

Forensics
Spring, 2010

Note: While all of these topics will be covered this quarter, Mrs. Kohli reserves the right to adjust this schedule as she deems necessary. Textbook pages in normal print are from the new (dragonfly) book, textbook pages in italics are from the old (elephant) book.

Jan. 4 - Policies & procedures, intro to class.

Jan. 5 - Observational skills (Ch. 1)

Jan. 6 - **Procedures quiz**, "The Art of Crime Detection"

Jan. 7 - Seven S's of crime scene investigation, Locard's exchange principle, trace evidence (Ch. 2)

Jan. 8 - Evaluating a crime scene & handling of evidence, finish computer activities

Jan. 11 **Mini-Test on Ch. 1 & Ch. 2.** Intro to hair

Jan. 12 - Hair lab (Activity 3-1)

Jan. 13 - Hair lab (Activity 3-2 modified). Case studies if time.

Jan. 14 - Hair testimony essay (Activity 3-3).

Jan. 15 - **Hair quiz.** Case studies & careers

Jan. 18 - **No School** **Martin Luther King, Jr.**

Jan. 19 - Intro to fibers, and intro fiber lab. (Ch. 4)

Jan. 20 Wayne Williams case study

Jan. 21 - Microscopic fiber & weave pattern analysis lab (Activities 4-1 & 4-3)

Jan. 22 - Burn analysis of fibers lab (Activity 4-5) **DRESS**

Jan. 25 - Textile identification lab (Activity 4-3/4-4 modified).

Jan. 26 - **Fiber quiz.** Intro to pollen & spores, introductory pollen lab (Ch. 5)

Jan. 27 - Case studies & careers - Otzi

Jan. 28 - Pollen Examination (Activity 5-1).

Jan. 29 - Intro to soil (Ch. 12), begin Soil Profile Examination

Feb. 1 - Finish Soil Profile. Chemical & Physical Analysis of Sand (Activity 12-3)
DRESS

Feb. 2 - Catchup/review

Feb. 3 - **Unit Test**, case studies & careers

Feb. 4 - Guest speaker if possible. If not, serial arson video.

Feb. 5 - Intro to fingerprints (Ch. 6), print ten-cards (Activity 6-4)

Feb. 8 - Fingerprint lab (Activities 6-5 & 6-6, and additional as time permits).

Feb. 9 - Complete fingerprint lab, case studies & careers. (Activity 6-3 modified)

Feb. 10 - **Fingerprint quiz.** (*very short day - district PLC*)

Feb. 11 - Intro to DNA fingerprinting (Ch. 7).

Feb. 12 - Virtual PCR, virtual gel electrophoresis, web-based activities

Feb. 15 - **No School** **Presidents Day**

Feb. 16 - Gel electrophoresis, DNA practice activities (Activities 7-4, 7-5, 7-6)
DRESS

Feb. 17 - "The Killer's Trail"

Feb. 18 - DNA quiz. Intro to blood composition and types (Ch. 8)

Feb. 19 - Presumptive test for blood (Activity 8-1) DRESS

Feb. 22 - Begin Blood Spatter Analysis (Activity 8-3) and Blood-Spatter Impact Angle (Activity 8-4) DRESS

Feb. 23 - AIMS Writing. Analyze blood spatter results.

Feb. 24 - AIMS Reading. Analyze blood spatter results, case studies & careers

Feb. 25 - Area of Convergence (Activity 8-5), case studies

Feb. 26 - Blood typing, Point of Origin (Activity 8-6) and Crime Scene Investigation (Activity 8-7)

Mar. 1 - Blood spatter analysis case

Mar. 2 - Discuss case findings. Forensic animation.

Mar. 3 - Catchup/review

Mar. 4 - Unit test, discuss test

Mar. 5 - Personal choice project

Mar. 8 - Personal choice project

Mar. 9 - Projects shared

Mar. 10 - Review for finals.

Mar. 11 - Final exams.

Mar. 12 - Final exams.

Mar. 22 - What is death? Autopsies. (Ch.11)

Mar. 23 - Time of death (Activities 11-1 & 11-2).

Mar. 24 - Forensic entomology, estimate time of death from insect evidence (Addtl. Activity 11-1)

Mar. 25 - Conclude remaining activities

Mar. 26 - Forensic Entomology Research

Mar. 29 - Entomology Murder Lesson

Mar. 30 - Stomach Content lab

Mar. 31 - AIMS Math (Probably no class)

Apr. 1 - AIMS Science. Write up stomach lab.

Apr. 2 - Holiday - No School

Apr. 5 - Intro to forensic anthropology (Ch. 13), determining gender & body size (Activities 13-1, 13-2 & 13-4)

Apr. 6 - "No Bones About It" & "What the Bones Tell Us" (Activity 13-6 & No Bones)

Apr. 7 - "The Romanovs" & (Activities 13-3), & facial reconstruction

Apr. 8 - Review/Catchup

Apr. 9 - Unit Test

Apr. 12 - Intro to glass (Ch. 14), calculate density (Activity 14-2 modified)

Apr. 13 - The refractive index (Activity 14-4 modified)

Apr. 14 - Glass fracture patterns (Activity 14-1)

Apr. 15 - Glass quiz, Shoe prints (Ch. 15), cast shoeprints

Apr. 16 - Examine casts, Tire prints, (Activity 15-4, part B), demo drag sled

Apr. 19 - Edheads Accident Reconstruction, "Examining Lamps for On/Off", begin "Reconstructing a Murder by Automobile"

Apr. 20 - "Reconstructing a Murder by Automobile"

Apr. 21 - Finish automobile collision, Case studies & careers.

Apr. 22 - Dental impressions (Activity 15-5)

Apr. 23 - Catchup/review

Apr. 26 - Unit test, begin CSI webquest or Nova (bombing/plane crash investigations)

Apr. 27 - CSI webquest

Apr. 28 - Finish CSI webquest, Helle Crafts case

Apr. 29 - Tool marks (Ch. 16), identifying tool marks (Activities 16-1 & 16-2)

Apr. 30 - Finish tool marks

May 3 - Intro to ballistics, firing pin match (Activity 17-2)

May 4 - FirearmsID.com activities

May 5 - Bullet trajectory case studies (*very short day - district PLC*)

May 6 - Bullet trajectory, cont. (Activity 17-1). Catchup/review

May 7 - Unit Test

May 10 - Crime Scene Project, initial investigation.

May 11 - Crime Scene Project, lab analysis

May 12 - Discuss test, Case studies & careers if time. *Very short day - Academic Awards Assembly*

May 13 - Crime Scene Project, computer lab for write up

May 14 - Crime Scene Project Presentations

May 17 - Review for final exams

May 18 - Senior final exams (review for final exams)

May 19 - Final Exams

May 20 - Final Exams