

Course Title:	Forensic Science	
Michigan Common Core State Standards – ELA Reading & Writing Next Generation Science Standards – Science and Engineering Practices 1-8		
Unit 1	Introduction to Forensic Science	
Essential Questions:	<ol style="list-style-type: none"> 1. What is forensic science and how has this field of science evolved? 2. What types of education, knowledge, and skills are required to effectively work as a forensic scientist? 3. What types of careers are available in the field of forensic science? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.7, 11-12.9 NGSS P4, P8	1.1	What is Forensic Science?
	1.2	History of Forensic Science
	1.3	Forensic Science Roles and Responsibilities
	Unit Review	Case Study: St. Valentine's Day Massacre
Unit 2	Crime Scene Analysis & Observation	
Essential Questions:	<ol style="list-style-type: none"> 1. What does a forensic scientist do at a crime scene? 2. How are crime scenes analyzed? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.9 CCSS.ELA-LITERACY.WHST.11-12.7 NGSS P2, P3, P4, P8	2.1	First Responders & Crime Scene Security
	2.2	Evidence Collection
	2.3	Types of Evidence
	Unit Review	Case Study: OJ Simpson Case
Unit 3	Soils, Botanicals, Hair and Fibers, & Glass	
Essential Questions:	<ol style="list-style-type: none"> 1. What physical evidence could be left by criminals at the crime scene? 2. How do forensic scientists analyze physical evidence? 	

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CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.9 NGSS P2, P3, P4, P5, P7, P8	3.1	Soil Evidence & Collection
	3.2	Hair, Fiber, and Botanical Evidence & Collection
	3.3	Glass Breakage Analysis
	Unit Review	Case Study: Joseph Corbett Jr. Case
Unit 4	Fingerprinting	
Essential Questions:	<ol style="list-style-type: none"> 1. How do forensic scientists find and collect fingerprint evidence? 2. How do forensic scientists use fingerprints to solve crimes? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.9 NGSS P2, P8	4.1	Fingerprint Evidence: Introduction and History
	4.2	Fingerprint Evidence: Analysis
	4.3	Fingerprint Evidence: Collection
	Unit Review	Case Study: Marion Ross Murder Case
Unit 5	Forensic Serology	
Essential Questions:	<ol style="list-style-type: none"> 1. How do forensic scientists find and collect serological evidence? 2. How do forensic scientists use body fluids to solve crimes? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.9 NGSS P2,, P3, P4, P5, P7, P8	5.1	Serological Evidence: Collection & Analysis
	5.2	Blood Stain and Spatter Analysis
	Unit Review	Case Study: Lindy Chamberlain Case

Unit 6	DNA Fingerprinting	
Essential Questions:	<ol style="list-style-type: none"> 1. How do forensic scientists find and collect DNA from crime scenes or potential perpetrators of crime? 2. How do forensic scientists use DNA to solve crimes? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.7, 11-12.9 NGSS P2, P3, P4, P5, P7, P8	6.1	DNA and It's History in Forensic Science
	6.2	DNA: Collection
	6.3	DNA: Analysis
	Unit Review	Case Study: Hawley Harvey Crippen Case
Unit 7	Firearms, Ballistics, Tool Marks, and Fire	
Essential Questions:	<ol style="list-style-type: none"> 1. What kind of evidence does a fire leave behind? 2. What kind of evidence does an explosion leave behind? 3. What evidence is left behind by tools used in a crime scene? 4. How do forensic scientists analyze fire, explosion, ballistic, and tool mark evidence? 	
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CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.7, 11-12.9 NGSS P2, P3, P4, P5, P7, P8	7.1	Arson and Explosives
	7.2	Firearms and Ballistics
	7.3	Tool Marks and Impressions
	Unit Review	Case Study: 2013 Boston Marathon Bombing
Unit 8	Human Remains & Death Analysis	
Essential Questions:	<ol style="list-style-type: none"> 1. How can analyzing a dead body help forensic scientist solve a crime? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9	8.1	Identifying and Examining Human Remains
	8.2	Determining Time of Death
	8.3	Determining Cause of Death

CCSS.ELA-LITERACY.WHST.11-12.7, 11-12.9 NGSS P2, P3, P4, P5, P7, P8	Unit Review	Case Study: Whitney Houston Case
Unit 9	Entomology	
Essential Questions:	<ol style="list-style-type: none"> 1. How can a dead body help to solve a crime? 2. What clues can insects give us about dead bodies at a crime scene? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.7, 11-12.9 NGSS P2, P3, P4, P7, P8	9.1	Introduction to Forensic Entomology
	9.2	How Insects Aid Investigations
	9.3	Common Insects of Death
	Unit Review	Case Study: Sylvia Hunt Case
Unit 10	Handwriting Analysis & Digital Forensics	
Essential Questions:	<ol style="list-style-type: none"> 1. How can a person's handwriting be used as evidence? 2. What types of crimes are committed using electronic devices? 3. How can stored data be collected and used as evidence? 	
Standards	Assignment	Description
CCSS.ELA-LITERACY.RST.11-12.7, 11-12.9 CCSS.ELA-LITERACY.WHST.11-12.7, 11-12.9 NGSS P2, P4, P7, P8	10.1	Handwriting Collection & Analysis
	10.2	Digital Forensics
	Unit Review	Case Study: JonBenet Ramsey Case