



From July 25th through 27th, students participated in the Exploration Station Summer Camp at the Tulsa City County Library. Activities included hands-on experiments with tools and technology as a resource. They were able to test the effectiveness of sunscreen, an insulator for a can of soda, and the effects of color on heat absorption. Using sensors and data, students could test hypotheses and explain their findings.

Participation

Ranging from fourth to sixth grade, 18 students participated in the camp. 8 were female as 10 were male. Participants came from 11 separate schools, spanning 9 NE Oklahoma districts. For 12 students, it was their first time participating in a STEM related camp.



“I feel like I really enjoyed camp and I am going to explore more of STEM.”

“[I feel] smarter, science and math are a lot easier now that I know more.”



Methods & Results

Students were given surveys before and after camp. The surveys consisted of a pre-post analysis measuring any significant changes and retroactive portion that asked the students to reflect on their time at camp and determine if they feel the same (pictured below).

Most students plan on graduating and attending college. Moreover, positive scores were reported in science enjoyment, STEM excitement, and confidence in math. In the pre-post analysis, score increases were seen in perseverance/problem solving and STEM job/career interest.



Scale 1-6

