

Vineland Board of Education
Technology Plan
July 1, 2007 through June 30, 2010

IV. B. Goals and Objectives for 2007-2010

IV.B.1. New goals have been developed that include the infusion of technology into all curricula areas

IV.B. 2 & 3. Goals & Objectives

Goal 1 – ALL STUDENTS WILL USE COMPUTER APPLICATIONS TO GATHER AND ORGANIZE INFORMATION AND TO SOLVE PROBLEMS.

Descriptive Statement: Using computer applications and technology tools students will conduct research, solve problems, improve learning, achieve goals, and produce products and presentations in conjunction with standards in all content areas, including career education and consumer family, and life skills. They will also develop, locate, summarize, organize, synthesize, and evaluate information for lifelong learning.

Objective 1.1 Basic Computer Skills and Tools

Using a variety of available resources, students will improve in technology literacy and proficiency.

Objective 1.2 Application of Productivity Tools – Social Aspects

Students will understand and model proper, positive, and ethical use of technology in both social and personal contexts.

Objective 1.3 Application of Productivity Tools – Information Access and Research

Students will use technology effectively to access, evaluate, process and synthesize information from a variety of sources.

Objective 1.4 Application of Productivity Tools – Problem Solving and Decision Making

Students will use technology to identify and solve problems in real-world contexts by engaging in project-based learning activities.

Goal 2 - ALL STUDENTS WILL DEVELOP AN UNDERSTANDING OF THE NATURE AND IMPACT OF TECHNOLOGY, ENGINEERING, TECHNOLOGICAL DESIGN, AND THE DESIGNED WORLD AS THEY RELATE TO THE INDIVIDUAL, SOCIETY, AND THE ENVIRONMENT.

Descriptive Statement: The following indicators are based on the Standards for Technological Literacy (STL, 2000) and support the National Academy of Engineering's (2002) call for students to gain technological literacy. Students will be expected to understand the various facets of technology and the design process. They will analyze and evaluate design options and then apply the design process to solve problems. A systems perspective is employed to emphasize the interconnectedness of all knowledge and the impact of technology and technological change. Students will be expected to use technology as it applies to physical systems, biological systems, and information and communication systems. The intent at the elementary and middle school levels is that all students develop technological literacy and are prepared for the option of further study in the field of technology education. At the elementary level, the foundation for technology education is found in the science standards, particularly standards 5.2 and 5.4.

Objective 2.1 Nature and Impact of Technology

Students will demonstrate an understanding of the nature of technology systems, and their impact on culture, history, science, and the way we live.

Objective 2.2 Design Process and Impact Assessment

Students will understand the use, application, and impact of design processes on technological products, systems, or environments.

Objective 2.3 Systems in the Design World

Students will demonstrate an understanding of technology products, systems, and environments of various kinds.