**PACING GUIDE**

**COURSE:** Forensics **GRADE(S):** 12th

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| **MONTH** | **UNIT** | **STANDARDS/SKILLS** | **ASSESSMENTS**  What evidence (formative/summative) is utilized to establish that the content, standards, & skills have been mastered? | **CONTENT**  Topics being covered? What do students need to know? (*nouns*) | **ACTIVITIES**  w/Integration of Technology & Career Ready Practices |
| September | \* Deductive Reasoning Unit  \* Crime Scenes Unit  \* Evidence Unit | SCI.9-12.5.1.12  SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.B  Know science is evidence based  SCI.9-12.5.1.12  SCI.9-12.5.1.12.C  Scientific knowledge builds upon itself  SCI.9-12.5.1.12.B  SCI.9-12.5.1.12.C  Scientific knowledge builds upon itself | Deadly Picnic Murder Case  Clue  FACES composite sketch  Mock Crime Case (Rudy’s Pet Shop)  Collecting/Preserving Evidence Lab  Search Warrants Case  Test on Crime Scenes and Evidence | Deductive Reasoning  Steps to Documenting a Crime Case  How to collect/preserve evidence  What is evidence | Deadly Picnic Murder Case  Clue Board Game  FACES Software  Mock Crime Case  Forensic Files Episodes “Paintball” and “Van-ished”  Collecting/Preserving Evidence Lab |
| October | \*Bertillon System  \*Fingerprints Unit  \*Blood/Blood typing unit | SCI.9-12.5.1.12.D  Growth of scientific knowledge  SCI.9-12.5.1.12  SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.B  Science uses observation tools | Bertillon system lab  Ridge Characteristics of Fingerprints (Cards/Balloons)  Dusting for Fingerprints  Test (Bertillon system /Fingerprints)  Blood/Blood typing quiz | How the Bertillon System works  What makes fingerprints unique, how they are formed, types/patterns  What are the blood types and how to identify them | Bertillon System lab  Fingerprint Identification, Forensic Files Episodes “Palm Print Conviction”, “Pure Bread Murder”, “Nice Threads”  Dusting for Fingerprints, Ridge Characteristics (cards and balloons)  Blood/Blood typing lab |
| November | \*Handwriting/Document Analysis Unit | SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.B  SCI.9-12.5.1.12.C  Science uses observation tools | 12 Basic characteristics of handwriting activity,  Quiz – document/handwriting analysis quiz | What makes handwriting unique, types of fraudulent writing, | Forensic Files Episode “Last Will”, Characteristics of handwriting lab, Day/Lake Worksheet |
| December | \*Anthropology Unit  \*Hair/Fiber Analysis Units | SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.C  Science is based on knowledge and accumulation of knowledge  SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.C  Science is based on knowledge and accumulation of knowledge | Sherlock Bones Lab  Test – Anthropology/Odontology  Hair Analysis Lab  Fiber Analysis Lab | How can bones be used to determine characteristics of people  What characteristics of hairs and fibers can be used in forensics | Sherlock Bones Activity, Forensic Files Episode “Past Lives”  Hair/Fiber Analysis Labs, Forensic Files Episode “Shopping Spree” |
| January | \* Glass Analysis Unit  \*Blood Spatter Unit  \*Impressions Unit | SCI.9-12.5.1.12  SCI.9-12.5.1.12.B  Science is knowledge based on scientific evidence  SCI.9-12.5.1.12.B  SCI.9-12.5.1.12.C  Scientific knowledge builds upon itself | Glass Analysis Lab  Blood Analysis Lab  Shoe Print Making Lab | How can glass be used to reconstruct a crime  What are the types of blood spatter and how are they created  What characteristics make your shoeprint unique | Glass Analysis Lab  Blood Spatter Analysis Lab  Shoe Print Making Lab |
| February | \* Deductive Reasoning Unit  \* Crime Scenes Unit  \* Evidence Unit | SCI.9-12.5.1.12  SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.B  Know science is evidence based  SCI.9-12.5.1.12  SCI.9-12.5.1.12.C  Scientific knowledge builds upon itself  SCI.9-12.5.1.12.B  SCI.9-12.5.1.12.C  Scientific knowledge builds upon itself | Deadly Picnic Murder Case  Clue  FACES composite sketch  Mock Crime Case (Rudy’s Pet Shop)  Collecting/Preserving Evidence Lab  Search Warrants Case  Test on Crime Scenes and Evidence | Deductive Reasoning  Steps to Documenting a Crime Case  How to collect/preserve evidence  What is evidence | Deadly Picnic Murder Case  Clue Board Game  FACES Software  Mock Crime Case  Forensic Files Episodes “Paintball” and “Van-ished”  Collecting/Preserving Evidence Lab |
| March | \*Bertillon System  \*Fingerprints Unit  \*Blood/Blood typing unit | SCI.9-12.5.1.12.D  Growth of scientific knowledge  SCI.9-12.5.1.12  SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.B  Science uses observation tools | Bertillon system lab  Ridge Characteristics of Fingerprints (Cards/Balloons)  Dusting for Fingerprints  Test (Bertillon system /Fingerprints)  Blood/Blood typing quiz | How the Bertillon System works  What makes fingerprints unique, how they are formed, types/patterns  What are the blood types and how to identify them | Bertillon System lab  Fingerprint Identification, Forensic Files Episodes “Palm Print Conviction”, “Pure Bread Murder”, “Nice Threads”  Dusting for Fingerprints, Ridge Characteristics (cards and balloons)  Blood/Blood typing lab |
| April | \*Anthropology Unit  \*Hair/Fiber Analysis Units | SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.C  Science is based on knowledge and accumulation of knowledge  SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.C  Science is based on knowledge and accumulation of knowledge | Sherlock Bones Lab  Test – Anthropology/Odontology  Hair Analysis Lab  Fiber Analysis Lab | How can bones be used to determine characteristics of people  What characteristics of hairs and fibers can be used in forensics | Sherlock Bones Activity, Forensic Files Episode “Past Lives”  Hair/Fiber Analysis Labs, Forensic Files Episode “Shopping Spree” |
| May | \*Hair/Fiber Analysis Units | SCI.9-12.5.1.12.A  SCI.9-12.5.1.12.C  Science is based on knowledge and accumulation of knowledge | Hair Analysis Lab  Fiber Analysis Lab | What characteristics of hairs and fibers can be used in forensics | Hair/Fiber Analysis Labs, Forensic Files Episode “Shopping Spree” |
| June | \* Glass Analysis Unit  \*Blood Spatter Unit  \*Impressions Unit | SCI.9-12.5.1.12  SCI.9-12.5.1.12.B  Science is knowledge based on scientific evidence  SCI.9-12.5.1.12.B  SCI.9-12.5.1.12.C  Scientific knowledge builds upon itself | Glass Analysis Lab  Blood Analysis Lab  Shoe Print Making Lab | How can glass be used to reconstruct a crime  What are the types of blood spatter and how are they created  What characteristics make your shoeprint unique | Glass Analysis Lab  Blood Spatter Analysis Lab  Shoe Print Making Lab |
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