**Cool Forensic Links**

From the Forensic Teacher Mag: “Picked by us for you. And we’re picky. Only about 3% of sites we become aware of make the cut, so you know they’re worth a look.” I have organised the list into topics.

**Autopsy**

<http://australianmuseum.net.au/interactive-tools/autopsy/>
An introduction to the autopsy without a lot of gore.

<https://www.youtube.com/watch?v=8jn67tdEGY4&list=PLeROW1LBW2aGRzhfnNRjinjTktdK8oABZ&index=8&t=402s>
An autopsy of an obese woman that demonstrates the effects of fat on the human body. It’s not what you think it is.

[https://www.youtube.com/watch?v=UPuJcSkx8Es](https://www.youtube.com/watch?v=UPuJcSkx8Es&list=PLeROW1LBW2aGRzhfnNRjinjTktdK8oABZ&index=7&t=1184s)
A fascinating look inside one of the best preserved, oldest mummies ever found

**Blood**

<https://alvideo.ameslab.gov/archive/bpa-videos/?fbclid=IwAR3oRdRo06ZIh__gV5XGlTAG1IBmgMctVo228z-wH1bEvGbpireAwt32aJc>
High speed digital video analysis of bloodstain pattern formation from common bloodletting mechanisms.

<https://educationalgames.nobelprize.org/educational/medicine/bloodtypinggame/gamev3/1.php>
This site does a great job of explaining blood typing. PLUS, there’s a neat game at the top of the page to see if you really know what you’re doing when it comes to blood types. Just remember to use the syringe to draw blood from the patient’s elbow and deposit it in the typing tubes on the right.

**Bone/Teeth**

<https://www.ncjrs.gov/pdffiles1/nij/grants/232227.pdf>
Knife and Saw Toolmark Analysis in Bone: A Manual Designed for the Examination of Criminal Mutilation and Dismemberment. If your students ever look for toolmarks on bones you need this.

[Worksheet from Hazelton Area School](https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.hasdk12.org/cms/lib3/PA01001366/Centricity/Domain/1019/Analysis%2520of%2520Skeletal%2520Remains.docx&ved=2ahUKEwjImd2kyK2MAxWJLtAFHW2nOegQFnoECBUQAQ&usg=AOvVaw3v8WjwAQMjcSnkA7xQnopI) (Original [SHS source](http://shs2.westport.k12.ct.us/forensics/11-forensic_anthropology/skeletal_analysis_worksheet.htm) no longer available).
A very nice treatment of skeletal remains; lots of great info and a worksheet for your students.

[http://www.abfo.org](http://www.abfo.org/)
The final word for forensic odontology. You have questions, they have ALL kinds of answers.

**Bullets/Guns**

<https://www.youtube.com/watch?v=_gZ7CKKP3MY&t=345s>
A crime scene analyst does a great job explaining how bullet trajectories are determined, and what happens to a bullet when it strikes its target.

<http://www.encyclopedia.com/topic/Bulletproof_vests.aspx>
Fascinating reading about staying alive when the bad guys have guns.

**Careers**

https://www.acs.org/careers/chemical-sciences/fields/forensic-chemistry.html
If you like chemistry and are thinking about a career in forensics this site provides background info to consider

**Collecting evidence**

<http://www.crime-scene-investigator.net/csi-collection.html>
If you think you want to collect it, this site explains how. Seriously.

**Counterfeit money**

<http://fitsmallbusiness.com/how-to-detect-counterfeit-money>
A neat guide to a whole new way to look at currency. Think you know what a real and fake bill look like? Think you can tell the difference? This site has some interesting things to say.

**Digital fraud**

<https://www.broadbandsearch.net/blog/common-online-scams>
Even if you and your students aren’t doing a unit on digital forensics, this is a great site to learn about the kinds of scams we face every day.

[http://howsecureismypassword.net](http://howsecureismypassword.net/)
Type in any password and this website will let you  know how long it would take a determined hacker to get in. You’ll be surprised.

<http://www.theatlantic.com/technology/archive/2012/10/sorting-the-real-sandy-photos-from-the-fakes/264243/>
A very nice examination of doctored photos you may have seen after hurricane Sandy

<http://forensicphotoshop.blogspot.com/2010/07/authentication-of-on-line-images.html>
A court ruling about the admissibility of images that may have been altered. VERY interesting.

<http://www.fbi.gov/news/stories/2013/january/piecing-together-digital-evidence>
Great story about how the FBI investigated a massive environmental cover-up using digital forensics.

<http://www.crime-scene-investigator.net/csi-photo.html>
If you’re paranoid about fake photos this is the site for you.

**DNA**

<https://newrepublic.com/article/148170/supreme-court-rewrite-rules-dna-searches>
A topical privacy issue for your students to debate as Ancestry and 23andMe are used by law enforcement to search your relatives’ DNA to narrow the search for you.

**Explosives**

<https://www.youtube.com/watch?v=nW_P2ngKPws&list=PLeROW1LBW2aGRzhfnNRjinjTktdK8oABZ&index=26&t=0s>
John Stewart, FBI agent and unit chief at the Hazardous Devices School, breaks down how bomb units in the police and military dispose of improvised explosive devices (IED) and other forms of ordnance.

**Eyewitness reliability**

<https://faculty.washington.edu/chudler/chmemory.html>
This website is a  delightful collection of 20 memory challenges for you and your students that features exercises based on neuropsychology that demonstrate how our memories often fail us and sometimes why out of sight is out of mind.

**Fingerprints**

<https://www.youtube.com/watch?v=0DHywidLX6A&t=374s>
Simona Francese is an outstanding player in the world of forensics, particularly fingerprints. This link will take you to one of her TED talks on the subject that will delight you and your students.

<https://www.cbdiai.org/start-interactive-chemical-reagent-program.html>
A jaw-dropping collection of techniques for finding latent prints on any surface imaginable. From the Chesapeake Bay Division of the IAI.

<https://scholarlycommons.law.northwestern.edu/cgi/viewcontent.cgi?article=7201&context=jclc>
After the landmark Mayfield case this was one of the first in-depth, objective commentaries on the subject of the fallibility of fingerprints. A great starting place to show students how sometimes supposedly watertight evidence just isn’t so.

<https://www.fbi.gov/services/laboratory/biometric-analysis/codis>
Everything you ever wanted to know about CODIS, and then some.

<https://www.ncjrs.gov/pdffiles1/nij/225320.pdf>
Talk about the Holy Grail—this is the Fingerprint Sourcebook from the National Institute of Justice. This book is so complete it’s forgotten more than you’ll ever know about fingerprints. Wow. Just wow.

<http://www.naturphilosophie.co.uk/we-delve-into-time-of-flight-mass-spectrometry-forensics/>
Don’t let the technical language distract you and you’ll be rewarded with a cool explanation of how great fingerprints really are.

**Geology**

<http://web.mst.edu/~rogersda/forensic_geology/Geoforensics%20Case%20Histories.htm>
A ton of neat cases where forensic geology was used to solve crimes. If you think rocks only relate to crime as weapons this site will change your mind.

**Hair**

<https://www.nist.gov/news-events/news/2019/11/solution-hairy-problem-forensic-science>
Scientists at the National Institute of Standards and Technology (NIST) have developed a new way to analyze hair proteins without destroying them. Once in solution, the protein molecules from two hairs can be analyzed and compared, yielding objective, quantitative results. This site goes over the process and the structure of hair in a way that’s nothing less than amazing.

[http://www.microlabgallery.com/hair.aspx](http://www.microlabgallery.com/hair.aspx?fbclid=IwAR1sZs2smS9WybzVBGKNZWI3IrSjLco0-wECZUayvIL0fDmr0RWfMis0nJU)
A delightful photomicrograph gallery of hair.

**Human Remains**

<http://catalogimages.wiley.com/images/db/pdf/9780470758045.excerpt.pdf>
This is the first chapter of Essential Forensic Biology, 2nd Ed. by Alan Gun, The Decay, Discovery And Recovery Of Human Bodies. A succinct, but thorough treatment of the subject.

**Links**

<http://www.istl.org/03-spring/internet.html#intro>
A cool list of links to a wide variety of forensic resources on the web.

**Misconceptions**

[https://www.youtube.com/watch?v=6WpQFB8i9YA&list=PLh7mthBh1GtnZeQfr8I6BqvjHcl2nPd\_M&index=26](https://www.youtube.com/watch?v=6WpQFB8i9YA&list=PLh7mthBh1GtnZeQfr8I6BqvjHcl2nPd_M&index=26%20)A series of videos from the National Forensics Science Technology Center that points out common misconceptions about forensics.

**Overview of multiple aspects**

[http://www.forensicsciencesimplified.org](http://www.forensicsciencesimplified.org/)
A great place to learn about forensics for someone wanting to get up to speed quickly. Send new students here for a webquest. Don’t forget to check out the “Find Out More” sidebar in every subject for the full experience.

[http://aboutforensics.co.uk](http://aboutforensics.co.uk/)
A wonderfully thorough and visually smooth place to go if you have any questions about forensics. This would be a great place to send students on a webquest.

[http://www.atf.gov](http://www.atf.gov/)
The amount of info on this site is incredible if you have the time to dig. Firearms, explosives, arson

<http://www.crime-scene-investigator.net/index.html>
An unbelievable resource for a ton of forensic information.

<http://www.chymist.com/forensics.html>
A great place to look up details on many forensic subjects. Also has reproducibles, labs, and activities.

https://simplyforensic.com/forensic-science-timeline/
The most amazing collection of chronological events for emerging forensic technology you’ve ever seen

**Past cases**

<https://www.fbi.gov/stats-services/publications/fbi-story/the-fbi-story-2014>
The FBI worked overtime to produce this scrapbook about its history. You can save the webpage as a PDF for later reading. It’s colourful, it’s to the point, and none of the really cool tales are longer than one page. Definitely something to savour.

<http://www.myfloridalaw.com/criminal-defense/criminals-public-enemy-era/>
An interesting site featuring some of the twentieth century’s most famous criminals and their backstories.

**Scenarios**

[https://www.youtube.com/watch?v=GXtOQXUbPgU](https://www.youtube.com/watch?v=GXtOQXUbPgU%20)A YouTube video with 12 logic puzzles on crime and criminals. Each requires quick thinking and sharp problem-solving skills because you have less than a minute between each. Want more? The YouTube sidebar has them ready or you can visit the authors’ YouTube channel: 7-Second Riddles.

**Soils**

[**https://www.nhn.ou.edu/assets/reu/Soils\_Module.pdf**](https://www.nhn.ou.edu/assets/reu/Soils_Module.pdf)
A 90-page work of art if you ever want to do a unit on the role of soils in environmental forensics. Nicely done.

**Teacher resources – activities, units**

<https://www.academia.edu/28585751/A_FORENSIC_SCIENCE_RESOURCE_BOOK_FOR_TEACHERS> or <https://www.scribd.com/doc/306322271/Whodunit-Teacher-Resource>
An outstanding forensic resource pdf for teachers. It is over 50 pages long and includes reproducibles, forensic skill activities, lessons, and scenarios. New to teaching forensics? Get it! Jaded? You’ll wish you had it years ago. Sign in required to download.

<https://www.nlm.nih.gov/visibleproofs/resources/weblinks.html>
an amazing collection of links for k-12 forensic activities. If you’ve ever doubted the US Government can do anything right this is proof it can.

<https://sites.google.com/view/bsappcom/home>
There’s some well-designed labs on this BSAPP site if you’re looking to flesh out your curriculum, especially if you teach chemistry. Dr. Brennen Sapp

[cdn.makezine.com/make/2011/04/MAKEVol26TruthMeter.pdf](http://cdn.makezine.com/make/2011/04/MAKEVol26TruthMeter.pdf)
Plans for you to make a galvanic skin meter AKA a lie detector. Maybe you won’t catch one of your students in a lie, but you’ll have fun nonetheless.

<http://www.nclark.net/ForensicChem>
A great collection of resources, but be warned: you’re going to get sucked in.

<http://shodor.org/succeed/curriculum/workshops/Forensics/logicPuzzles/intro/>
Though not extensive, there are some interesting activities on this site if you remember to hit the “Next Section” button at the bottom of the screen. You and your students will find a number of challenges here.

<http://www.funtrivia.com/quizzes/sci__tech/forensic_science.html>
If you can connect your computer to a projector for the entire class you’ll have a ball on this site. There are a mess of fun quizzes about forensics here, some answers are from your lessons and other are from the world of trivia.

<http://www.pbs.org/wgbh/nova/education/resources/subj_04_01.html>
The folks at NOVA  have always produced quality work and this website is no exception. Seriously. Make sure to explore the Teacher’s Guides By Subject at the right side of the screen.

<http://www.nlm.nih.gov/visibleproofs/>
The history of forensic medicine, translating views of bodies and their parts as visible proofs to persuade juries. Activities and lesson plans. explore the tabs and links.

<http://www.aplusphysics.com/educators/activities/forensics.html>
This site features three real-world crimes that can be solved with high school physics as well as and an intriguing webquest. A neat real-world application of physics to forensics.

<http://www.ehow.com/how_5641249_write-crime-scene-forensics-report.html>
We know you know all this, but it’s still a good checklist of things students should keep in mind when going over a crime scene, especially if it’s for the first time.

<https://www.pbslearningmedia.org/search/?q=forensic>
A great collection of forensic links compiled by PBS. Nicely done.

<https://sciencespot.net/Pages/classforsci.html#gsc.tab=0>

Forensic science lesson plans from The Science Spot

**TV programs/Movies**

<https://www.nbcnews.com/dateline>
Every episode of Dateline, one of America’s favourite true crime programs. Unfortunately, you still have to sit through commercials. Sign up for Peacock TV, a dateline–only channel

<https://www.youtube.com/results?search_query=forensics+expert+examines+20+crime+scenes>This link reveals dozens of YouTube videos hosted by forensic experts and detectives who debunk CSI techniques from movies and TV, as well as demonstrate proper procedures and explain how to secure and analyze evidence.

[https://www.youtube.com/watch?v=YHTz66Jq0Dg&list=PLibNZv5Zd0dzmgAyav3R8SfXc-64Oly\_k&index=6&t=26s](https://www.youtube.com/watch?v=YHTz66Jq0Dg&list=PLibNZv5Zd0dzmgAyav3R8SfXc-64Oly_k&index=6&t=26s%20)A forensics expert examines 20 crime scene investigations from film & TV (warning: F-bombs)

<http://www.nbcnews.com/news/crime-courts/not-movies-study-kills-myths-about-hit-men-n83126>
An interesting revelation on the whole hit man persona.

Some links needed updating, many no longer worked (and have been deleted). But all originally from <https://theforensicteacher.com/forensic-links/>

Mike Stone