

DARE TO EXPERIMENT

students experiment with fruit flies RNA in biotechnology



STRENUOUS STUDIES
Cody Jaramillo '23 examines fruit flies inside a test tube for a lab in Biotechnology March 7. Students conducted an experiment in which they turned off a gene, changing the flies' genetic information. "We had to get up really early in the morning to make sure there were enough females," Jaramillo said. "Sometimes we had to wake up in the middle of the night to release the flies so they don't mate." photo by: i. orner



GET THE CHEMISTRY
In Biotechnology, Lance Christensen '24 genetically modifies female flies March 7. Students made virgin female flies out of male flies. Male flies have certain adaptations in their RNA that students used to genetically modify the female flies. "We did it to see the effects of RNAi, which is just a type of RNA that interferes with the production of genes," Christensen said. photo by: a.hart



CROSS DNA
Murrie Dodge '23 writes a lab report about fruit fly genetic modification in Biotechnology March 7. She collected fruit flies and crossed the females with males who had a layered gene, observing how it affected wing development. "We were curious to see how RNAi would work to shut off genes to affect wing development," Dodge said. photo by: i. orner



CHEMICAL IMAGE
Peightyn Clapper '23 places daphnia magna into experimental containers in Biotechnology March 7. Dodge exposed daphnia to estrogen to see how it impacted their hearts. "My favorite part would honestly probably be imaging the daphnia," Clapper said. "It's really cool to see them under a microscope and see their hearts up close." photo by: staff

WORKING WITH WINGS
Myles Rubin '23 looks at a fruit fly under a microscope in Biotechnology March 7. The class used fruit flies to turn off a wing promoter gene and test the effects. "It took us multiple weeks but in the end, we caused wing deformity on all of our flies. It is really awesome that we have the opportunity to do RNAi in high school and I am super lucky to be a part of this awesome program," Rubin said. photo by: i. orner



STUDY SESSION

students experiment, study, and test within and outside the classroom



FRUIT FLY INVASION
Clara Benko '24 uses a paint brush to move a fruit fly around under a microscope in Susanne Petri's Biotechnology class March 2. The class anesthetized the fruit flies before they examined them. "Sexing the actual fruit flies was scary because I didn't want to kill them so we had to use paint brushes. It was interesting to learn to sex such small animals," Benko said. photo by: staff

DARE TO BE PREPARED

students use Access and after school time to prepare and study for classes



SILENT STUDYING
Taylor Berven '22 studies at Black Rock Coffee Shop March 8. Berven needed to study for an AP Psychology test without distractions. "I love coming here because these chairs are so comfy and I can sit for hours getting work done. Plus, the coffee is a bonus," Berven said. photo by: m. propp



MATH PREP
Grace Bruns '24 finishes her math assignment in the cafeteria March 3. Many students spend their access time usually socializing or working on their homework. "I was studying for a math test during access today by doing my review packet so I could get a good grade on the test," Bruns said. photo by: b. vidger



FREE TIME
Sophomores Avery Mell and Maya Vora sit in the cafeteria during Access March 3. Mell and Vora didn't have any homework to do that day. "During Access today, I was sitting with my friends in the lunch room and talking, which is what I usually do," Mell said. photo by: b. vidger

DARE TO BE TESTED

SAT prep for tests in April meant extra time and extra stress

"I am still feeling pretty nervous, but since taking the school class I have seen my score raise a couple hundred of points since my PSAT."

MASON WINN '23

"I have been taking the classes that the school was offering and reading those big Princeton Review prep books, so I feel very confident in my ability to do well."

KENNEDY VASQUEZ '23

"I haven't been doing anything to study or prepare besides the class that the school offered, but I still think I will do pretty well."

SCOTT SHOPNECK '23

"I'm mostly prepared for the SAT, but I am really worried about the math section because I am not that great at the subject."

AVERY TOMLINSON '23

"I have prepared by taking many practice tests and looking into all the available tips online, specifically the reading portion of the test."

JERRY WANG '23

"I spent like \$300 for an SAT prep class and it was not very beneficial, so I am really just nailing down and watching a lot of Khan Academy."

EMMA WARFORD '23

"I feel prepared, but I'm still a little worried about the English section because it is a little difficult to understand and the timing is hard."

CAYDEN BRANISH '23

"I've been preparing with an SAT prep book, but I am worried about the math section because there is a lot of stuff I forgot."

COOPER CHASE '23