



## Faculty Directed Web Site Activities

Travel to the Dolan DNA Learning Center Home:

[www.dnalc.org/home.html](http://www.dnalc.org/home.html)

Choose the Dynamic Gene icon.

Read the introduction to Dynamic Gene. It describes three sections of an animated tutorial: Meaning, Structure and Evidence.

Click on the Dynamic Gene hyperlink at the bottom of the page.

Choose “Meaning.” Work through the Gene Boy portion.

If you have time, travel into “Structure” through “Annotation.”

This site also has some of the best animations.

<http://www.dnalc.org/ddnalc/resources/animations.html>

Investigate the sites. Specifically travel to Gel Electrophoresis, How *Alu* Jumps and PCR.

Travel to an “Australian Government Initiative---Biotechnology Australia.”

<http://www.biotechnology.gov.au/index.cfm>

Choose Information and Education. Then choose Games. Have your students try Gene Probe Interactive.

Travel to the Case Studies in Science through the State University of New York at Buffalo. It is the National Center for Case Study Teaching in Science.

<http://ublib.buffalo.edu/libraries/projects/cases/ubcase.htm>

Choose Molecular Biology/ Genetics. Choose a case study which will work in your classroom.

Fashion Breakthrough of the Year:

[www.aaas.org/go/geneshirt](http://www.aaas.org/go/geneshirt)

Dolan workshops

[http://www.dnalc.org/ddnalc/teacher\\_training/](http://www.dnalc.org/ddnalc/teacher_training/)

Applied Biosystems and GeneAssist Pathway System

<http://www4.appliedbiosystems.com/tools/pathway/>