

# **Underlying Principles of Technology: The Impact of Technology on Business and Industry**

## **Notes to the Teacher**

1. Assign students a project for the first semester that will increase their understanding of new technologies and their impact on businesses and/or industries that directly relate to each student's program of study.

Components of the project should include

- collecting and summarizing articles from newspapers, magazines, and trade journals that describe new technologies related to the student's program of study; see attached form, "Summary of New Technologies and Trends"
  - using the Internet to locate information on how new and emerging technologies are impacting the businesses and/or industries related to student's program of study
  - keeping a folder related to this topic, to summarize information, and to make periodic reports to the class.
2. Ask students to complete a report (as a major project) the second semester on the impact of technology on their field of study.

The following items should be included in the report:

- Cover page
- Table of contents
- An overview of new technologies that relate to their field of study
- A description of the impact of new technology on their field of study
  1. Workers' roles and responsibilities
  2. Training for employees
  3. Competition within the industry
  4. Financial impact
- A collection of articles and reports related to the topic
- A bibliography that includes informative Web sites

## **Optional Components**

- A summary of an interview with an expert from the community related to this topic
- A field trip report (as a result of a visit to a local business or industry)
- A report that focuses on the ways that people will have to change to use the technology effectively

See forms "Field Trip Report," "Interview with Expert from the Community," and "Student Summary of New Technologies and Trends."