



Announcing the availability of the Technology Gateway Curriculum Kit

What is Technology Gateway?

Technicians are an important part of today's workforce. The Technology Gateway provides a portal to success for future technicians.

Technology Gateway is an integrated, problem-based course of study that models the workplace through the use of industrial-type problems and student and faculty teams.

Physics/technology, mathematics, and communications are taught concurrently in the context of solving six workplace-related problems. Career exploration also is a component of the curriculum.

Who should use Technology Gateway?

Technical college students

As a one-semester college course of study, Technology Gateway is designed to prepare students for success in engineering technology or as a core of study for industrial technology or other technology-based majors. Technology Gateway classes also may be of interest to other associate degree students interested in an introduction to technology.

High school students

Technology Gateway may meet a variety of needs at the high school level. Some students may need more skills in mathematics, science, and/or communications to qualify for college-level technology programs. Other students may be interested in the Technology Gateway to get a "taste" of engineering or experience a hands-on environment enabling them to learn teaming and other workplace readiness skills.

In some cases in South Carolina, students may take Technology Gateway courses for dual credit (high school and technical college credit).

Titles of the six projects in the Technology Gateway are:

- Introduction to Technology Careers
- Simple Machines
- Basic Electricity
- Optics
- Temperature Measuring Devices
- Hydraulic Jack

How is the curriculum delivered?

Interdisciplinary teaching teams deliver the Technology Gateway. Teaching team members work together to plan sequenced instruction but are not required to be in the classroom simultaneously.

Training for Technology Gateway teaching teams is available through the SC Advanced Technological Education (SC ATE) Center of Excellence. Training includes teaching methods, faculty/student teamwork, and instruction in how to use the curriculum materials.

In addition to the problem scenarios, the Technology Gateway instructor guide includes:

- Objectives and instructor tips with each project.
- Scope and sequence charts.
- Suggested student workshop activities.
- Content strands.
- Print and non-print resources.
- Assessment rubrics.
- A problem-based learning "Need-to-Know" template.
- Student competencies.
- Equipment and resource lists.



ORDER FORM

The Technology Gateway curriculum kit includes:

- 1 Instructor Guide Master Copy, spiral bound.
- 1 Instructor Guide for a notebook, three-hole drilled.
- Student handouts -- Classroom sets (25 copies) of each project.
- Order form.

Number of Kits	x	Price Per Kit	x	Price
_____		\$150		_____
Shipping (per kit)		\$7.50		_____
Order Total				_____

* Completed order form must be accompanied by purchase order, check, or money order made payable to: SC ATE, Florence-Darlington Technical College (FEIN #57-0424007). Mail to SC ATE Center of Excellence, National Resource Center for Engineering Technology Education, Florence-Darlington Technical College, P.O. Box 100548, Florence, SC 29501-0548. For more information, contact SC ATE at scate@fdtc.edu or 843-676-8559.

Completed Order Form required to fill orders.

Ship-to Name: _____

Title: _____

Phone: _____

Fax: _____

E-mail: _____

Ship-to Organization: _____

Address for UPS delivery (street address, please):



What are the strengths of Technology Gateway?

- Targets recruitment, retention, and graduation of technicians.
- Supports diversity.
- Provides approach and curriculum that have been validated by industry.
- Shows relationships between subjects.
- Provides more opportunities for hands-on, inquiry-based learning.

How do I get started?

- Contact the SC ATE Center of Excellence.
- Designate faculty members in the appropriate disciplines to participate.
- Schedule selected teachers for SC ATE teaching team training.
- Recruit students.

Technology Gateway

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Engineering/Industrial Technology Curriculum Kit