

Teaching Tips

If you are interested in teaching others about biotechnology or biomedicine, you may create a concept or technique based demonstration, or an inquiry-based lesson illustrating an application of biotechnology.

Videotaped lessons will be submitted for preview judging and will be available for viewing at the Student Biotech Expo. The presentations may be geared to students or other audiences. Your audience should have at least 5 people in it.

If you decide to modify a lesson that you find elsewhere, be sure that you credit your original source and do not plagiarize any written work.

Multiple Intelligences

Consider developing lessons that address different ways that students learn. Resources include:

http://www.thomasarmstrong.com/multiple_intelligences.htm

http://www.newhorizons.org/strategies/mi/front_mi.htm

<http://www.infed.org/thinkers/gardner.htm>

State Standards

Make sure that your goals align with state standards.

http://www.k12.wa.us/CurriculumInstruct/EALR_GLE.aspx

Science Teaching Resources

<http://www.nabt.org/sup/resources/nabtweb.asp>

National Association of Biology Teachers

Annenberg-PBS Videos on Teaching and Learning

<http://www.learner.org/resources/series28.html#>

'Private Universe', a classic video about science concepts and misconceptions

Requires login, free

<http://www.learner.org/resources/series29.html>

'Private Universe Project' to examine science teaching, lots of videos on teaching science

Requires login, free

<http://www.learner.org/channel/workshops/science/>

The Science of Teaching Science Videos

Sample Lessons in Biotechnology/Biomedicine/Bioethics

<http://www.csun.edu/~vceed002/biology/genetics/genetics.html>

Access Excellence – lesson ideas

<http://gslc.genetics.utah.edu/teachers/>

Genetic Science Learning Center

<http://www.nwabr.org/education/ethicscurriculumtopic.htm>

Bioethics lessons from NWABR teachers