



SPOTLIGHT ON STUDENTS

SOLANA BEACH SCHOOL DISTRICT
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Carmel Creek Students, Families STREAM Together

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Carmel Creek School is now in its second year of the Young Scientists Club (YSC), a program that fosters deeper learning, collaboration, communication, critical thinking, and discovery. The before-school club launched in 2018, thanks to UC San Diego professor and Carmel Creek parent Lena Koslover and STREAM* Teacher on Special Assignment Tiffany Farnsworth.

* Science, Technology, Research, Engineering, Art, and Mathematics

Due to the success of the program last year, Dr. Koslover has enlisted doctoral candidates from her university physics program to help facilitate hands-on activities in the classroom, making it possible to reach more than 60 students per semester this year. *(Photos: Students and parents explore circuitry.)*



“

I liked learning new things every time, and my mom came with me. She is a scientist, too.”

Aditi, student

“

I like the powders and mixing them with the different liquids; they made reactions. It was okay to make a mess!”

Mina, student

“

My favorite part was making oobleck, because one minute it melts in your hands, then you punch it and put pressure, and it gets hard! It's stuff we don't do in the classroom."

MJ, student

“

The Young Scientists Club was awesome. The experiments were really fun, and I learned a lot of new things."

Maya, student

STREAMing Together (cont.)

Dr. Koslover and her doctoral candidates astutely connect their experiences and scholarly knowledge with developmentally appropriate activities to inspire young students' natural curiosities and interests in the sciences.

A beautiful component of this program is that students and families have an opportunity to participate, side-by-side, in Carmel Creek's STREAM lab and studio. Students and family members engage in hands-on activities that promote a deeper understanding of cross-disciplinary concepts. Activities include the study of waves, circuits, chemistry, refraction of light, and much more!

The positive resonating impact from Ms. Farnsworth and Dr. Koslover's collective efforts is nurturing future academic and career interests in the broad ecosystem of San Diego's bio/tech fields, while building confidence in both girls and boys across the grade levels. *(Photo below: Dr. Koslover guides students in science lessons.)*

Students STREAM in SBSD Discovery Labs

Just what is STREAM? In SBSD, students benefit from a solid academic foundation in Science, Technology, Research, Engineering, Art, and Mathematics. The inquiry-based, hands-on curriculum is driven by the goal of closely aligning our educational programs with what students will actually experience in college and in their careers.

In the real world, knowledge is interconnected across a variety of content areas. In SBSD schools, we intentionally create this environment through our STREAM-centered Discovery Labs.

STREAM skills are vital for success in the 21st century. They incorporate the "4 C's" (collaboration, creativity, critical thinking, and communication) through project-based learning and interdisciplinary (across subjects) activities. Read more at www.sbsd.k12.ca.us.



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