LABS

WE'RE JUST BECOMING SOME MAD SCIENTISTS

story by e.aho, l.pippin & a.swarr
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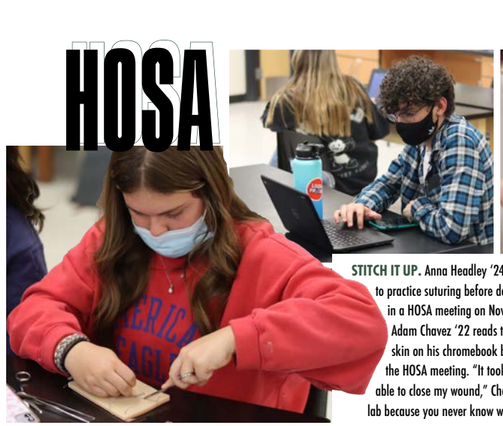
Students conduct labs to learn concepts

AS **STUDENTS ENTERED EITHER A SCIENCE CLASS OR CLUB,** they were given the opportunity to take part in a lab that would require them to take what they were learning and apply it to a situation.

CLASS: Honors Anatomy & Physiology
TEACHERS: Aarika Capra & Paul Sasseville
LAB: Heart dissection Quarter 2 & 4
PURPOSE: The students took notes about the human heart and its structures and functionality. Students then took a sheep's heart, and with popsicle sticks, used a scalpel to cut holes in it to identify the structures of the cardiovascular system, and then follow the path of blood flow through the heart.

CLASS: Veterinary Science
TEACHERS: Dallas Dooley
LAB: Pig dissection in Quarter 3
PURPOSE: "We learned the anatomy of the pig. We looked at the organs and what they did, and the correlation between the anatomy and the physiology of the organs," Elsie Oswald '23 said.

CLUB: HOSA (Health Occupational Students of America)
TEACHERS: Aarika Capra, Meghan Frenzel & Paula Zagel
LAB: Skin suture lab in Quarter 2
PURPOSE: "We met after school and we had a nurse through a Zoom take us through the steps of different types of suturing. We first practiced on a diagram, and then we took bananas since they are pretty close to skin, and stitched up the peel," Amelia Klingsieck-Ware '25 said. "We had a lot of support, and it was cool to experience how important suturing is."



TAKE YOUR TIME. With a pair of scissors and thread, Gillian Dinges '23 stitches up a banana to practice suturing. "It really does take time and focus to make sure that you stitch it up correctly," Dinges said. "I really enjoyed getting the chance to practice on the banana." photos by e.aho

STITCH IT UP. Anna Headley '24 ties up the thread on the gel pad to practice suturing before doing the same thing on a banana in a HOSA meeting on Nov. 4. **DOING MY RESEARCH.** Adam Chavez '22 reads through the steps of suturing up skin on his chromebook before trying it on a gel pad in the HOSA meeting. "It took me about five tries before I was able to close my wound," Chavez said. "This was my favorite lab because you never know when you'll stitch someone up."

HOSA

IT'S A HEART. Bailey Husmann '24 holds a pig's heart in her hand for lab partners Elise Oswald '23 and Katelyn Price '23 to look at while they discuss the organ's purpose in Veterinary Science on Feb. 9. "I love when we get to be hands on in class and really learn about what we are studying," Husmann said. **A CLOSER LOOK.** Courtney Cuney '24 uses some tweezers to hold the pig in place as Taylor Baird '24 took a pair of scissor to cut the pig open. "I kind of watched from afar and didn't do much cutting. It was definitely a learning experience. I saw how everything was stacked on each other and how it's all connected," Cuney said. **TAKE THE SCALPEL.** As Kristopher Burge '23 holds up the pig's leg with a scalpel, Trey Cade '23 takes a closer look at the pig's intestines. "We used a scalpel to cut open the pig so we could dissect it and take a closer look at the organs," Cade said. "It was fun. When you cut it open there was really only intestines inside since it wasn't fully developed." photos by d.gorsegner

VET SCIENCE

NOTE CHECK. As Aspen Vieyra '22 turns over the sheep's heart, Naomi Lopez Padilla '22 looks at her notes and drawing of the heart to help her lab partner identify a structure they can label in Aarika Capra's Honors Anatomy and Physiology class. photo by t.quarles **HERE IS MY ASSISTANCE.** Honors Anatomy and Physiology teacher Paul Sasseville steps in to point out a specific structure on the sheep's heart as lab partners Kately Burke '23 and Sandra Ramirez Madrigal '24 hold the heart while listening. "The students do a great job of getting involved in all of the labs and work hard to learn the material," Sasseville said. photo by. e.rawlings **STAND IN LINE** After grabbing her supplies, goggles and pan, Abigail Spencer '24 waits to receive her sheep's heart from Paul Sasseville, Honors Anatomy and Physiology teacher, during period three. "The labs we do in class really help us understand what we are trying to learn, and we get to work with other people which is nice," Spencer said. photo by. e.rawlings **LISTEN TO INSTRUCTIONS.** Standing at the front of the class, Honors Anatomy and Physiology teacher Aarika Capra holds up the sheep's heart she labeled with popsicle sticks as a model for the class. photo by t.quarles

ANATOMY & PHYSIOLOGY

AARIKA CAPRA, SCIENCE

"The heart is actually a challenging organ to dissect because there are so many blood vessels and chambers that need to be identified. What I love about science is how students get to investigate what they are learning and problem-solve."

WHAT IS A BILL NYE EPISODE YOU REMEMBER?

photo by l.pippin

CORBYN TATE '25
"I remember the static electricity video. It was about how charged particles build up with electricity until they explode. He is the greatest guy to ever exist."

ANNIE WEST '25
"I remember the episode about ecosystems, and I learned that you can't take away one part of the ecosystem without failing the rest of it. Bill Nye is a genius and taught so many people science in a memorable way."

QUENTIN CARLSON '24
"I remember the tornado episode.I don't quite remember what it was about but I remember learning about how they form. Bill Nye is pretty great. "

HAYDEN DEFEYTER '25
"I remember the one with dinosaurs. I was in fifth grade and we learned about fossils and stuff like that."

SOPHIA CONCA '25
"I remember the episode about matter and how that works in the objects around us. Bill Nye is very smart and he taught me a lot."

SIENNA MARCOVE '22
"I haven't watched Bill Nye since sixth grade, but I remember the ones about electricity and rockets. You knew it was going to be a good class if you were watching a Bill Nye episode."

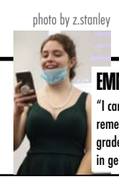


photo by z.stanley

EMMA DECRESCENTIS '23
"I can't remember very well, but I remember watching a rock video in sixth grade. We watched things about geology in general that helped us learn."

CAROLINE LARKINS '24
"I remember the one about magnetism. Bill Nye taught me lots of things in science when I was younger. "

AND THIS SHOULD CONVINCE YOU
WE JUST THINK SCIENCE IS COOL
Labs, HOSA
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