WILLIAM FREMD HIGH SCHOOL

SCIENCE

ELECTIVES AT-A-GLANCE



BENEFITS OF THESE ELECTIVES

- All Fremd students need to take 2 years of science but most Fremd students take 3 or 4 years of science.
- Fremd offers 2 dual credit classes (S347 Bio 2 & S437 Anatomy) along with 5 AP classes (S369 AP Physics 1&2, S429 AP Environmental, S439 AP Chem, S449 AP Bio and S469 AP Physics C).
- Fremd also has several semester electives that can be paired with other subjects like business and art.

SCIENCE ELECTIVES

S334 ASTRONOMY

Grade: 11,12
Astronomy is a study of both the solar and stellar systems.

Pre-Requisite: S234 or Dept. Reccomendation

S335 GEOLOGY

Grade: 11,12
Learn about the different minerals & rocks of the Earth.

Pre-Requisite: S234 or Dept. Reccomendation

S336 ENVIRONMENTAL STUDIES

Grade: 11,12
Explore environmental issues with a global perspective.

Pre-Requisite: Freshman Biology

S347 BIOLOGY 2 (DUAL CREDIT)

Grade: 11,12
Learn about cells and systems, ecological relationships, genetics, and biotechnology.
Pre-Requisite: S137 or S138 Biology

S353 APPLIED SCIENCE

Grade: 11,12
A topics-based science course exploring the connections between real world issues and classroom science.

Pre-Requisite: 2 years of science

S352 FORENSIC SCIENCE

Grade/Level: 11,12
Learn about the science of crime. Crime scene analysis, blood splatter, and fingerprint analysis.

Pre-Requisite: Physics or Dept. Reccomendation

S429 AP ENVIRONMENTAL SCIENCE

Grade: 10, 11, 12
College-level Environmental concepts

Pre-Requisites: Freshman Biology and S338 Chem or Dept. Reccomendation

S437 ANATOMY & PHYSIOLOGY (DUAL CREDIT)

Grade: 11,12
Learn about the structures and functions of living organisms

Pre-Requisites: Biology and Chemistry

S439 AP CHEMISTRY

Grade/Level: 11,12
College-level Chemistry concepts

Pre-Requisites: S338 or S332 Chemistry with department recommendation, plus specific math classes.

S449 AP BIOLOGY

Grade: 11,12
College-level Biology Concepts
Pre-Requisites: Freshman Biology and S338 Chem or Dept. Reccomendation

S469 AP PHYSICS C

Grade: 11, 12
College level calculus based physics
Pre-Requisites: S369 AP Physics and a calculus math class

S488 ADV. TOPIC IN SCIENCE

Grade: 11,12
Perform your own STEM research
Pre-Requisites: Currently enrolled in, or, have taken Physics.

Questions? Contact Karl Craddock, Science Department Chair

224-653-2406 kcraddock@d211.org