## **Cobb County School District 2018-2019**

Forensics Teaching & Learning Framework					
Unit 1	Unit 2	Unit 3	Unit 4	SLO	Unit 7:
4 weeks BL/8 weeks YR	3 weeks BL/6 weeks YR	3 weeks BL/6 weeks YR	3 weeks BL/6 weeks YR	Exam	2-3 weeks BL/ weeks YR
Unit 1: Recognizing &	Unit 2:	Unit 3:	Unit 4:		Unit 5:
Classifying Evidence	Techniques to Analyze	The Role of Forensics as it	Drugs, Toxicology, Blood,		Impressions, Tool
SFS1	Evidence	Applies to Mediolegal	and DNA		Marks, Weapons,
	SFS2	Death Investigations	SFS3		& Arson
		SFS5			SFS4
SFS1. Students will recognize	SFS2. Students will use various	SFS5. Students will evaluate the	SFS3. Students will analyze the		SFS4. Students
and classify various types of	scientific techniques to analyze	role of Forensics as it pertains	use of toxicology, serology,		will evaluate the role
evidence in relation to the	physical and trace	to Medicolegal Death	and DNA technology in		of ballistics, tool
definition and scope of	evidence.	Investigation.	forensic investigations.		marks and
Forensic Science	a. Identify and utilize	a. Identify various causes of	a.Classify toxins and their		evidence of arson in
a. Compare and contrast the	appropriate techniques used to	death (blunt force trauma, heart	effects on the body.		forensic investigation.
history of scientific forensic	lift and	attack, bleeding, etc.).	b.Compare the effects of		a.Identify firearm lab
techniques used in	evaluate readable, latent, plastic	b.Analyze evidence that pertains	alcohol on blood alcohol levels		tests used to
collecting and submitting	and visible fingerprints.	to the manner of death (natural,	with regard to gender, and		distinguish the
evidence for admissibility in co	b. Analyze the morphology and	homicide, suicide, accidental, or	according to the law.		characteristics of
urt (e.g. Locard's	types of hair, fibers, soil and	undetermined)	c.Evaluate forensic techniques		ballistics and
Exchange Principle, Frye	glass.		used to isolate toxins in the		cartridge cases.
standard, Daubert ruling).	c. Evaluate how post mortem		body.		b.Analyze the physics
b.Distinguish and categorize	changes are used to determine		d. Differentiate the forensic		of ballistic trajectory
physical and trace evidence	probable time of death:		techniques used to distinguish		to predict range of
(e.g. ballistics, drugs, fibers,	Rigor mortis		human and animal blood		firing.
fingerprints, glass, hair, metal,	Livor mortis		e. Analyze the physics of blood		c.Recognize the
lip prints, soil, and toxins).	Algor mortis		stain patterns		forensic significance of
c. Determine the proper	Gastric contents				tool marks, footwear
techniques to search, isolate,	d. Identify methods used for the				and tire impressions in
collect, and record physical and	evaluation of handwriting and				an investigation.
trace evidence.	document evidence.				d.Evaluate possible
d. Evaluate the relevance of	e. Determine the appropriate				indicators of arson
possible evidence at the site of	uses of chromatography and				and criminal bombing
an investigation.	spectroscopy in evidence				
e. Organize relevant	analysis.				
information to accurately					
develop and submit					
both scene and analysis					
reports.	on concepts from prior units, so later ur				

These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units.

All units will include the co-requisite **Characteristics of Science Standards** including the **Nature of Science** and **Habits of Mind** elements of the Georgia Performance Stan.