over your body while the other four senses are in a specific place,” said Katie.

—By *Khushi Parikh*

Ms. Land’s second grade class wanted to find out whether a cut will heal faster with or without a bandage.

For this experiment, Ms. Land picked two students who got their cuts the day of the experiment. Ms. Land also said that neither of the cuts was bleeding at the start of the experiment. Both cuts were about the same size, but healed at different rates. They observed that the cut without the bandage healed faster.



Illustration by Roawoon Lee

Ms. Land said “this is one of the most fun and exciting experiments I ever did!”

—By *Spencer Schiele*

Ms. Corke, a first grade teacher, said her class conducted an experiment about the heart. The students hypothesized that the heart beats faster when a person is active.

The students checked their heart rate before they ran. They then checked it after they ran. They learned the heart beats faster when they are active because the body needs more oxygen and nutrients, said Ms. Corke. The relationship is that being active helps keep one’s heart healthy.

—By *Dean Millard*

Joren Bullock, a third grader, also explored heart rates. She said she and several classmates counted their heart beats before and after running.

—By *Destynie Davis*

What judges look for in science fair projects

Cole Manor’s leadership team judged the recent science fair projects.

The staff considered many components of the projects to decide which one deserved a ribbon, according to interviews with three of the judges before the fair.

“I will make sure all parts of the scientific process have been completed,” said Ms. DeMinico, the school’s math and reading specialist. Mrs. Martin, guidance counselor, said she would look for creativity, a good prediction, and solid evidence.

Mrs. Yackanicz, a reading specialist, said she would look at the appearance and thoroughness of the presentation. It needs to have all the parts of the scientific method.

Mrs. Yackanicz said students liked the topic this year because they got to learn something new about the human body.

Mrs. Martin said the projects taught students more about how the body functions.

Other judges were School Principal Ms. Poncheri and Lead Teacher Mr. Forbes. —By *Jocelin Lai*

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