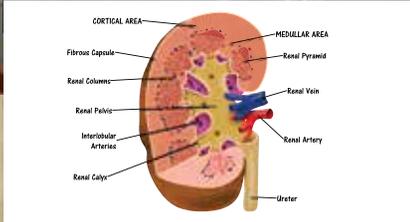




Troy High School  
Fight Strong Like a Warrior

# Troy Summer Science Experience

**Dates:** July 26th - July 30th, 2021  
**Students:** Incoming 7th grade through  
Incoming 9th graders



Week long program (5 Days: Mon.-Fri.)

Cost: \$500/student\*

**Daily schedule:**

- Morning Session: 8:00am - 12:00pm
- LUNCH (12:00pm - 12:30pm) Bring your own lunch
- Science Study Skills class: 12:30pm - 1:30pm (Only for incoming 9th grade Troy students)
- Optional Afternoon Science enrichment class with Spherobots: 12:30pm - 2:30pm

**For more information and to be added to the contact list please send email to: [jkirkpatrick@fjuhsd.org](mailto:jkirkpatrick@fjuhsd.org)**

Online registration is expected to open in Early May 2021

Visit [www.TheTroyDifference.org](http://www.TheTroyDifference.org) for more information.

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



## Classes

### I. Field Science Class (w/Field Trip)

This class will focus on these three fields of science: Ornithology, Geology, and Fossils.



Students will be introduced to the diverse world of birds and learn how to identify them utilizing a field guide. Students will also examine geologic specimens and

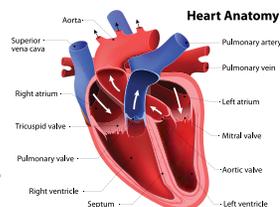
critically identify the diversity of rocks and minerals that have been collected in various parts of the world. Finally, participants will learn



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.

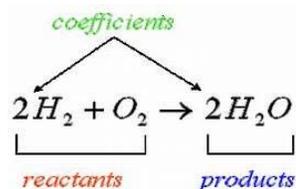
### II. Anatomy & Physiology

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/Food Science

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, and teaches



critical thinking and problem solving skills. Chemistry topics to be covered will include atomic structure, the design of the periodic table, formula

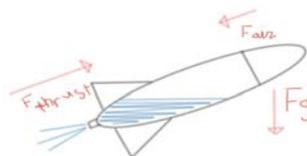
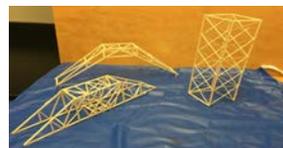
writing and naming compounds, algebraic manipulation, dimensional analysis, stoichiometry and basic problem solving in chemistry and teaches critical thinking and problem solving skills.

### 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.



### Afternoon Science Enrichment W/Spherobots

Optional afternoon class for any interested students

Time: 12:30pm - 2:30pm

During this enrichment class, students will learn the basics of programming while navigating their robots through mazes and competing in head to head competitions.



### Science Study Skills class

Only for incoming 9th grade Troy students

Time: 12:30pm - 1:30pm

Students will learn organization skills to be successful at Troy. They will learn how to navigate through the Google environment, properly read a science textbook, expand their science vocabulary and learn critical thinking strategies.

This camp is facilitated by TSO - The Troy Support Organization a 501c3 Non-Profit education foundation supporting the students of Troy HS.

Like and follow us @thetroydifference

