

# THE IMPACTS OF MAKING STEM EDUCATION FUN & ACCESSIBLE

BIOL2299 Inquiries in Biological Sciences: Stem Cells

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S-LTA: Bella Selekman



BE KIND <sup>all</sup>  
Listening to staff the 1st time  
Tone is respectful  
Respecting the staff  
Keep your "hot" nice comments to yourself  
3/12/24

Ethan 451  
Zhi  
Nora XXX  
Amira X  
Hiba  
Sham XXX  
Oscar wph-x  
Christina X  
Eliot  
KangRui X  
one X

appropriate words/canvas  
"care"  
ready to yourself  
ing HW

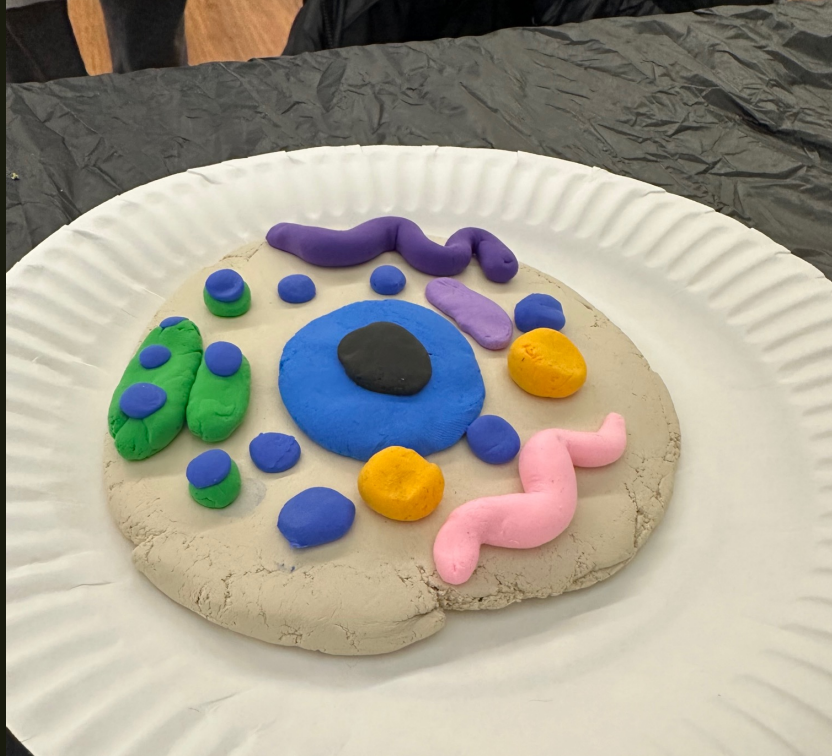
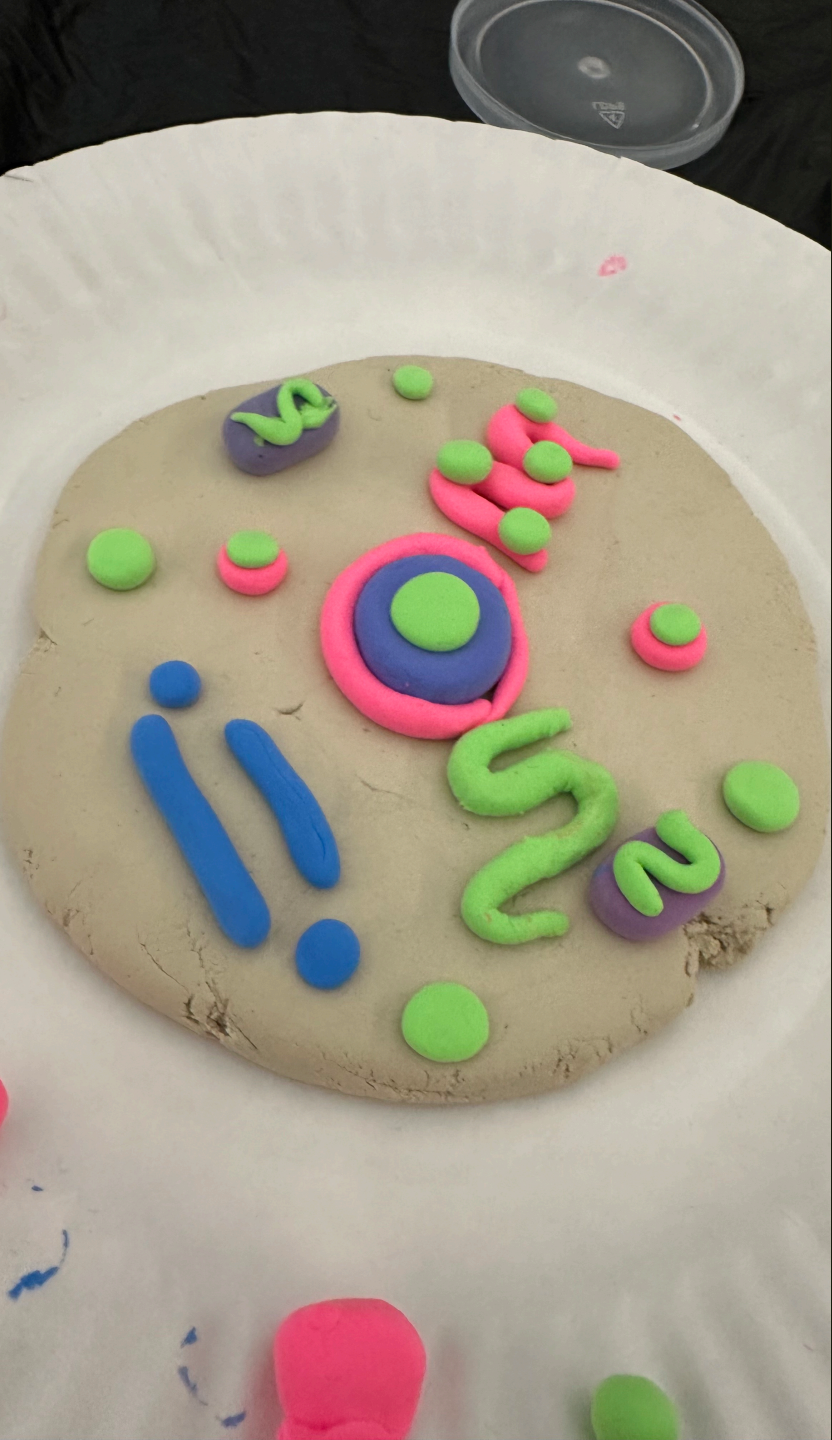
SH  
CLAS

TIME

3:00-4:30	Ch
4:30	9NAS
4:30-4:45	Sm
4:45-4:50	DIY T
4:50-5:50	Homework, Acad
5:50-6:20	Daily Enric
6:20-6:30	Open

EXIT TICK



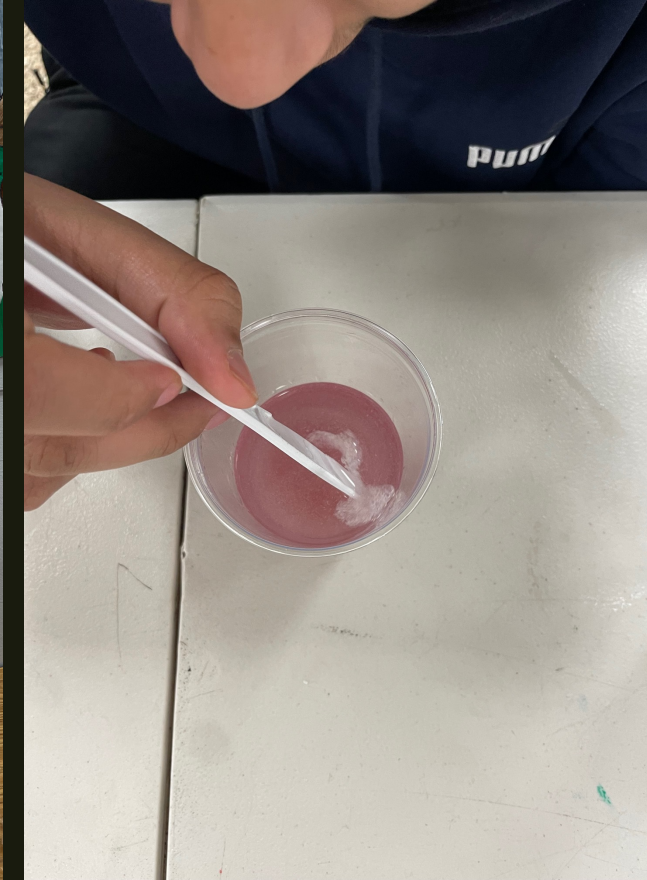
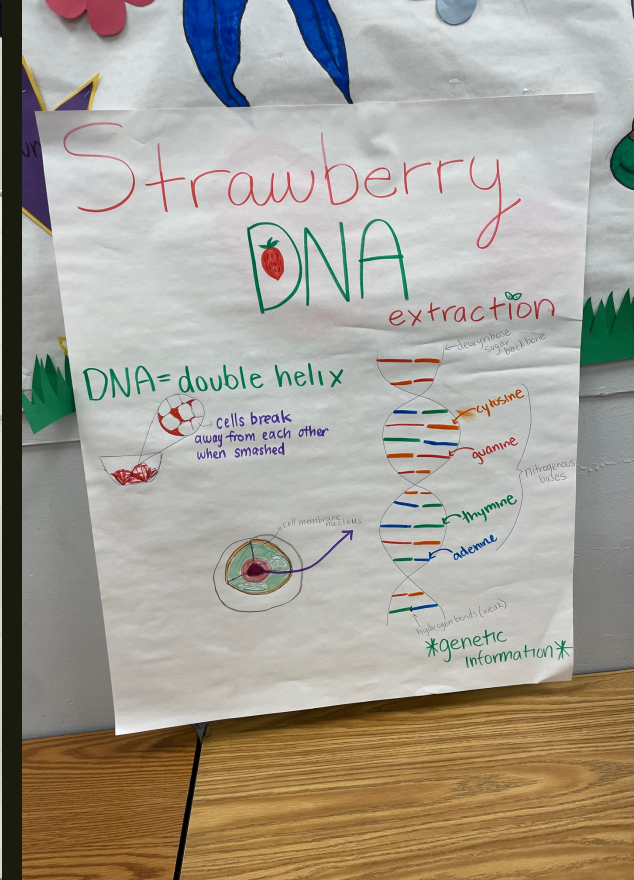


LEARNING ABOUT CELL  
ORGANELLES WITH CLAY









# STRAWBERRY DNA EXTRACTION



# VOLCANO EXPERIMENT





# Takeaways from S-L Student Volunteers

“I have worked on a few skills, such as communication, leadership, and problem solving.”

“My group and I are representing the Northeastern community when we visit our community partner, and - therefore - have been working on being as professional as possible, whether it be through a clear and respectful communication style or simply arriving on time and being prepared for each activity.”

“I have also developed my teaching skills. I frequently explain the science and provide examples to illustrate the real-world applications of the concepts.”

“I feel like my explanation skills have gotten better. The kids are younger, so they don't really really know much scientific vocabulary. So, we had to use non-technical terms to explain the process and results of the experiment.”

“I am most proud of my leadership this semester because I feel like I put myself out there and was a reliable figure for my group to depend on.”

“I am most proud this semester of all the connections I was able to make with the kids. It seems likely they are genuinely happy to see us every week and that makes it even more fulfilling to work with them.”



# Inspiring S-L Stories

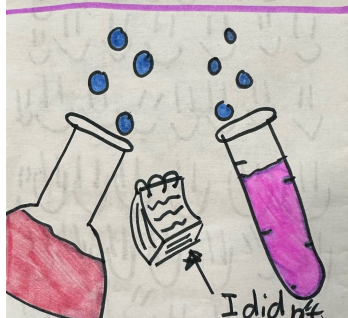
“One thing I am most proud of this semester is three weeks ago, we did a monster genetics/trait inheritance activity. We tried to teach the kids about punnet squares and trait inheritance and then did an activity where they flipped coins to determine the traits of their monsters and then drew the monster with the inherited traits. One of the kids does not speak a lot of English and is typically very quiet and unengaged. As the kids were drawing, I sat with him and helped him flip the coin and tried to help him understand the concept of what we were doing. He ended up having a lot of fun flipping the coin, he struggled a little to understand the concept but had a lot of fun drawing his monster. It was nice seeing him open up a little and seeing him be engaged in the activity.”

“One student always seemed disinterested in our science activities as she insisted her passions and interests remain in art. At first, she would not want to participate in our activities. However, we started to incorporate arts and crafts. For example, in our experiment in capillary action, she was able to draw on her cup and enjoyed drawing while learning. Through this, her interest in science grew and I could tell she was excited about the new activities we had prepared each week. Every Thursday, she would give me updates about what she learned in school, or things going on in her life such as her dance performances or the new book she was reading. It was amazing to build such a meaningful connection with one of the students. And at the end of every session, while she waits for her parents to pick her up, we always play a new card game that she is ridiculously amazing at. I was so surprised at how bright and knowledgeable she and many of the other students are. Playing these card games with her has easily become my favorite part of service learning, and I am proud I was able to build such a great connection with her!”



Thanks for teaching  
us. I Will miss You!  
I Hope you have a it  
good year. Also will you  
come to Access! (Thanks  
for food!)

What name I remember: Sarah,  
Bella, Savan, Kachrenye,  
(whoh, not that name) Anica




I didn't try  
(sorry if I don't spell right)

Thank you

ONEU!

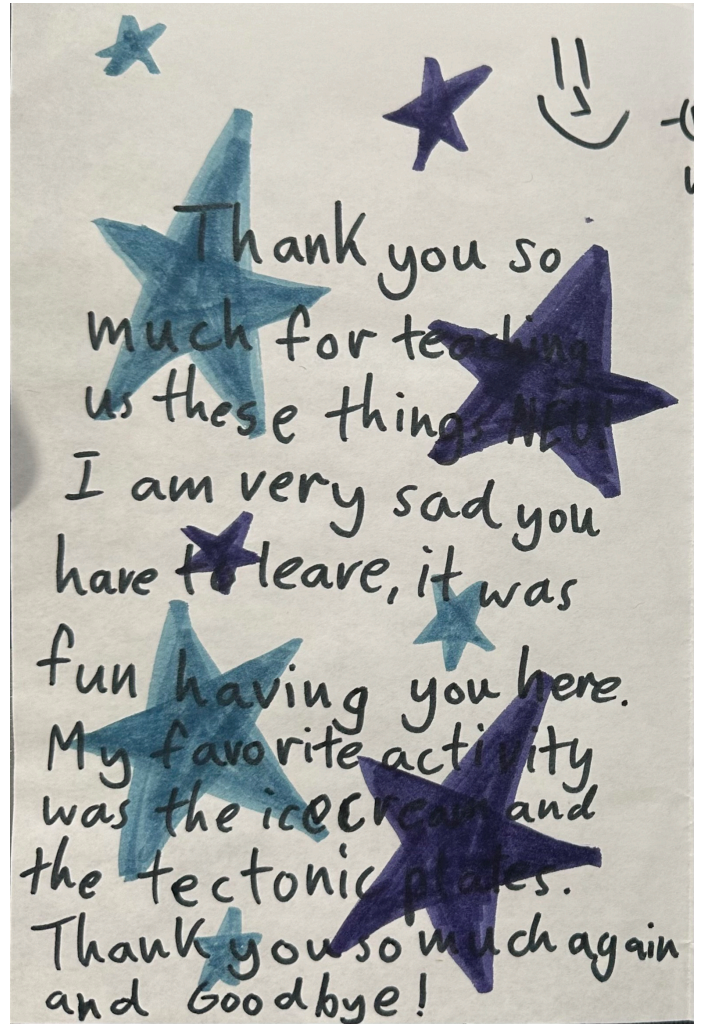
(too lazy to write  
full name)

from: The best game  
player (Joyce)



x for  
own  
planet  
mama

Thank you so  
much for teaching  
us these things. Also  
I am very sad you  
have to leave, it was  
fun having you here.  
My favorite activity  
was the ice cream and  
the tectonic plates.  
Thank you so much again  
and Goodbye!



HEART-  
WARMING  
THANK  
YOU  
NOTES  
FROM  
TUTORED  
STUDENTS