



<https://www.virtuallrc.com/>

Have you tried the Virtual LRC, a search engine and web directory with age-appropriate resources for high school and college students?

Here's an example of how it works, with "Literature" as an example.



Type the word "literature" in the custom search box. Two collections are displayed, highlighted in red--American and English Literature. Just click on the one that interests you. You will find a range of age-appropriate resources.



Alternate method: Just click on the Directory Button and then choose Literature.



In addition, when you do your regular search for "Literature," an assortment of carefully selected resources will automatically appear below it on the results page.

### Free Technology for Teachers (by Richard Byrne)

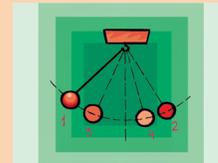
If you are looking for great ideas for integrating technology into your classroom, Richard has it all!

- How to create QR codes to share Google forms  
<https://bit.ly/3eabJaY>
- Recommendations for five screencasting tools including Screencastify, Loom, Flipgrid, Screencast-o-Matic and Vimeo Record.  
<https://bit.ly/37X16HA>
- Three ideas for making stop motion video projects  
<https://bit.ly/3Jlmi6r>



### Welcome!

Welcome to the students and teachers from **Doha, Ad Dawhah Qatar!** We are happy you are using Infotopia.info, VirtualLRC.com, Infotrek.info, and Kidtopia.info for your research needs!



### Virtual Lab Simulations

**Pendulum Lab**—Try this simulation to discover how the period of the pendulum depends on the length of the rope, the mass, the gravity and the amplitude of the swing.

<https://bit.ly/3msy5HM>

**Atom and Ion Builder**—Explore how changing the number of protons, electrons, and neutrons affects the atom and creates new elements.

<https://bit.ly/3e2DO47>

**Forces and Motion**—Experiment with net force, motion, friction, and acceleration in this simulation.

<https://bit.ly/2J8yCjz>

**Diffusion**—Experiment with the number of particles, mass, radius and initial temperature.

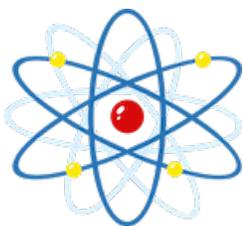
<https://bit.ly/34y1OsF>



<https://phet.colorado.edu/>

For more free educational simulations for science and math, go to Phet Interactive Simulations from the University of Colorado at Boulder. Topics range from Physics to Math to Earth Science and Biology.





### Online and Interactive Periodic Tables

<https://ptable.com/>

Ptable is a complete periodic table with basic facts about each element.

[http://www.chem4kids.com/files/elem\\_intro.html](http://www.chem4kids.com/files/elem_intro.html)

Rader's Chem4Kids offers a lot of information about the periodic table and includes each element's history, where it is found in nature, the atomic number, atomic mass, symbol, electrons, shells, compounds made with each element, and more.

<http://www.chemicalelements.com/>

Chemical Elements.com gives basic information about each element, its atomic structure, isotope, and facts about it.

<https://www.webelements.com/>

Periodic Table from Web Elements which provides information about each element.

<https://bit.ly/3e4p9oU>

Khan Academy has a number of videos explaining the periodic table and practice quizzes.

<https://bit.ly/31OGLAa>

Science Geek has many online HTML5 and downloadable Powerpoint presentations on Chemistry. Included in Unit 2 is a set of presentations on electrons, atoms, periodic tables, element classes, periodic trends, and valance electrons.

<https://www.uky.edu/Projects/Chemcomics/>

For fun, have your students try the Periodic Table of Comic Books, with references to elements in old comic books. It also links to Web Elements. (This one is from 1958.)



Our search engines/web directories include:

<https://www.infotopia.info>

<https://www.kidtopia.info>

<https://www.kidtopiagames.com>

<https://www.infotrek.info>

<https://www.virtualLRC.com>

<https://www.teachertopia.info>

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To subscribe to our newsletters or to contact us, please send an email to:

**bell@infotopia.info**

We appreciate your feedback and we love to hear from you!

**Dr. Michael Bell and Carole Bell**



## Kidtopia

[https://www.kidtopia.info/us\\_states\\_hist.html](https://www.kidtopia.info/us_states_hist.html)

For students in grades K-5, our US States resources include facts, flags, maps, state symbols, history, puzzles, spelling practice, coloring pages, and more for each state. There is also a short video about each state.

Can you guess which state has the following state animal?

- Buffalo?
- Raccoon?
- Badger?
- Moose?
- White-tailed Deer?

Go to this website to find the answers:

<https://statesymbolsusa.org/>

