



**Course Name: Forensic**  
**Science School Year: 2021-2022**

**Course Purpose and Relevance:**

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.

**Overview of Student Outcomes:**

- The student is expected to achieve business and industry employability skills standards such as attendance, punctuality, meeting deadlines, working toward personal/team goals every day, and ethical use of technology.
- The student uses scientific methods and equipment during laboratory and field investigations.
- The student uses critical thinking, scientific reasoning, and problem solving to make informed decisions within and outside the classroom
- The student explores the history, legal aspects, and career options within forensic science.
- The student recognizes the procedures of evidence collection while maintaining the integrity of a crime scene.
- The student recognizes the methods to process and analyze trace evidence commonly found in a crime scene.
- The student analyzes impression evidence in forensic science.
- The student analyzes blood spatter at a simulated crime scene.
- The student explores toxicology laboratory procedures in forensic science.
- The student explores serology laboratory procedures in forensic science.
- The student analyzes deoxyribonucleic acid (DNA) laboratory procedures in forensic science.
- The student identifies drugs found at a simulated crime scene.
- The student evaluates bullet and tool mark impressions in a criminal investigation.
- The student explores principles of questioned document analysis in forensic science.
- The student explores principles of anthropology relevant to forensic science.
- The student calculates the time and cause of death in relationship to decomposition of the human body.

**Available Support for Student Learning:**

Refer to the teacher's Course Syllabus for resources and course specific opportunities.  
Student textbook and/or digital version are available through the CCISD Student Portal.

**Link to Course TEKS on State website:**

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130l.html#130.339>

<b>2021-2022 Year-At-A-Glance</b>	<b>Department</b>	Science	<b>PEIMS Code</b>	
	<b>Subject Area</b>	Forensic Science	<b>Grade Level</b>	11 - 12

Week	1 <sup>st</sup> Nine Weeks			2 <sup>nd</sup> Nine Weeks			3 <sup>rd</sup> Nine Weeks			4 <sup>th</sup> Nine Weeks	
	August	September	October	November	December	January	February	March	April	May	
1		History, Law, Legal Responsibilities and Careers  Evidence Basics	Trace Evidence	Tool Marks And Impressions	Questioned Documents	Drugs	DNA	Serology and Spatter  <b>End of 9 wks.</b>	Human Decomposition	Anthropology	
2		Evidence Basics	Trace Evidence  <b>End of 9 Wks.</b>	Tool Marks And Impressions  Ballistics	Review	Toxicology	Serology and Spatter	<b>Spring Break</b>	Human Decomposition	Anthropology	
3		Evidence Basics	Fingerprinting	Ballistics	<b>Semester Exams</b>	Toxicology	Serology and Spatter	Human Decomposition	Anthropology	<b>Review</b>	
4	Safety and Lab Techniques	Trace Evidence	Fingerprinting	<b>Thanksgiving</b>	<b>Holidays</b>	DNA	Serology and Spatter	Human Decomposition	Anthropology	<b>Final Exams</b>	
5	History, Law, Legal Responsibilities and Careers			Questioned Documents	<b>Holidays</b>			Human Decomposition			

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5	History, Law, Legal Responsibilities and Careers  Evidence Basics			Questioned Documents		DNA		Human Decomposition		