

**Attention all Detectives and Crime Solvers!**  
**Forensic Science for Middle and High School Students**

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<b>Grades:</b>	<b>7<sup>th</sup> – 11<sup>th</sup></b>
<b>Day of Week:</b>	<b>Monday</b>
<b>Time of Class:</b>	<b>3:00 pm – 4:30 pm ET</b>
<b>Length of Class:</b>	<b>20 Weeks</b>
<b>Semester:</b>	<b>Fall 2023 &amp; Winter 2024</b>
<b>Tuition:</b>	<b>\$400.00</b>
<b>High School Credit:</b>	<b>1 Science (NOT Lab) or Elective</b>

**Class Dates:**

**Week 1: Week of September 11**

**Week 2: Week of September 18**

***No classes from September 25 – October 6, 2023 – Jewish Holidays***

**Week 3: Week of October 9**

**Week 4: Week of October 16**

**Week 5: Week of October 23**

**Week 6: Week of October 30**

**Week 7: Week of November 6**

**Week 8: Week of November 13**

***No classes from November 20 – 24 – Thanksgiving Holidays***

**Week 9: Week of November 27**

**Week 10: Week of December 4**

***Make-Up Days: Week of December 11***

**Week 11: Week of January 8**

**Week 12: Week of January 15**

**Week 13: Week of January 22**

**Week 14: Week of January 29**

**Week 15: Week of February 5**

**Week 16: Week of February 12**

**Week 17: Week of February 19**

**Week 18: Week of February 26**

**Week 19: Week of March 4**

**Week 20: Week of March 11**

***Make-Up Days: Week of March 18***

<b>Instructor's Name:</b>	<b>Sarah Pope</b>
<b>Instructor's Email:</b>	<b>sarah@ebbingtides.com</b>
<b>Instructor's Skype:</b>	<b>(757) 567-4601</b>
<b>Instructor's Phone:</b>	<b>(757) 567-4601</b>
<b>Instructor's Whats App:</b>	<b>(757) 567-4601</b>

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### **Description of Class:**

Just how do detectives know how to match up fingerprints or determine the manor of death? In Forensic Science you get to kindle your fascination for sleuthing and put logic and reason to the test in this crime solving class. Join the investigation as we study the various branches of forensic science; from crime scene investigation to forensic pathology to fingerprint analysis; this class is perfect for any student interested in becoming a forensic scientist.

### **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:**

Students will gain a comprehensive understanding of the major themes of forensic science, including proper procedures of crime scene investigation; fingerprint and blood splatter analysis, calculation of postmortem interval and identification of human remains.

### **Textbook:**

Forensic Science: Fundamentals & Investigations      ISBN: 13-978-0-538-44586-3

The teacher will provide a digital copy of the first edition of the textbook, note sheets, online simulations, labs, videos, & project instructions.

### **Additional Supplies/Resources Needed:**

- Webcam
- Headset/with microphone
- Printer
- writing utensils and paper
- Notebook or binder
- Highlighters
- 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:

- Parchment Paper
- Ink Pad
- Balloons

### **Weekly Homework:**

Expect at least 2 hours of homework per week, including readings, web quests, 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 in expected of all students.

### **Evaluation:**

Weekly quizzes and activities will be assigned.

### **Grading Scale:**

Weekly assignments	25%
Activities	25%
Quizzes	25%
Projects	25%

### **Anticipated Weekly Course Schedule:**

<b>Week</b>	<b>Topic</b>
Week 1	Introduction to Forensic Science Logic & Observation
Week 2	Fields of Forensic Science Exchange Principal
Week 3	CSI Team and Procedures & Evidence
Week 4	Proper Evidence Collection
Week 5	Dactylography: the study of Fingerprints
Week 6	Fingerprint Minutiae Detail Lab Blood & Blood Splatter Patterns
Week 7	Intro to Blood
Week 8	Blood Splatter Patterns Lab
Week 9	Pathology Pt 1 Death
Week 10	Pathology Pt 2 Medical Examiners & Autopsies

**Week****Topic**

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Week 10

**Winter**

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Week 11	Stages of Decomposition & Calculating Time of Death
Week 12	Post-Mortem Interval & Forensic Entomology
Week 13	Forensic Anthropology Pt 1 Human Skeletal system
Week 14	Forensic Anthropology Pt 2 Identifying Unknown Individuals
Week 15	Document analysis & Counterfeit
Week 16	Glass Evidence
Week 17	Ballistics
Week 18	Class Crime Case Pt 1
Week 19	Class Crime Case Trial
Week 20	Student Presentations

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