



**ROMEO  
COMMUNITY  
SCHOOLS**

## **GOOD NEWS ACROSS 'R' DISTRICT**

June 27, 2024

### **STEM in action at Camp Invention**

The theme for this year's Camp Invention, June 10 to 14 was illuminate and, according to camp director Sue Trush, campers lit up Hevel Elementary School during a week's worth of creativity and innovation.

In four STEM-themed classrooms, students were aglow with ideas as they explored the world of invention.



During **In the Game**, campers examined the materials used to create different sports balls and assembled their very own game boards.

In **Operation: HydroDrop**, they teamed up to take apart a light-up robotic lab to explore what's inside. They then received their own bot and Lab Scene to transform into a Lab-on-Wheels to hold water samples and more. After building a water-efficient tiny home and greywater system for crops, they earned their Agriculture Certification sticker to place on their Lab-on-Wheels.

**COMMUNICATIONS AND MARKETING DEPARTMENT**

316 North Main Street • Romeo, Michigan 48065 | [www.romeok12.org](http://www.romeok12.org) | (586) 752-0225 • Fax (586) 752-0228



In **Let's Glow**, campers entered the biophysics lab, where they began their investigation of light. They built a Glow Box and incorporated reflective details as the first layer of their display. They wired a double-sided circuit board, exploring white light and then ultraviolet light. They also investigated some of the ways in which nature is illuminated through bioluminescence.

As students added layers to their radiant displays, they made exciting connections about the visible light spectrum and refraction.

"There were a lot of 'wow' moments," said camp instructor Dana Rettell.



Finally, in **Prototyping Studio**, campers were challenged with creating a prototype of a tool using everyday materials. They also assembled a toolbox to carry the items they received after each round of prototyping. They even learned how to patent their inventions.

The fun continued even during the campers' lunch break, when campers participated in a variety of games. For example, on the fourth day, the theme was cooperation. Campers were divided into teams and given a frozen T-shirt to defrost.

"They had to strategize," explained Ms. Trush. "How were they going to work together to unfreeze and then wear the T-shirt? Body heat? Let it bake in the sun? Sit on it?"

Whatever the solution, a fun time was had by all, she said.

#### COMMUNICATIONS AND MARKETING DEPARTMENT