

Review of First Draft of *Standards for Technology Education* Declared a Success

The review of the first draft of the *Standards for Technology Education (Standards)* is being declared a "success" by ITEA and project staff. "The amount of input we received is tremendous," said William Dugger, Jr., director of the project. The draft was reviewed by 222 individuals at hearings conducted across the country. In addition, the draft was posted on the project's home page from November 5-30, 1997. During that time period, the project recorded 2,277 hits to its home page. Of those hits, 653 individuals entered the *Standards* section of the home page to review the draft and/or to provide input. The draft was also mailed to 210 individuals for review and input.

"We are pleased with the amount of constructive feedback we received on the first draft," said Thomas D'Apolito, president of ITEA. "The project staff is

currently compiling and analyzing this data in order to make the necessary revisions and refinements to the draft." The project staff will spend January and February doing just that.

To help with this process, staff members will meet with the Standards Team leaders and recorders on January 16-17 in St. Louis, Missouri and with the Advisory Group on January 26 in Washington, DC. The second draft will be ready for review in early March in time for the spring hearings. It will again be mailed to approximately 200 individuals for review and posted on the project's home page.

After the second round of review in the spring, the third draft of the *Standards* will be field tested in the fall of 1998. The draft will then go through a final period of revision and refinement during the winter of 1998-1999 before being published. The *Standards* will be released at the ITEA Conference in Indianapolis, Indiana on March 28-30, 1999.



Participants review the draft standards at the hearing conducted at the American Vocational Association Convention in Las Vegas, Nevada.

From the Reviewer's View

Reviewers of the first draft of the *Standards for Technology Education* speak out:

"Impressive high standards set for younger grades—well done."

"Learning/teaching styles and multiple intelligences need to be addressed."

"More discussion on failure and it being okay."

CONTINUED, NEXT PAGE

WE STILL NEED YOUR HELP!

The second draft of the *Standards for Technology Education* is tentatively scheduled to be available for electronic review during the month of April 1998. Visit our home page at:

URL: <http://scholar.lib.vt.edu/TAA/TAA.html>

"REVIEWER'S VIEW," FROM PAGE 1

"More emphasis on hands-on."

"Obvious tremendous thought and effort. It is thorough as well as intensive."

"Need example or two of linkages with math and science to demonstrate idea."

"Move focus from design process to systems or processes."

"Attention given to environment is well deserved."

"Doesn't go far enough—should make the systemic nature of design explicit."

"Intent of content standards is not always clear."

"Place problem solving first—the other processes all contribute to problem solving."

"Need to add emphasis to careers."

"At some point, encourage students to focus on the impact of TV upon the individual and society."

"Very comprehensive."



The draft standards are reviewed by participants at the Work Now and in the Future Conference in Portland, Oregon.

Thank You

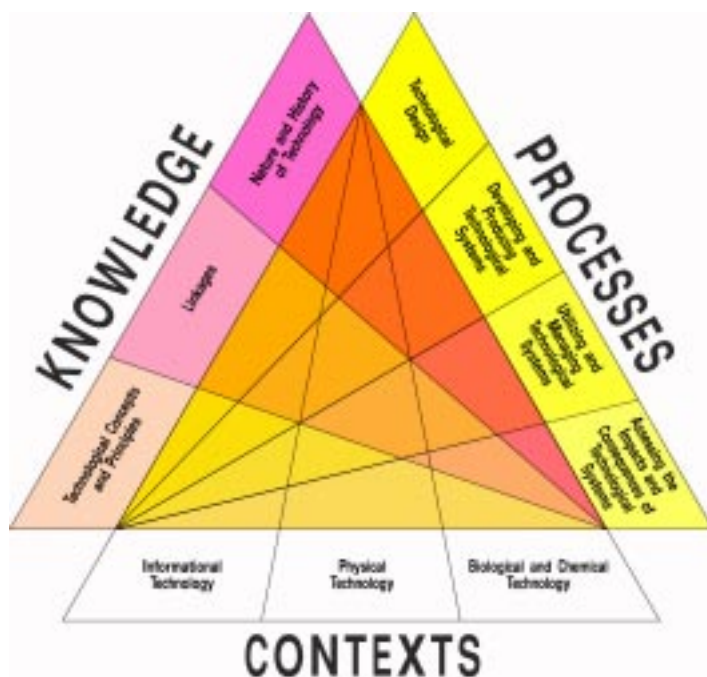
The International Technology Education Association and the Technology for All Americans Project would like to thank everyone who participated in the review of the first draft of the *Standards for Technology Education*. The input we received is invaluable to the development of a viable set of technology content standards for children in the future.

The *Technology for All Americans Project* is a project of the International Technology Education Association (ITEA) and funded by the National Science Foundation (NSF) and the National Aeronautics and Space Administration (NASA). All inquiries should be addressed to:



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The Universals and Dimensions of Technology

With the development of *Technology for All Americans: A Rationale and Structure for the Study of Technology*, three universals of technology were identified: knowledge, processes, and contexts. These universals “are considered significant and timeless” and “constitute the fundamental concepts that allow individuals to learn as conditions change.” (Technology for All Americans Project, 1996, p. 15). The technology content standards are being developed based on the foundation of these universals.

Over the past year during the development of the initial draft of the *Standards for Technology Education*, with input from the Standards Team and Advisory Group, the universals of technology have been refined further. The term “dimensions” has been adopted to describe the concepts under the knowledge and processes universals, which were also refined. Additionally, the contexts universal was expanded to include biological and chemical technology.

The action of learning depicted in the diagram takes place in the center of the triangle where all three universals come into play through interaction.

Reference

Technology for All Americans Project. (1996). *Technology for All Americans: A Rationale and Structure for the Study of Technology*. Reston, Va: International Technology Education Association.

Becoming an Ambassador for Technology Education

Do you frequently find yourself having to explain the terms “technology,” “technology education,” or “technological literacy”? If so, try using a few of the quotes below to help get your message across:

That great, growling engine of change—technology. Alvin Toffler, *Future Shock*, 1970.

Technology shapes society and society shapes technology. Robert W. White, *Environmental Science and Technology*, 1990.

“Thinking” as productive and constructive of objects of knowledge is a technological task. Larry A. Hickman, *John Dewey’s Pragmatic Technology*, 1992.

Technology, when misused, poisons air, soil, water, and lives. But a world without technology would be prey to something worse: the impersonal ruthlessness of the natural order, in which the health of a species depends on relentless sacrifice of the weak. *New York Times*, editorial, 29 August 1986.

We have become a people unable to comprehend the technology we invent. Association of American Colleges, Report, “Integrity in the College Curriculum,” February 1985.

“ ”

Do you have that perfect quote that just says it all? Don’t be greedy; share it with us. Send it to the Editor, *Standpoint*, in care of the Technology for All Americans Project. Please remember to include the citation so we can give credit where credit is due.

Congratulations

to Anthony Gilberti, who was recently elected President-elect of the ITEA Board of Directors. Dr. Gilberti serves as the recorder for grades 9-12 on the Technology for All Americans Project Standards Team.



**INTERNATIONAL
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your name or address.*

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**Technology
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FIELD TESTING

To nominate your school to field test the third and final draft of the *Standards for Technology Education* in the fall of 1998, send a description of your school's current technology education program and a statement outlining why your school should be selected, along with a letter of support from your principal and superintendent, to the Technology for All Americans Project. Nominations should be received by April 30, 1998.

Standards for Technology Education Second Draft **Spring 1998 Standards Hearings**

March 5-7
National Council of Teachers of Mathematics
Regional Conference
Tampa, Florida

March 7-10
International Technology Education Association
Annual Conference
Fort Worth, Texas

March 12-14
California Industrial Technology Education
Association Conference
Pasadena, California

March 26-28*
New York State Technology Education Conference
Bolton Landing, New York

April 2-4
National Council of Teachers of Mathematics
National Conference
Washington, DC

April 3-4 (presentation only)
American Society for Engineering Education
North Central Section Conference
Dearborn, Michigan

April 16-19
National Science Teachers Association
National Convention
Las Vegas, Nevada

April 23
Wisconsin Technology Education Conference
Wisconsin Dells, Wisconsin

April 24-25*
American Society for Engineering Education
New England Section Conference
Amherst, Massachusetts

May 7-8
Technology Educators Association of New
Jersey Conference
Long Branch, New Jersey

*Not confirmed at publication. Please check the project's home page for updates.