

Lesson Implementation Form

Name of Lesson: Crime Scene Investigation: Hair Analysis Lab
 Teacher: Bonnie C. Barnes & Patricia Campos
 Curriculum Focus: Integrated Physics and Chemistry, High School
 Target Goals: Students will explore the differences between human hair and animal hair and analyze hair found on a "victim". They will then determine if it is human hair or animal hair and reflect on how the clue could help forensic experts at the scene of a crime.

Students will study information from multiple references, including Internet resources, using dictionaries and online resources as needed to clarify meanings and usage.

Professional Goals: Assist Teacher with Implementing Science, Language Arts and Technology TEKS

Grade Level(s): High School IPC – 9th through 12th Grade
 Number of Students: 15 Amount of Time: 1 to 2 Class Periods

Use of Modern/Emerging Technologies – Check all that apply.

Word Processing	✓	Whole Group Presentation	✓
Desktop Publishing		Spreadsheets	
Graphing software	✓	Databases	
Multimedia Slideshow	✓	Internet Research	✓
Online Resources	✓	CD-Rom Research CDs	
Digital Camera		Laser Disc Player	
Scanner		Camcorder	
Other: Graphic Organizer Software & Digital Microscope Software			

Name of Software(s) Used:
Word, Excel, PowerPoint, Inspiration, Digital Blue

Resource Management Plan– Check all that apply.

Media Center	✓	Special Education	✓
Technology Lab	✓	District/Campus Network	✓
Museums		Business Partners	
Freeware		Online Instructional Materials	✓
Shareware		Internet	✓
Other: Distance Learning Lab			

Adaptive/Assistive Technologies– Check all that apply.

Text-to-Speech		Learning Software	✓
Enlarged text adaptations	✓	Second Language Software	
Keyboard adaptations		Voice Recognition	
Pacing modifications	✓	Software modifications	✓
Assistive Devices	✓	Adaptive Devices	✓

Other:

New Designs for Teaching and Learning- Check all that apply.

Whole Group	✓	Cooperative Groups	✓
Student Centered Learning	✓	Small Groups	✓
Collaborative Planning	✓	Discovery-Based Learning	✓
Learning Centers (Stations)	✓	Project-Based Instruction	✓
Interdisciplinary Learning	✓	Individual	

Technology Management Strategies

Ease of Access	✓	Computer Use	✓
Physical Space	✓	Student Behavior	✓

Explain:

Other:

Resources sited:

http://www.southcentralrtec.org/alt/mod_19.html

<http://www.capitalhigh.org/dna/scenario2.html>

<http://library.thinkquest.org/04oct/00206/index1.htm>

<http://www.thesolutionsite.com/lesson/25051/overview.html>

http://www.ithyroid.com/hair_analysis.htm

<http://www.fbi.gov/hq/lab/fsc/backissu/july2000/deedric1.htm#Animal%20Hairs>

<http://www.fbi.gov/fbikids.htm>

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