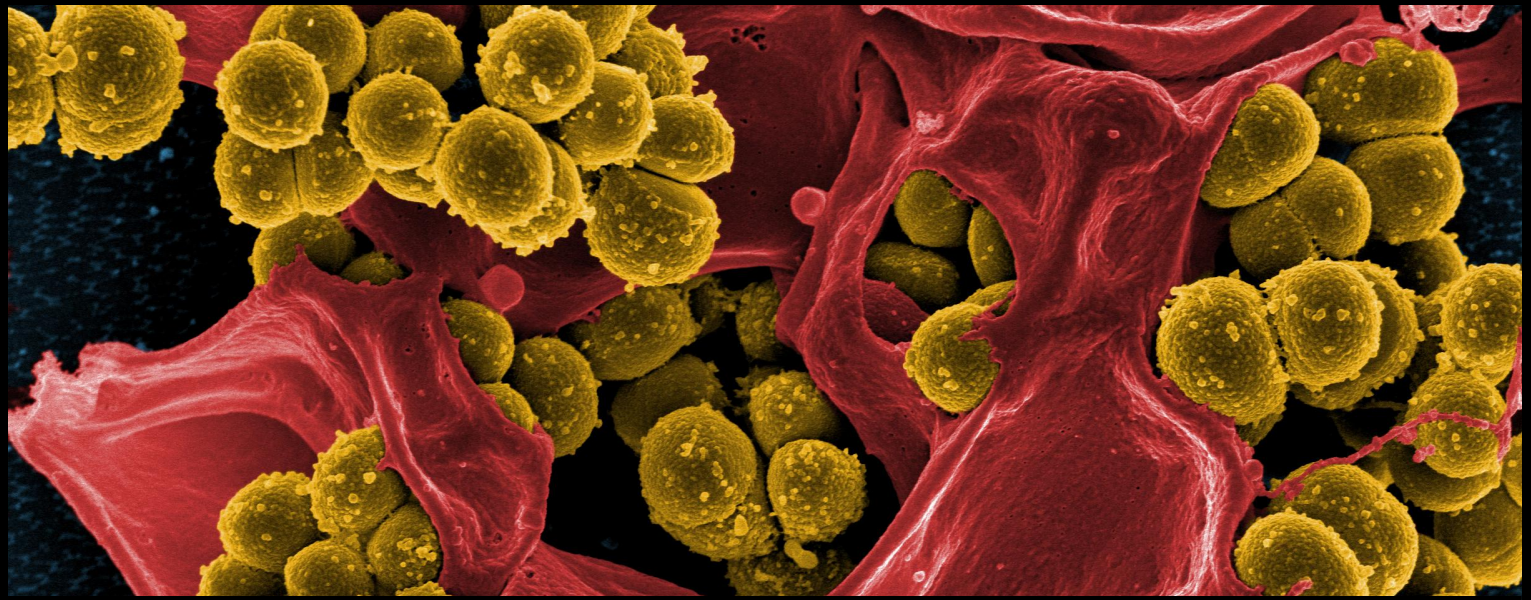
Science Fair Research * IB Biology 1



Miss Ronan & Ms. Toledo * Fall 2017

You can make a difference!

What is scientific research?

Scholarly / Academic Resources

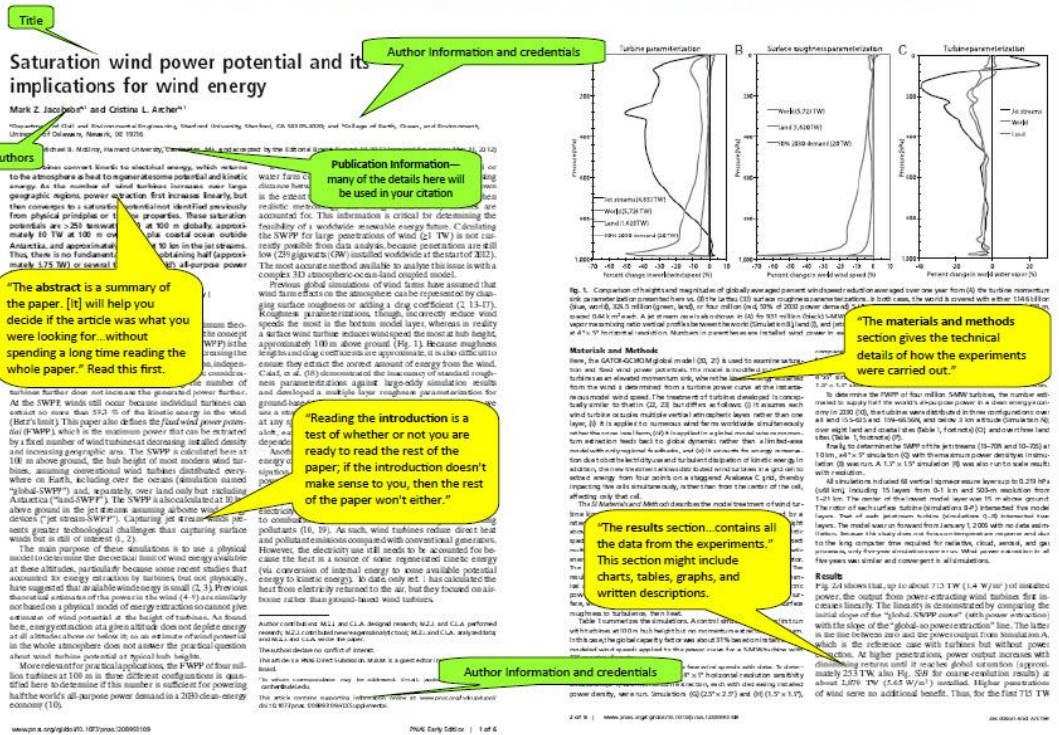
* Written by an expert
* Checked by experts
* Higher level analysis
* Vocabulary used by experts
* Written with the expectation of prior knowledge

Popular Resources

* Usually written by a journalist
* Checked by editors
* Mass readership
* Popular / everyday vocabulary
* Usually no prior knowledge necessary

How do I read scientific research?

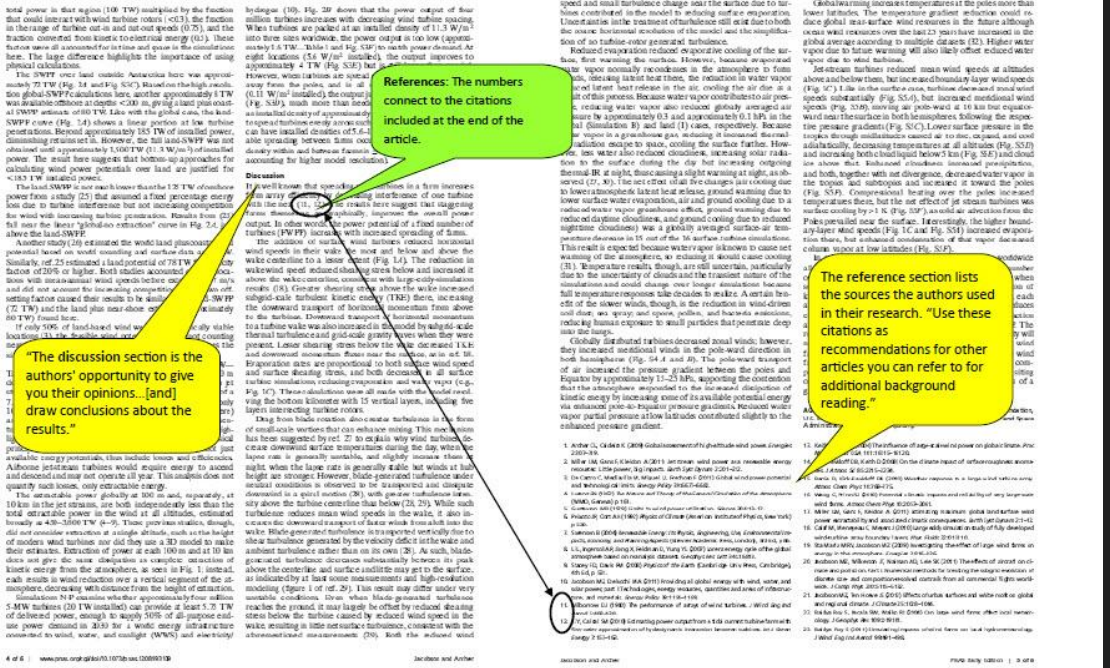
The Structure of a Scientific Article



All quotes are from "How to Read a Scientific Paper." *Science Buddies*. Science Buddies, 2013. Web. 6 Sept. 2013.

How do I read scientific research?

The Structure of a Scientific Article



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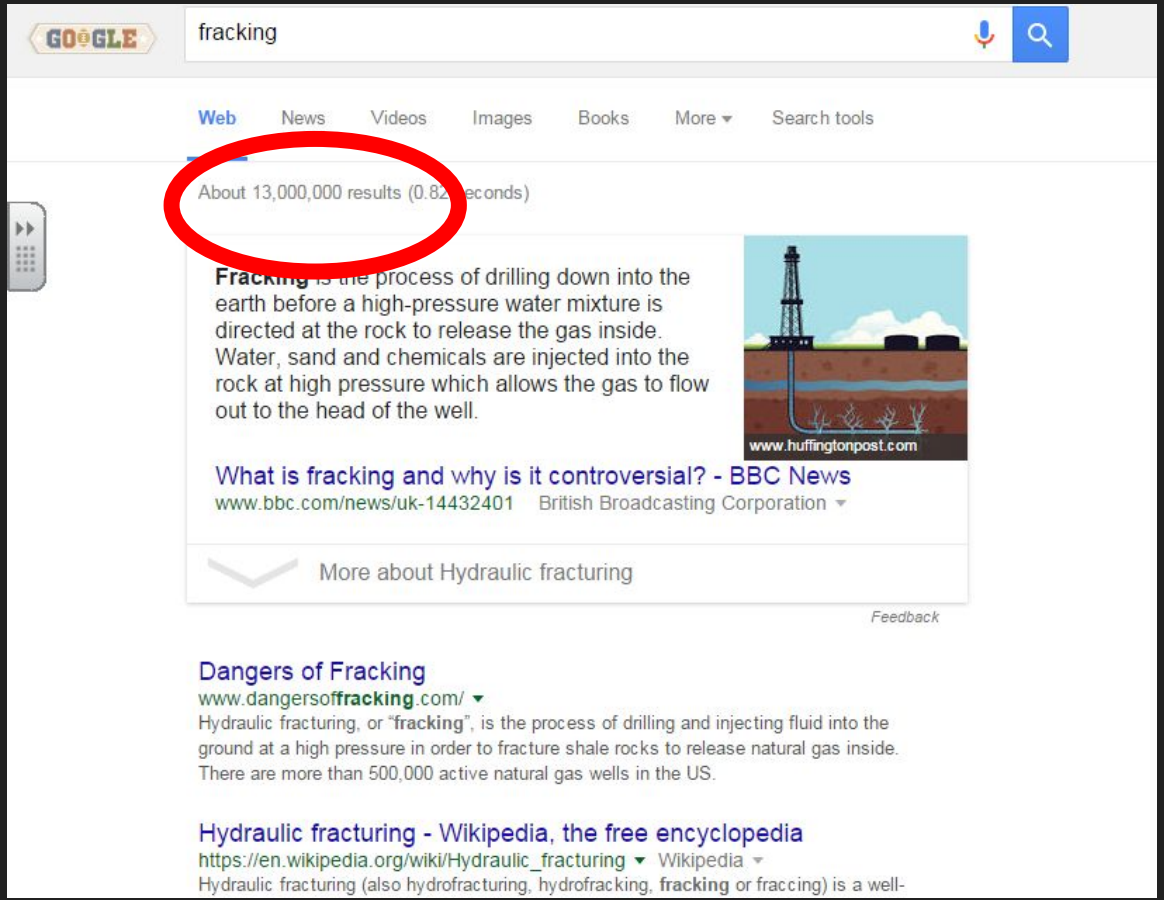

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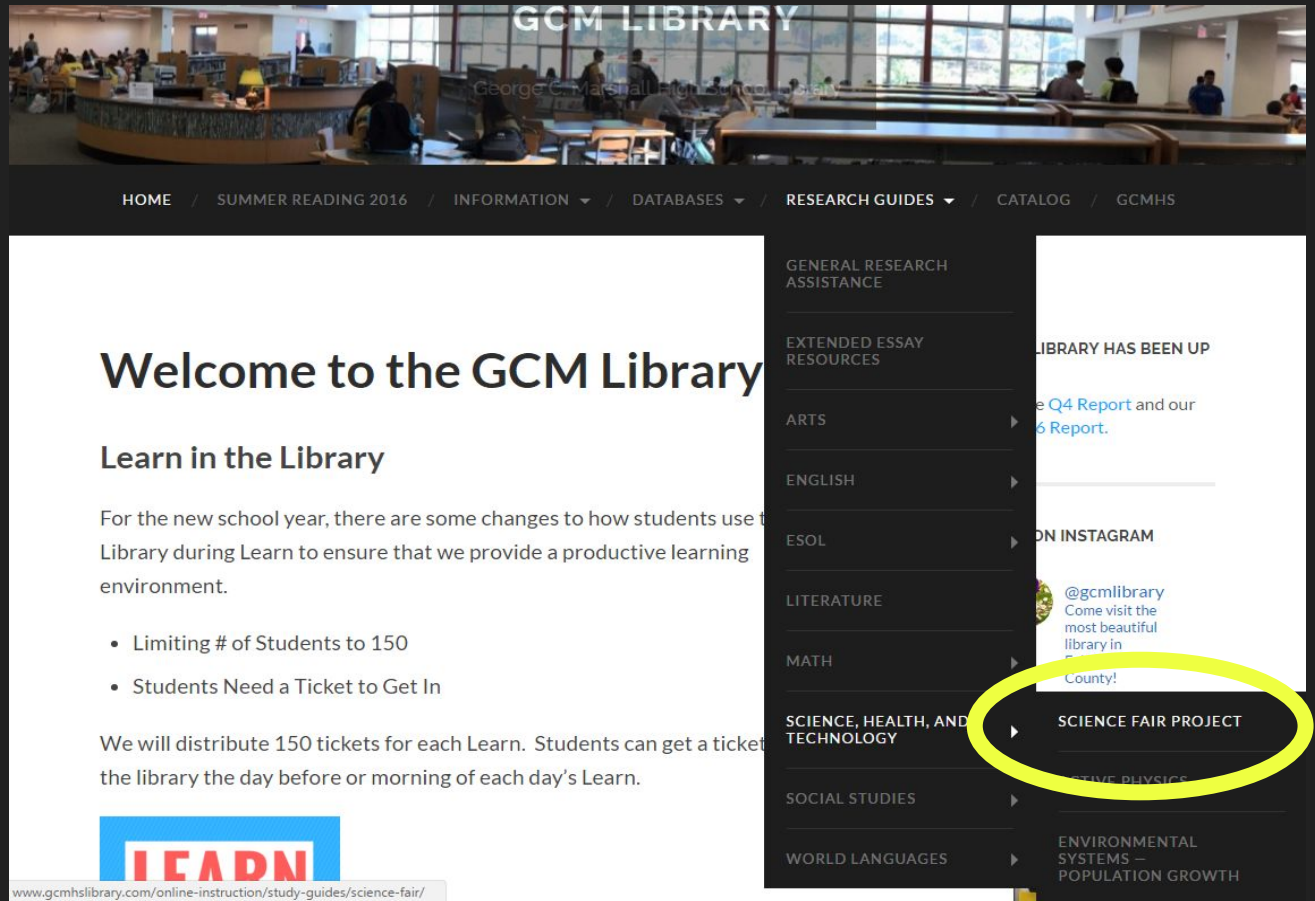

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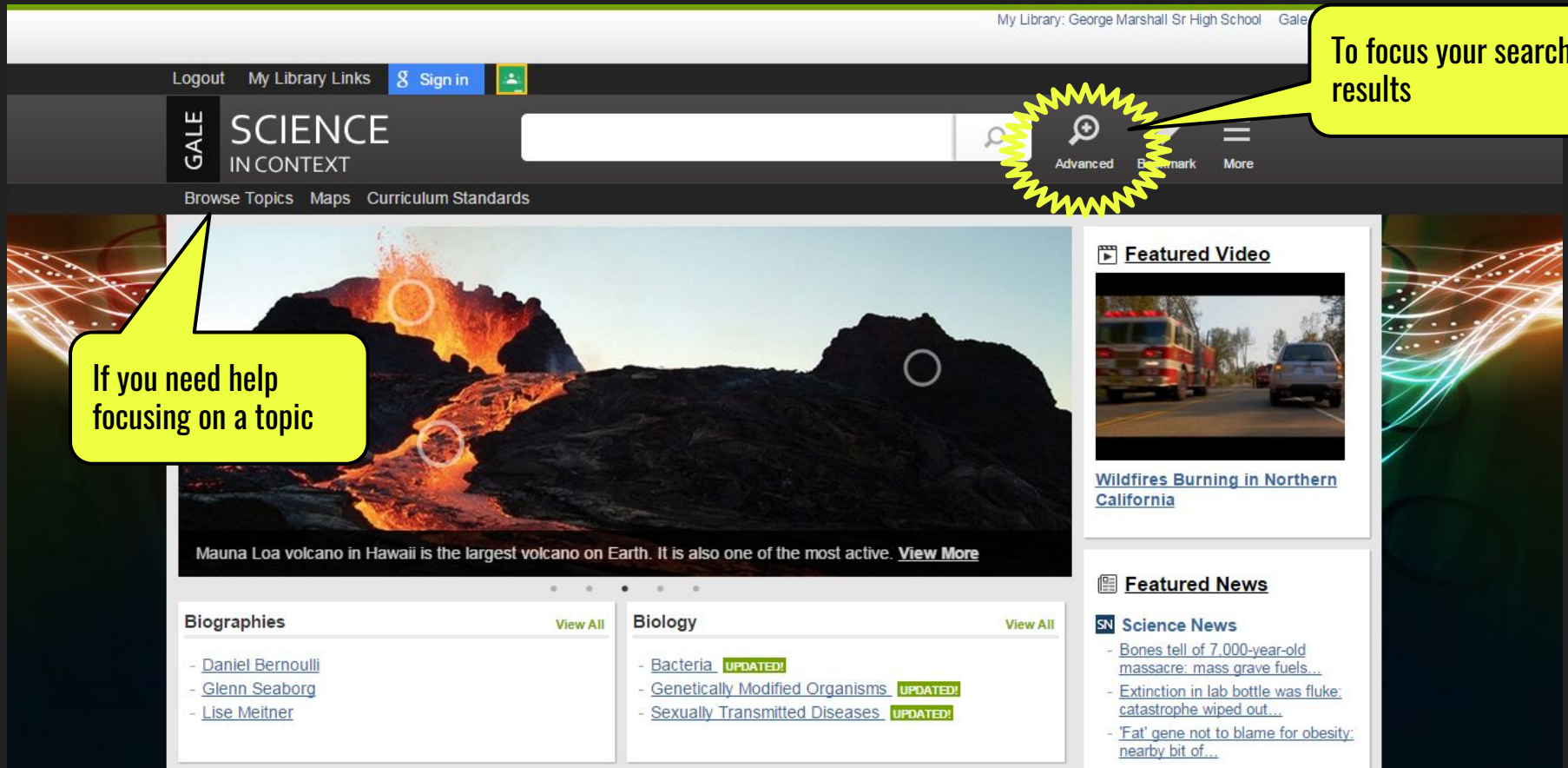

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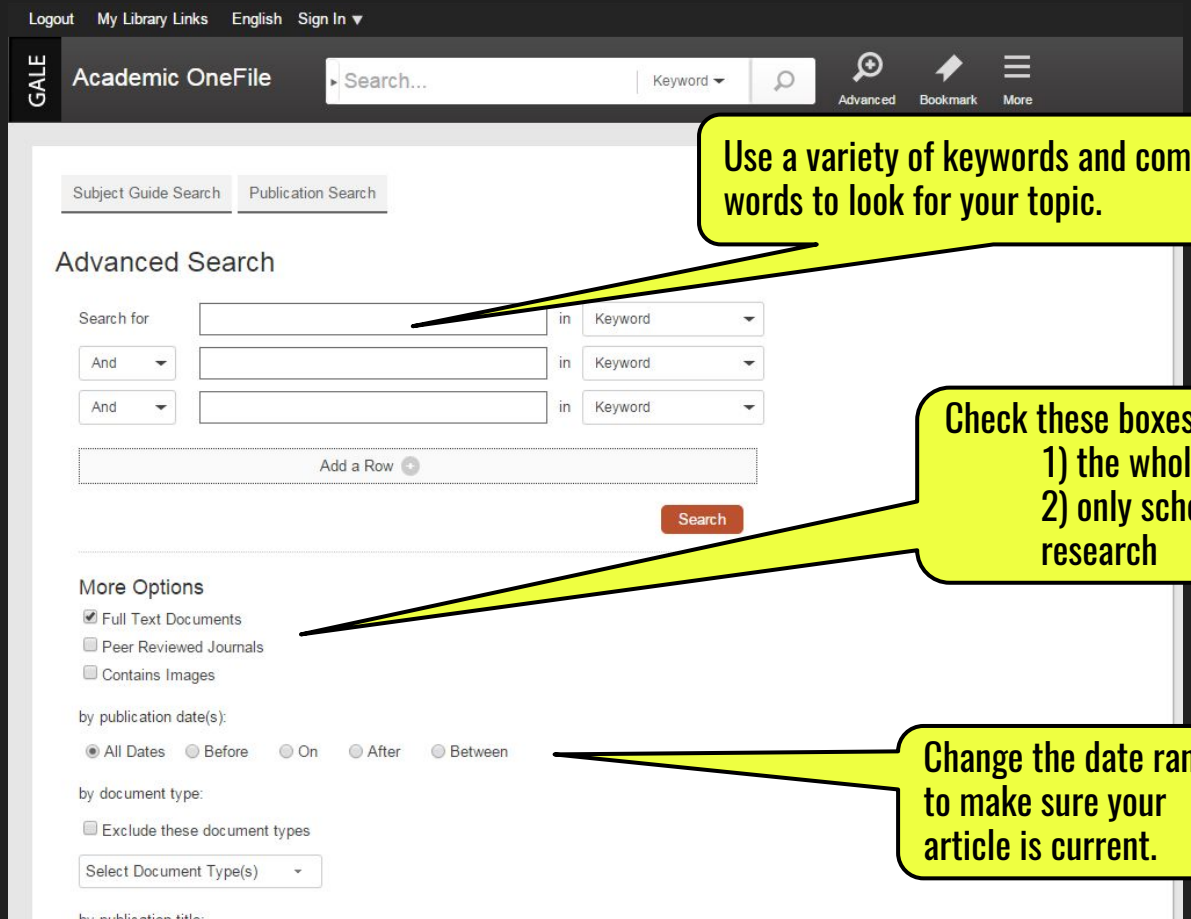

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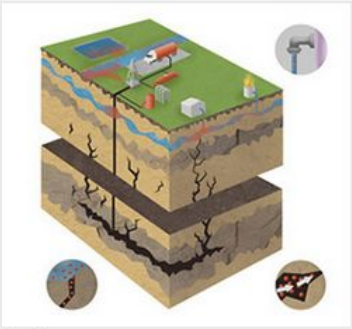
Topic

Hydraulic Fracturing (Fracking) UPDATED!



Fracking

Hydraulic fracturing is a process by which pressurized fluid increases the amount and degree of fractures in subsurface rock layers. Hydraulic fracturing may occur through natural geological processes, which can force petroleum and natural gas into reservoirs within the rock layers, trapping large amounts of petroleum or natural gas. In such cases, induced hydraulic fracturing, also known as hydrofrackin or, colloquially, fracking, may be used to extract petroleum or gas trapped in source rock, such as oil shale, gas shale, coal seams. In fracking, pressurized liquid, known as fracturing fluid, is introduced to source rock through a borehole to induce... View More

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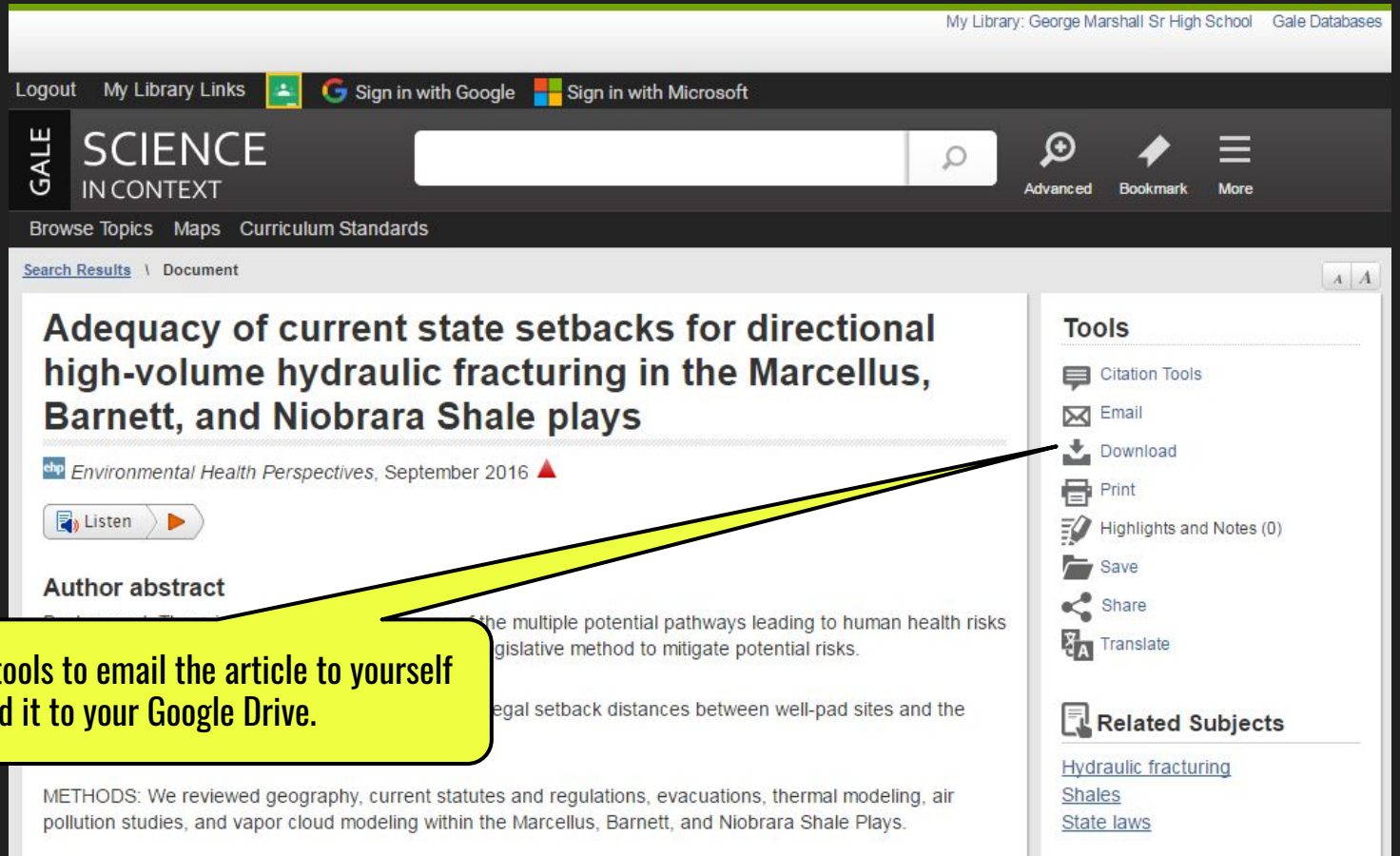

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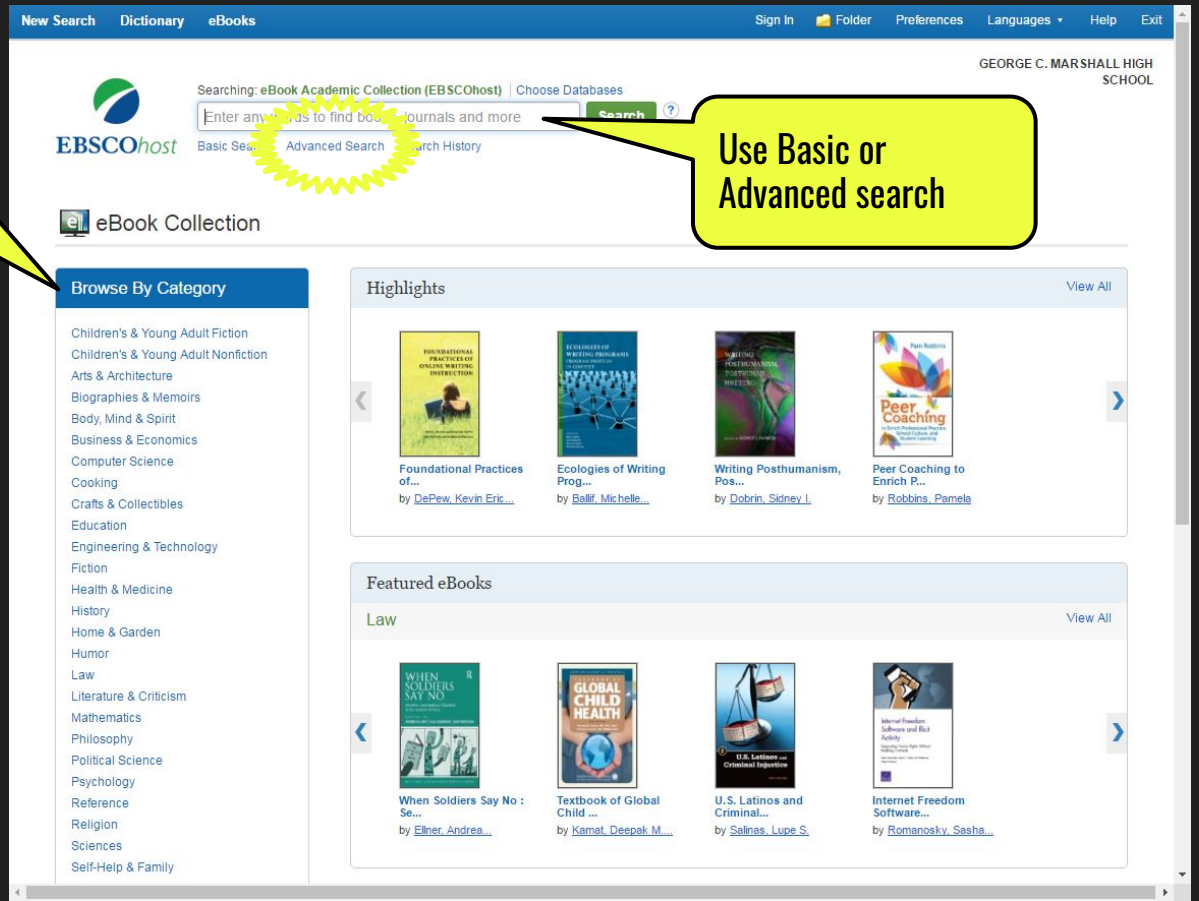

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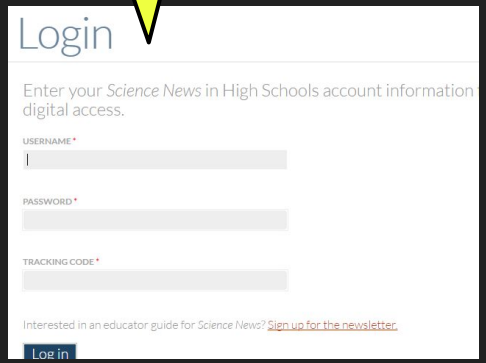

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