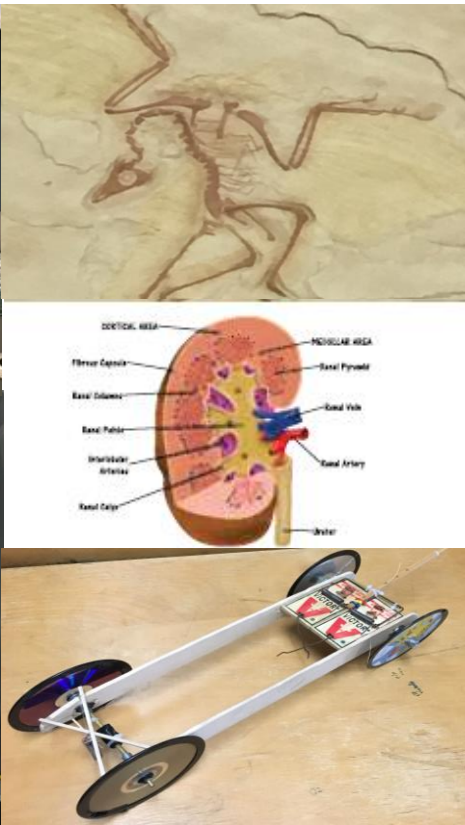
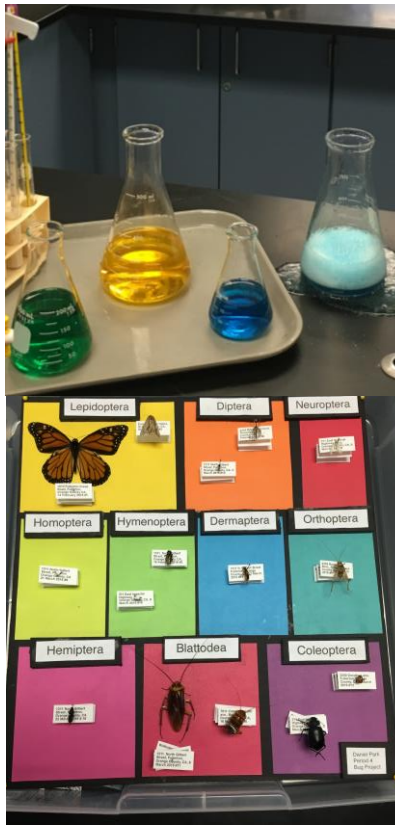




Troy High School
Fight Strong Like a Warrior

Troy Summer Science Experience 2024

Dates: June 24th – June 28th, 2024

Students: Incoming 7th graders through incoming 9th graders

Registration: Use QR Code below. Deadline is May 10, 2024

Weeklong program (5 days: Monday – Friday)

Cost: \$500/student*

Daily Schedule:

- Morning Session: 8:00am – 12:00pm
- LUNCH: 12:00pm – 12:30pm. Bring your own lunch / Or lunch available for purchase
- Optional Afternoon Sessions:
 - Computer Technology with SpheroBots and Drones (limit 40 students)
 - Lab Enrichment Skills (Hands-on / Wet Lab) (limit 60 students)

Follow Us:



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Register Here:



* A limited number of need-based scholarships are available for students with documented financial needs. 10% discount for siblings

Troy Summer Science Experience June 24th – June 28th, 2024

I. Field Science Class (w/ Field Trip)

This class will focus on three fields of science – Entomology, Geology and Fossils.



Students will be introduced to the diverse world of insects and learn how to identify them using a field guide.

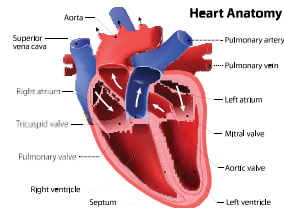
Students will also examine geologic specimens and critically identify the diversity of rocks and minerals that have been collected in various parts of the world.



Finally, participants will learn about extinct organisms by examining fossils and placing them in the geological time frames to capture a snapshot of the history of life on earth.

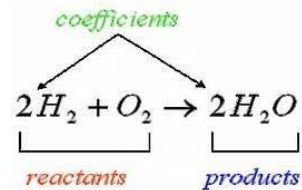
II. Anatomy & Physiology

This five-day journey will allow students to explore the history and major advancements in medicine, learn the art of dissection through an elaborate study of the anatomical structures and major systems of the Rat. Students will learn proper sterile technique, how to use dissection instruments including various suturing techniques, as well as expand their anatomical & medical terminology. In the end they will expand their vocabulary base for future Anatomy classes.



III. Chemistry/Forensics

This one-week program is designed to give students who are entering high school, a preliminary leg-up in chemistry. The program will focus on chemistry topics that students find challenging.



It teaches critical thinking and problem-solving skills that include atomic structure, formula writing, naming compounds, algebraic manipulation, dimensional analysis, and stoichiometry.

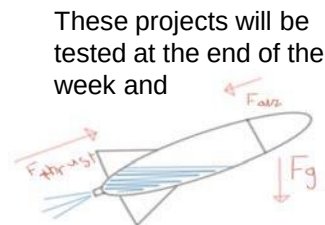


Some of these skills will be used to explore Forensics.

IV. Engineering I – Simple Machines



Students will learn the mechanics of simple machines that will include the construction of mousetrap cars, bottle rockets, and other simple machines.



These projects will be tested at the end of the week and



awards given for the best-most efficient car, rocket, etc.

Optional Afternoon Sessions

Computer Technology with SpheroBots and Drones

Time: 12:30pm - 2:30pm

Master programming basics through exciting robot and drone challenges in mazes and competitive races. Learn, compete, and innovate!



Laboratory Enrichment Skills – Hands-on / Wet Lab

Time: 12:30pm - 2:30pm

Prepare for high school with fundamental lab skills. Hands-on experiments teach measuring, safety, and scientific methods in a fun, engaging way!

