



Travel to Madison Technical College Online Resources for Biotechnology:

<http://matcmadison.edu/biotech/resources/links.htm>

Included in this site are links for:

- FDA Tutorial
- Forensic Studies
- GeneTests
- Genetic Disorders
- Geospiza
- Human Genome
- Mama Ji's Molecular Kitchen
- Mo Bio Labs
- National DNA Day
- University of Arizona's Biology Project
- Bio-Link.org

More of Diana's Favorite Biotechnology Web Sites for Secondary Educators

[www.jgi.doe.gov/education/posters.html](http://www.jgi.doe.gov/education/posters.html)

(Click on the Education Link to see many cool links)

Also, this site will give you access to a free poster from DOEGI

<http://www.rpc.msos.edu/cbm/>

From Milwaukee School of Engineering/ Center for Biomolecular Modeling

This site allows you to borrow free molecular models; just be sure to check how much the postage back will cost you.

[http://www.sumanasinc.com/webcontent/anisamples/molecularbiology/plasmidcloning\\_fla.html](http://www.sumanasinc.com/webcontent/anisamples/molecularbiology/plasmidcloning_fla.html)

This is one of my favorite sites for recombinant DNA and cloning

If you would like to learn how to use EXCEL, Dr. Sandy Porter has written an on-line tutorial that you can find at <http://www.geospiza.com/outreach/linegraph/index.html>

Wonderful site to learn to graph with Excel:

<http://www.ncsu.edu/labwrite/res/res-homepage.htm>

A nice review of the metric system found:

<http://library.thinkquest.org/10429/low/mathrev/mathbody.htm#scinot>

A listing of national opportunities and many cool links:

<http://www.bio-link.org/intern1.htm>

Some excellent web sites with short activities:

Travel to <http://www.gene.com/gene/pipeline/status/index.jsp>

Pick a Phase I, and Phase II, and Phase III drug. Travel to each specific site. Print one page of each drug, and highlight three facts on that drug that you understand and find interesting.

CODE OF BUSINESS CONDUCT Assignment:

[http://www.monsanto.com/monsanto/layout/our\\_pledge/corp\\_gov/policy.asp#top](http://www.monsanto.com/monsanto/layout/our_pledge/corp_gov/policy.asp#top)

List the four items Monsanto lists as comprising integrity on the job.

Travel to [http://www.ornl.gov/sci/techresources/Human\\_Genome/home.shtml](http://www.ornl.gov/sci/techresources/Human_Genome/home.shtml)

Click on the red icon "About the HGP"

Print the page

Circle the goals listed

Highlight the sentence that uses the term "biotechnology"

Click on "Medical Applications"

Print the page

Highlight the two government agencies that oversee this portion of the project

Underline the two major divisions of genetics playing an increasingly important role in the diagnosis, monitoring, and treatment of diseases

Finally, a neat activity with virtual gels is found at:

<http://arbl.cvmbs.colostate.edu/hbooks/genetics/biotech/gels/virgel.html>

I often tell my students which restriction enzymes to use in each gel and then have them add up the bp to see if the total size of the vector is reflected in the finished gel.