

HAMILTON TOWNSHIP SCHOOL DISTRICT

Technological Literacy Curriculum

Introduction

Technology skills for students are woven throughout the New Jersey Core Curriculum Content Standards (NJCCCS) for all subjects. The Hamilton Township School District Technological Literacy Curriculum has been re-written to include the areas of each core curriculum where technology is considered to be an integral component. The District's Computer Technology Teachers and the District's Technology Education Teacher in collaboration with the District's Curriculum Office Administration completed this re-write during the 2006-2007 school year.

This revised curriculum is designed to help create cross-curricular lesson plans and units to fulfill the New Jersey Technological Literacy Standards; 8.1 Computer & Information Literacy and 8.2 Technology Education in conjunction with the NJCCCS for various subject areas.

Students must learn to use technology effectively to be prepared to live and work in our complex, information-rich world. It is our intent that technology be integrated throughout all curricula with appropriate grade level technology skills.

Effective implementation of 21st Century educational technology across all curriculum areas occurs when the content area curriculum contains outcomes that can only be met if students use technology as a learning tool.

The classroom elements of an integrated curriculum that lead to student **academic** achievement for each student are as follows:

- A relevant, rigorous and engaging learner-centered environment designed to increase achievement;
- Technologically literate teachers who intentionally use effective research-based instructional strategies and technology infused curriculum lessons as vital components for academic success;
- Instructional content with real-world applications that support higher-order thinking skills such as gathering and organizing of appropriate information, evaluating, problem-solving, and decision-making;
- Students work as contributing team members and develop communication skills; and
- Stakeholders within the community support the vision.

The *Technological Literacy Progress Indicators Matrix* that follows, provides a snapshot of the instruction that will be provided to the students in kindergarten through grade 8 relative to the two New Jersey Technological Literacy Standards; 8.1 Computer & Information Literacy and 8.2 Technology Education. The key for the letters used throughout the matrix can be found in the upper right hand corner of the matrix.