



Phone: 713-688-1361

Website: www.houstonisd.org/waltrip

Forensic Science:

Course Syllabus 2022-2023

Instructor: Mr. Ernesto Gonzalez

Email: ernesto.gonzalez@houstonisd.org

Room: 3204

Office Hours: Tuesday/Thursday (9:15-9:45), Wednesday/Friday (10:50-11:20)

Course description and Objective:

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. This course satisfies a high school science graduation requirement.

How Students will Succeed with the objective:

- Students will utilize scientific terminology, principles and investigative processing which will prepare them for college and university laboratory science courses, as well as in technical fields.
- Students will strengthen their communication skills through maintenance of a properly documented e-method, individual and group research reports, experimental reports, and oral presentations.
- Students will utilize computer and advanced technology tools to assist in detecting and collecting evidence, experiment simulations, analyzing the data, research and to develop online references.
- Students will investigate careers in Forensic Science and other related fields.

Class-Time Procedures:

1. **15/15:** students may not leave class the **first** or **last** 15 minutes of class – not even to rest room. So take care of personal between classes. If need restroom outside of time limit, will count Tardy.
2. **Attendance taken as soon as TARDY BELL rings!** On Traditional scheduled days, the cut-off for absent is first 15 minutes. On Block scheduled days, the cut-off for absent is 30 minutes. However, TARDIES are strictly enforced.
3. **IDs must be worn and always displayed as required by HISD and Waltrip!**
4. **Students are required to fill out YELLOW hall pass if need restroom break. Write name on paper when in and out.**
5. **Late work accepted up until day three, 3!**
6. **NO PHONE USE allowed!** only during research time and for Class purpose only. Must wait for Teacher to start the Research Time.

Grades:

Exams	40%
Activity Class Work	30%
Quizzes - Participation	30%

How Grades are earned:

- 2 Grades per week will be recorded on CANVAS. By end of each Cycle the students will have earned at least 12 grades.
- NO LATE Work Accepted after third late day.

Topics to be covered:

Professional Standards and Employer Expectations, Forensic Science and Career Options, Using Scientific Methods and Reasoning, Evidence Collection, Processing and Analyzing Trace Evidence, Impression Evidence, Blood Spatter Analysis, Toxicology Laboratory Procedures, Serology Laboratory Procedures, Analyzing DNA, Identifying Drugs, Bullet and Tool Mark, impressions, Questioned Document Analysis, Anthropology and Forensic Science, Decomposition of the Human Body...

Forensic Science Contract: Mr. Gonzalez, 2022-2023

Student Name, Assigned Seat, and Class period:

Parent/Guardian Name:

Contact Phone Number:

Contact email: _____

I have read, understood, and discussed the classroom rules and procedures with my son/daughter, and understand the grading policy, expectations, and other information provided on the syllabus.

Student Signature: _____

Parent Signature: _____

Date: _____