



# Saint Rose of Lima Academy

Respect, Love, and Education Through Christ

## SRLA STUDENTS FROM PRE-K TO GRADE 8 ENJOY SCIENCE



### Meteorologist Dave Curren (News12NJ) visits Pre-School

Mrs. Alfano's Prek-4 class and Mrs. DiQuinzio's Prek-3 class were given the enjoyable and unique opportunity to learn about weather. What's so unique? They were being taught by meteorologist Dave Curren from News12NJ!

Dave Curren was born and raised in the Garden State. He went to Cranford High School and then graduated from Kean University with a degree in meteorology. "Mr. Dave," as children refer to him, spent over an hour with the St. Rose pre-k classes discussing the seasons, weather patterns, our abundance of snow this winter, and how his love for surfing motivated him to become a meteorologist. He even took the time to read a short story to the students. The children were given the opportunity to ask Dave questions and share their own weather stories and opinions. The children also showed him the weather graph we made this week where we graphed all the students' favorite season. (Summer was the clear winner!)



### Middle School Science Presentations

After two months of researching and editing, the middle school students at St. Rose finally completed and presented their science fair projects. They did an amazing job in presenting their projects using interactive multimedia and invention prototypes. This year's science fair theme is "The Power of Imagination." The inspiration for the theme came from one of Albert Einstein's famous quotes, "Imagination is more important than knowledge." Students' projects showcased technological development in the areas of nanomedicine, particle engineering, material physics, holographic technology, projected to be in place 20 years from now. Among the featured projects were, a nanobot that goes after cancer cells, a self-diagnosing biological membrane that can stop infection and hemorrhage, a biosynthetic cell that acts as a neurotransmitter to activate clot-dissolving t-PA, a multi-functional security technology that utilizes the electro-magnetic spectrum, a multi-powered energy generator that uses renewable resources, a CO<sup>2</sup> filter that simulates the process of photosynthesis, and an integrated clean machine closet that not only cleans clothes, but organizes them at a push of a button.

All projects were submitted as entries to ExploraVision, a science competition sponsored by the National Science Teachers' Association (NSTA) and Toshiba, which allows students to simulate real research and

