

**Books**

*Detecting Forgery : Forensic Investigation of Documents*, Nickell, Joe, ISBN: 0813119537

Nickell, a former investigator for a detective agency, details the methods forensic experts use to detect forged handwriting and alterations in documents and to identify the authorship of disputed writings.

*Art in Chemistry; Chemistry in Art*, Greenberg, Barbara and Diane Patterson, fall 1998, ISBN 1-56308-487-2

*Chasing Cezanne*, Mayle, Peter

*A Masterpiece of Revenge*. Fiechter, Jean-Jacques. Arcade, 1997

Charles Vermeille, famous art appraiser, is set up in this psychological mystery to choose between his reputation and the life of his son.

*False Impressions: The Hunt For Big-Time Art Fakes*, Hoving, Thomas.

*The Beekeeper's Apprentice*, King, Laurie. St. Martin's Press, 1994.

A teenage girl from California meets Sherlock Holmes near his retirement home on the Moors, then joins him in battling England's master criminals.

**Web Sites**

Lesson plans on fakes and forgeries in art  
<http://www.artsednet.getty.edu/ArtsEdNet/Resources/Sampler/c-1.html>

For other sites, see Event-Based Science Web site  
<http://www.eventbasedscience.com>

**National Science Content Standards**

Content Area	Standards
Physical Science	A1, A2, A3, C1, C2, C5
Life Science	C2
Science in Personal & Social Perspectives	A2, E2, E4, E5
History and Nature of Science	A1, A2, B3, C1

<b>Materials</b>		
<b>Activity</b>	<b>Material</b>	<b>Amount</b>
Earn your pHdee	pH paper, pks of 100, wide range	8 per class
	Plastic spoons	8 per class (x)
	Sugar (1 lb.)	1 per class (x)
	Vinegar	1 per class (x)
	Baking soda	1 per class (x)
Fiber Space	Hand lens, plastic, 6x	8 per class (x)
	Forceps, plastic	8 per class (x)
	Matches (box)	8 per class (x)
	Acrylic yarn (colored - 1 skein)	1 per class
	Cotton yarn (colored - 1 skein)	2 per class
	Wool yarn (colored - 1 skein)	3 per class
Mask	Black permanent markers	8 per class
	Aluminum foil box	1 per class (x)
	Masking tape, roll	1 per class (x)
	Copper, pcs of foil at least 1 sq. in	8 per class
	Steel, pcs of foil at least 1 sq. in	8 per class
	Brass, pcs of foil at least 1 sq. in	8 per class
	Aluminum, pcs of foil at least 1 sq. in	8 per class
	Paper plates	32 per class(x)
Metal of Honor	Solid electrical wire (22 gauge)	24 per class
	Flashlight bulb, #222	8 per class
	Flashlight bulb holder	8 per class
	1.5 v battery	8 per class
	Battery holder, plastic	8 per class
	Steel strip	8 per class
	Copper strip	8 per class
	Aluminum strip	8 per class
	Brass strip	8 per class
	Ceramic magnet, 1" x 3/4" x 3/8"	8 per class
	Flat pencil eraser	8 per class (x)
	Salt	1 per class (x)
	Graphite rod or "lead" from a pencil	8 per class (x)
	Utility candle, 5" x 3/4"	8 per class

**Fraud!**

To return to the lesson, select Exit from the File pull-down menu.

Rusty Elements	Chromatography paper, 1", 300ft roll (set of 3 types)	1 per class
	Plastic cups	24 per class(x)
	Steel wool	1 per class (x)
	Sand (5 lb.)	1 per class (x)
	Iron filings, 250 grams	1 per class
Task	Acrylic yarn (black - 40cm)	1 per class
	Cotton yarn (black - 40cm)	1 per class
	Wool yarn (black - 40cm)	1 per class
What a Mass	String (kite)	1 per class (x)
	Unsharpened pencil	8 per class (x)
	Large paper clip, box	1 per class (x)
	Small paper clip, box	1 per class (x)
	(x) denotes the material is part of an available kit	

To return to the lesson, select Exit from the File pull-down menu.