

Information Provided by John Judge, January 2005

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The Intel® Teach to the Future Pre-Service Program has been designed to provide hands-on instruction for future teachers about sound methods of using technology as a tool for teaching and learning. At its core, this project is about pedagogy. The pre-service curriculum introduces technology tools and strategies for enhancing learning through research, communication, and productivity tools. Pre-service teachers at participating institutions use this curriculum to plan instructional experiences that use essential questions to support effective instructional design. By working in teams, problem-solving, and participating in peer reviews of their unit portfolios, pre-service teachers gain experience integrating technology into K-12 instructional strategies. All curriculum materials are provided free of charge to participating faculty members for student use.

Tomorrow's teachers learn to:

- Develop technology-rich units with authentic assessments that meet state and national standards
- Use computers to engage K-12 students in constructing deeper levels of understanding
- Develop curriculum-framing questions and learning objectives

Some teacher education programs use the curriculum as the primary text for a course and many use it as a secondary text. Some use the curriculum in one course and quite a few universities use it within several courses. It has been designed for use in any courses that require pre-service teachers to be engaged in planning instruction and assessment for K-12 classrooms.

How it Works

College and university teacher educators attend a four-day, (32-hour) hands-on curriculum review workshop using Intel Teach to the Future materials. They then integrate the modular curriculum into existing college coursework. Pre-service teachers who are students of participating faculty members receive a free curriculum binder and resource CD-ROM containing templates, sample lesson plans and links to Internet resources.

There is no cost for participation. Intel has covered all costs including faculty curriculum manuals, pre-service teacher curriculum texts, and training costs. Universities or faculty members are responsible for the following:

1. Planning which courses would use the Intel Teach to the Future Pre-Service Program curriculum
2. Whatever travel costs are incurred to attend the 4-day curriculum review workshop

3. Using the curriculum (at least in part) with at least 25 pre-service teachers for each faculty member who attends curriculum review workshop

More information is available at www.intel.com/education/teach

Research confirms results

The Educational Development Center (EDC) has been evaluating the effectiveness of the Intel Teach to the Future Pre-Service Program. More than 1,000 Faculty Members have participated in the program with the following results:

- 99% of teacher educators agree or strongly agree that the program is appropriate/relevant to courses they teach
- 97% of teacher educators agree or strongly agree that the program will help their students understand how to integrate technology effectively into their future teaching
- 90% of survey respondents reported that they would recommend the training to a friend or colleague.
- In some cases program participation is catalyzing or supporting larger planning processes focused on redesigning how Pre-Service students are introduced to educational technology.
- Faculty repeatedly explained that this curriculum was helping them guide their Pre-Service students through the process of thinking about technology in the context of curriculum and learning, and would help their department or school move beyond the paradigm of the isolated, stand-alone course about computers and instructional technology
- Faculty members described three types of benefits that they associate with this program:
 - Support for Pre-Service students' learning, particularly access to high-quality resources and an opportunity to familiarize themselves with content-oriented, research-oriented uses of technology;
 - Opportunities for the school or department to strengthen their course offerings and improve the integration of technology across their curriculum; and
 - Support for meeting external requirements for certification and accountability.

For a copy of the EDC evaluation, visit <http://www97.intel.com/education/teach/results.htm>