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Resources for Biology Education Graduates

Science Literacy and Science Education

National Research Council National Science Education Standards

(http://www.nap.edu/openbook.php?record_id=4962&page=1)

There are no official "national" science standards, but several groups have argued that there should be consistency among state standards. The NRC's Center for Science, Mathematics, and Engineering Education produced this document in 1996, and it has been reprinted several times. The web site has "related titles" in science education. The NRC is the "operating agency" of the U.S. National Academies of Sciences and Engineering, and the Institute of Medicine.

AAAS Benchmarks for Science Literacy

(<http://www.project2061.org/publications/bsl/online/index.php>)

The American Association for the Advancement of Science first published these benchmarks in 1993, but updated them in 2009 as part of its Project 2061 initiative. This is a companion to the *Science for All Americans* report, both of which aim to establish science literacy goals for grades 2, 5, 8, and 12. AAAS is the leading professional society for practicing scientists in the U.S.

College Board Standards for College Success

(<http://professionals.collegeboard.com/k-12/standards>)

This group prepared a set of science-literacy (and other) standards for college-bound students. The standards cover the entire K-12 spectrum. The science brochure is extremely detailed, and the web site offers other resources for college preparation.

Professional Development

National Association of Biology Teachers

(<http://www.nabt.org/websites/institution/index.php?p=1>)

The NABT is *your* professional society. It publishes *The American Biology Teacher*, a journal for K-16 biology educators. The web site and member services provide a tremendous number of resources for classroom instruction, as well as a forum for discussion of current issues in biology education. The \$74 per year membership/subscription fee is well worth the investment. Join!

American Institute of Biological Sciences (<http://www.aibs.org/home/index.html>)

The AIBS is a professional society for biologists that takes a serious interest in education. Its journal, *BioScience*, specializes in reporting developments in biology in nontechnical language. As a K-12 teacher, you can join the AIBS and receive *BioScience* online for \$45/year (\$80 for the print version). This is an excellent way to stay current in biology.

American Association for the Advancement of Science (<http://www.aaas.org/>)

AAAS publishes *Science* magazine, the most prestigious general-science journal in the world, and is the largest professional science society in the U.S. It is also a lobby group for national science policy, taking a serious interest in education. The website provides numerous resources on science news, policy, and education.