

# What's Happening in Mrs. Farnsworth's STREAM Lab at Carmel Creek?

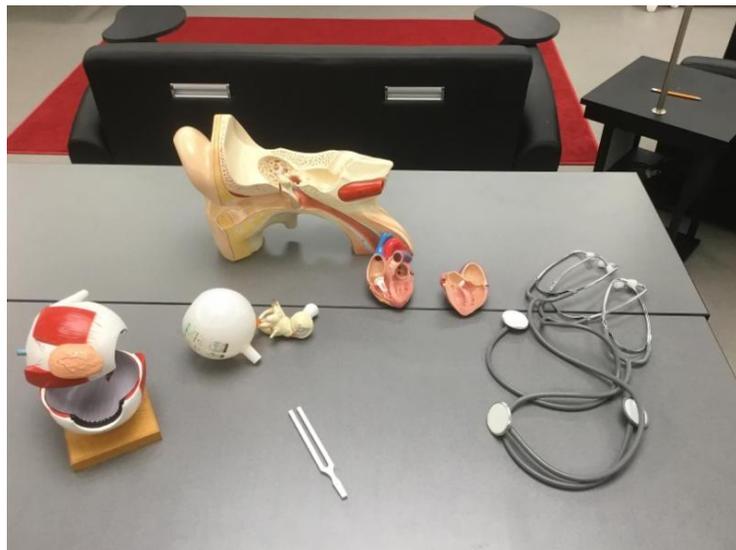
The STREAM Lab has been bustling with activity yet again this school year. Students of all ages have enjoyed learning how to use new tools and technologies to explore and examine the world around them, develop their critical thinking skills, and solve real-world problems. Take a look!



## Kindergarten and 1st Grade

Early this year, the kindergarteners and first graders focused on learning about how we apply science to our world. This was so fun and provided many opportunities to explore.

During this time, we used the augmented reality tool <https://jig.space/>



## Grades 2 and 3

In third grade, we just finished our unit on *Forces* with lots of discussion and



experimentation with gravity (pull) and lift (push). Our exploration included designing, building, and "flying" paper drones. During flights, students recorded their observations and took measurements to then be able to posit how forces would impact future flights of their drones.

## Cubetto Club

In addition to their weekly STREAM classes, Carmel Creek second and third graders have the opportunity every Friday to get involved in **Cubetto Club**, which is held in the STREAM Lab. Students learn how to code using blocks and a wooden block robot. They receive various scenarios and are able to send Cubetto on adventures across cloth boards.

This fall, the Cubetto Club programmers really got the hang of programming and were able to showcase their skills and teach others to use Cubetto at the District's *STREAM Festival* on Saturday, November 2nd at Solana Pacific!

There are so many benefits to learning how to code. Students learn logic, looping, and sequencing, and they love it! They have a special fondness for the robot. A 3rd grade boy suggested it should be called 'cute-betto' "because it is so cute!"



The Cubetto Club runs in 6-week sessions with a two-week break in between through April. Mrs. Farnsworth will continue to be the coach.

In addition to Cubetto Club, the **Carmel Creek Young Scientists Club** has had a busy and active fall semester. Mrs. Farnsworth and the students are especially grateful to the parent volunteers who provide amazing and unique learning opportunities for students. Thank you, parents!

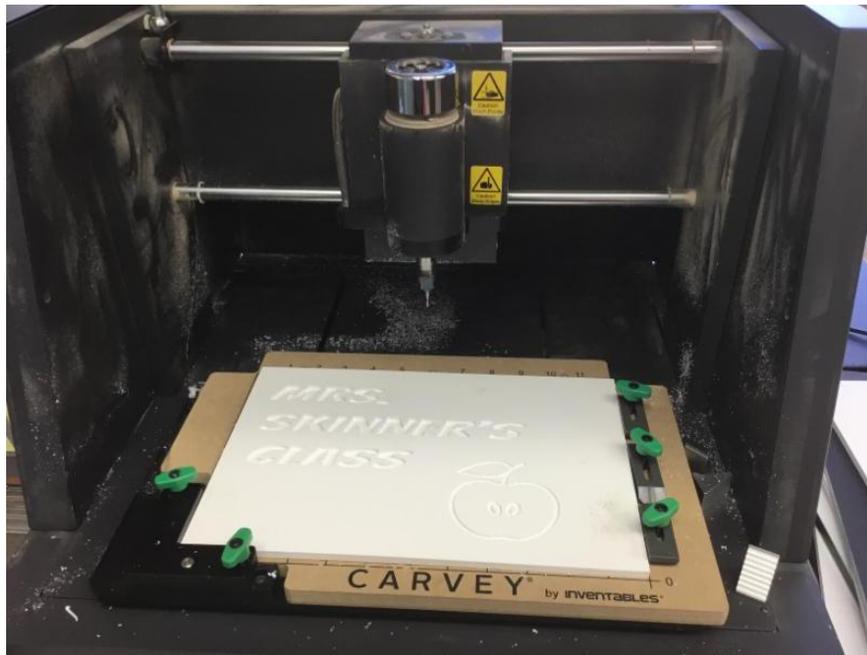
## All grades

All grade levels are working on our school garden plot. The opening of the school garden was a momentous and highly-anticipated occasion, as we

have not had a garden at Carmel Creek before now!

At each grade level, Next Generation Science Standards (NGSS) connect to gardening, plants, and life cycles. Students enjoy making these connections as well as watching their plants grow. Getting your hands dirty is kind of fun, too!

In addition to planting, each class will make a sign using the Carvey to put up in their garden plot.



Last but not least, another important connection we are making with our new garden is to the United Nations Sustainable Development Goals. To learn more about these, click on the link below!

### UN Sustainable Development Goals

To see more pictures and learn about all the latest happenings in the Carmel Creek STREAM Lab, follow us on Twitter [@sbsdCCSTREAM](https://twitter.com/sbsdCCSTREAM)

Support STREAM and all of the Discovery Labs at Carmel Creek by donating to the Solana Beach Schools Foundation!

<http://www.solanabeachkids.org/upcoming-events/donate/>

