

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

V. Three-Year Implementation Activity Table

A. In order to prepare students for an increasingly technological world, the Vineland Public Schools believe that all students should learn to access technology to gather, evaluate, process, and represent information in meaningful ways. We view technology as a critical tool for improving academic achievement for all students, to prepare them for what the future may bring and to encourage them to engage in lifelong learning. As such, the integration of technology into curriculum and instruction to improve student achievement is addressed in the Vineland Public Schools technology plan.

Three-Year Technology Implementation Activity Table				
District Goal and Objective	Strategy/Activity	Time-line	Person Responsible	Documentation
<p>Goal 1 All students will use computer applications to gather and organize information and to solve problems.</p>	<p>1.1 Basic Computer Skills and Tools By 5th grade, students will:</p> <ol style="list-style-type: none"> 1. Use basic technology vocabulary. 2. Use basic features of an operating system (e.g., accessing programs, identifying and selecting a printer, finding help). 3. Input and access text and data, using appropriate keyboarding techniques or other input devices. 4. Produce a simple finished document using word processing software. 5. Produce and interpret a simple graph or chart by entering and editing data on a prepared spreadsheet template. 6. Create and present a multimedia presentation using appropriate software. 7. Create and maintain files and folders. 	<p>2007-2010</p>	<p>Principals Supervisor Teachers</p>	<p>Performance Assessments, Teacher Observation, Projects, Software generated assessments</p>

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	<p>1.2 Application of Prod Tools – Social Aspects By 5th grade, students will:</p> <ol style="list-style-type: none"> 1. Discuss the common uses of computer applications and identify their advantages and disadvantages. 2. Recognize and practice responsible social and ethical behaviors when using technology, and understand the consequences of inappropriate use including: <ul style="list-style-type: none"> • Internet access • Copyrighted materials • On-line library resources • Personal security and safety issues 3. Practice appropriate Internet etiquette. 4. Recognize the ethical and legal implications of plagiarism of copyrighted materials. 	2007-2010	Principals Supervisor Teachers	
	<ol style="list-style-type: none"> 5. Identify the need for accessing and using information. 6. Identify and use web browsers, search engines, and directories to obtain information to solve real world problems. 7. Locate specific information by searching a database. 8. Recognize accuracy and/or bias of information. 			
	<ol style="list-style-type: none"> 9. Solve problems individually and/or collaboratively using computer applications. 10. Identify basic hardware problems and solve simple problems. 			
Goal 2	<p>2.1 Nature and Impact of Technology By 8th grade, students will</p> <ol style="list-style-type: none"> 1. Describe the nature of technology 	2007-2010	Principals Supervisor Teachers	Performance Assessments, Teacher Observation,

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	<p>and the consequences of technological activity.</p> <ol style="list-style-type: none"> 2. Describe how components of a technological product, system, or environment interact. 3. Describe how one technological innovation can be applied to solve another human problem that enhances human life or extends human capability. 4. Describe how technological activity has an affect on economic development, political actions, and cultural change. 5. Explain the cultural and societal effects resulting from the dramatic increases of knowledge and information available today. <p>2.2 Design Process and Impact Assessment By 8th grade, students will</p> <ol style="list-style-type: none"> 1. Demonstrate and explain how the design process is not linear. 2. Use hands on activities to analyze products and systems to determine how the design process was applied to create the solution. 3. Identify a technological problem and use the design process to create an appropriate solution. 4. Describe how variations in resources can affect solutions to a technological problem. 5. Select and safely use appropriate tools and materials in analyzing, designing, modeling or making a technological product, system or environment. 			Projects, Software generated assessments
	<p>2.3 Whatever you do to support Systems in the Design World (these are 8th grade, as examples):</p>			

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	<ol style="list-style-type: none"><li data-bbox="362 382 862 579">1. Explain technological advances in medical, agricultural, energy and power, information and communication, transportation, manufacturing, and construction technologies.<li data-bbox="362 583 862 781">2. Explain reasons why human-designed systems, products, and environments need to be monitored, maintained, and improved to ensure safety, quality, cost efficiency, and sustainability.<li data-bbox="362 785 862 982">3. Explain the functions and interdependence of subsystems such as waste disposal, water purification, electrical, structural, safety, climatic control, and communication.			