

Introduction to Forensic Science

Grades:	8th – 12th
Day of Week:	Monday
Time of Class:	1:00 pm – 2:30 pm ET
Length of Class:	90 min
Semester:	Fall 2020 and Winter 2021
High School Credit:	1 Science

Class Dates:

Fall

Week 1: September 14

Week 2: September 21

No Classes: September 28 - October 9 (Yom Kippur and Sukkot)

Week 3: October 12

Week 4: October 19

Week 5: October 26

Week 6: November 2

Week 7: November 9

Week 8: November 16

No Classes: November 23 – Thanksgiving Week

Week 9: November 30

Week 10: December 7

Make Up Week: December 14

Winter

Week 1: January 11

Week 2: January 18

Week 3: January 25

Week 4: February 1

Week 5: February 8

Week 6: February 15

Week 7: February 22

Week 8: March 1

Week 9: March 8

Week 10: March 15

Make Up Week: March 22

Instructor's Name:	Sarah Pope
Instructor's Email:	sarah@ebbingtides.com
Instructor's Skype:	(757) 567-4601
Instructor's Phone:	(757) 567-4601

Description of Class:

This is an introductory course in all things Forensic Science. Students will sharpen their sleuthing skills by applying deductive reasoning to weekly “crime files”, discover various career pathways in forensic science, as well as, form a solid foundation in blood splatter analysis, dactylography, forensic pathology, botany and entomology.

Class Approach:

This course is designed to give students a broader understanding of what a forensic scientist does. Through hands on labs, internet quests, and job shadowing opportunities, students will take an interactive approach to online Forensic Science.

Goals:

Using case studies, online simulations, at home labs, videos and readings, students will gain a deeper understanding of forensic science.

Textbook:

The teacher will provide a PDF file of Forensic Science: Fundamentals and Investigation.

Students who wish to purchase the book may do so using the following ISBN:

Student Edition ISBN 13: 978-0-538-44586-3

Student Edition ISBN 10: 0-538-44586-6

Additional Supplies/Resources Needed:

- Webcam
- Headset/with microphone
- Printer
- writing utensils and paper
- Notebook or binder
- Scissors & glue
- Video recording capabilities (webcam or mobile device can be used)

Most of the items needed for labs are everyday items you may already have in your kitchen.

Some materials include:

- Ink pad
- Balloons
- Red paint
- Flowers
- Shoes
- Mud

Weekly Homework:

Expect at least 2 hours of homework per week, including readings, graphing, labs, and questions.

Homework Policy:

All homework is expected to be completed by the due date. Quizzes and graded online assignments are developed using homework questions.

Additional Policies:

Attendance and participation during class and discussions is expected of all students.

Evaluation:

Weekly quizzes and labs will be assigned.

Grading Scale:

Weekly assignments	25%
Labs	25%
Quizzes	25%
Projects	25%

Anticipated Weekly Course Schedule:

Fall 2020 and Winter 2021

Week	Topic
Week 1	Introduction to Forensic Science
Week 2	Fields of Forensic Science
Week 3	Observation Skills
Week 4	Deductive Reasoning
Week 5	Types of Evidence
Week 6	CSI Team
Week 7	Evidence Collection
Week 8	Fingerprints 101
Week 9	Fingerprint Analysis Lab
Week 10	Hand Writing Analysis
Week 11	Fibers & Textiles
Week 12	Blood Splatter

Week	Topic
Week 13	Blood Splatter Lab
Week 14	Death: Manor, mechanism, & Cause
Week 15	Forensic Pathology
Week 16	Forensic Entomology
Week 17	Forensic Botany
Week 18	Forensic Anthropology
Week 19	Glass Evidence
Week 20	Class Presentations