INFINITY PROJECT

Web Address: http://www.infinity-project.org/index.html

Grade/Age Levels/Target Audience: high school, generally grades 10-12, and college

Overview: The Infinity Project curriculum is a complete, year-long course designed to complement the existing mix of math and science classes. Using the Infinity textbook and the specially designed Technology Kit coupled with a school's computers and lab facilities, students explore engineering through a variety of modern digital technologies. Students innovate, create, design, experiment and learn along the way. Designed for students who have completed Algebra II and at least one science course, the curriculum features more than 350 engineering and technology design projects all structured to help participants think and act like real engineers.

Subjects Covered: Math, science, engineering

Size of Program: NA

Where Offered: Currently supporting schools in these states: Alabama, Missouri, Arizona, New Jersey, California, New Mexico, Colorado, New York, Connecticut, Ohio, Georgia, Texas, Hawaii, Utah, Illinois, Virginia, Iowa, Washington, D.C., Kentucky, West Virginia, Michigan

Time Spent by Students: NA

Partners/Sponsors:

Baylor University
Georgia Institute of Technology
Lamar University
Prairie View A&M University
Rose-Hulman Institute of Technology
Rice University
Santa Clara University
Southern Methodist University
St. Mary's University
Tarleton State University
Texas A&M University
Texas Woman's University
University of Illinois, Urbana-Champaign
University of Michigan
University of Missouri, Rolla
University of Texas at Arlington
University of Texas at Austin
University of Texas at El Paso
University of Texas at San Antonio
University of Texas at Tyler
Institute for Engineering Education
Texas Instruments
Tyco
US Dept. of Education
National Science Foundation
Texas Engineering & Technical Consortium

Format: Infinity is designed to work two ways: it can serve as a stand-alone engineering course or it can be used to augment existing math or science courses, adding in the relevance and excitement of modern engineering to your traditional math and science programs.

Materials Available on Web and/or Purchase: Infinity Technology Kit and textbook

Training – Avail/Required: The instructor's Infinity training regime, the Professional Development Institute, covers the basics of the course material as well as how to use the

Infinity Technology Kit. This training is extremely hands on for the instructors, ensuring they develop a distinct level of both the curriculum and the technology supporting it.

Results to Date: 65 percent of all Infinity graduates plan to pursue engineering in college

Cost structure: $350 for high school level Tech Kit, $750 for college level Tech Kit, $50 for textbook

Funding: NA