



HOMEWOOD-FLOSSMOOR HIGH SCHOOL COURSE SCOPE & SEQUENCE



Semester 1 '10 –'11 Department: Science

Course: Honors Forensic Science

Instructor(s): Banasiak, Matys

*The Homewood-Flossmoor High School Course Scope & Sequence provides parents and students with a semester-long overview of each class that we offer. **An instructor may alter a course's scope & sequence as needed.** Students are responsible for keeping track of due dates and other pertinent course information in their H-F Student Planners. Parents, please contact your child's teacher by telephone or e-mail to clarify any questions you may have about the scope & sequence of a particular course.*

WEEK	INSTRUCTIONAL CONTENT	COLLEGE READINESS STANDARDS	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #1 8/16 – 8/20 No school: 8/16 & 8/17	Chapter 1	S.I.b.2 S.II.b.1.	Intro to forensics, Lab 1: Case of Broken Recliner (fingerprints, powders, fibers, ink chromatography)	none	Pg. 2-19
WEEK #2 8/23 – 8/27	Chapter 1/2	S.I.c.3 S.I.b.3. S.I.b.2.	Lab 1 Suspect evaluation, Fingerprint Intro, Discuss errors and poor logic. Balloon fingerprint lab, ridgeology ID practice		Pg. 2-19/20-47
WEEK #3 8/30 – 9/3	Chapter 2	S.I.b.3. S.I.b.2.	Lifting notes, making your own Ten Card. Lifting Fingerprints, observations, crime scene. Observation skills	Print quiz	Pgs. 20-47
WEEK #4 9/6 – 9/10 No school: 9/6	Chapter 6	S.I.c.3 S.I.b.3. S.I.b.2.	Sketching a crime scene, evidence collection and practice,	Practicum	Pgs. 132-157



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WEEK #5 9/13 – 9/17	Chapter 6	S.I.c.3. S.I.b.3. S.I.b.2.	Off-scene practicum, sketch the suspect. Bone Collector, Finish Film. Crime scene game.		Pgs. 132-147
WEEK #6 9/20 – 9/24	Chapter 3	S.I.f.2. S.I.b.3. S.I.b.2.	Hair introductions and notes. Microscope hair intro. Animal hairs, comparisons to humans.		Pgs. 48-75
WEEK #7 9/27 – 10/1	Chapter 3	S.I.f.2. S.I.b.3. S.I.b.2.	Eyelash, eyebrow hair, and arm hair. Fibers. Fiber burn test. Fiber chemical testing.		Pgs. 48-75
WEEK #8 10/4 – 10/8	Chapter 4		Practicum practice.	Practicum. Quiz.	Pgs. 76-105
WEEK #9 10/11 –10/15 No school: 10/11 All School Testing: 10/13	Chapter 4	S.I.f.2. S.I.b.3. S.I.b.2.	Genetics review, Punnett review. Case studies. Immunology, Punnett and Blood		Pgs. 76-105
WEEK #10 10/18 –10/22 End of 1 st Quarter: 10/22	Chapter 8	S.I.f.2. S.I.b.3. S.I.b.2.	DNA notes. Blood typing lab. Blood slide investigation. Blood splatter introduction. Blood splatter on an angle.	Quiz on Blood.	Pgs. 194-249



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WEEK	INSTRUCTIONAL CONTENT	COLLEGE READINESS STANDARDS	ACTIVITIES, READINGS, LABS, AND/OR ASSIGNMENTS	MAJOR ASSESSMENTS	OTHER
WEEK #11 10/25 –10/29	Chapter 8	S.I.c.3. S.I.b.3. S.I.b.2.	Blood notes and discussion. Blood splatter, point of origin, practice and lab. Splatter practice.	Blood splatter practicum.	Pgs. 194-249
WEEK #12 11/1 – 11/5 Parent/teacher Conferences: 11/4 No school: 11/5	Chapter 15-2	S.I.f.2. S.I.b.3. S.I.b.2.	Lip print practice. Investigate relationship between shoe size and height. Logical thinking practice. Crime myths, Blood splatter video.		Pgs. 430-467
WEEK #13 11/8 –11/12 No school: 11/11	Chapter 7	S.II.b.1. S.I.b.3. S.I.b.2.	DNA electrophoresis notes. DNA fingerprinting lab.		Pgs. 158-193
WEEK #14 11/15 –11/19	Chapter 7	S.II.f.3. S.I.b.3. S.I.b.2.	Analyze lab results. Read article on how science can use DNA. Intro into forensic anthropology and mitochondrial DNA notes		Pgs. 158-193
WEEK #15 11/22 – 11/26 No school: 11/25 &11/26	Thanksgiving	S.I.b.3. S.I.b.2.	The Murder of the Romanovs, DNA and solving crimes of history online activity. chromosome, DNA forensic anthropology and ancestry Presentations on crime project. Presentations Day two		



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WEEK #16 11/29 – 12/3	Chapter 13	S.I.b.3. S.I.b.2.	Bertillon measurements. Bertillon discussion, anatomical terms, basic bones and bone intro lab. Open lab, bone lab, online mystery lab, determining age, ethnicity, gender, height paper labs.		Pgs. 360-393
WEEK #17 12/6 – 12/10	Chapter 13	S.I.b.3. S.I.b.2.	Open Lab. 12/(10)11/08-Video with facial reconstruction. go over materials 12/09(10)/08-Mini-Practicum, Lions of Tsavo.		Pgs. 360-393
WEEK #18 12/13 –12/17	Chapter 13	S.I.b.3. S.I.b.2.	READ HERE. 12/08/08-Summarize last week, what can we determine from bones		Pgs. 360-393
WEEK #19 1/3 – 1/7	Final Review				
WEEK #20 1/10 – 1/16 Finals: 1/10 – 1/15 Marking Day 1/16					



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