

VBCPS Computer/Technology Proficiencies 2006-2007

As part of the Computer Resource Program coordination for the Department of Technology, the Virginia Beach (VB) Technology Proficiencies for grades K-12 are to be reviewed, revised, realigned, and updated biannually. A VB Technology Proficiencies Revision and Realignment Committee consisting of elementary, middle, and high school computer resource specialists (CRSs) who reviewed and realigned the current VB Technology Proficiencies. The committee compressed and streamlined the current proficiencies according to the newly revised Computer Technology Standards of Learning (SOL) for Virginia's Public Schools that were released in June 2005. This allows for increased creativity and enhancement when correlating to the curricular objectives for Virginia Beach Public Schools.

The VB Technology Proficiencies remain divided by individual grade levels for grades K-5; however, the proficiencies are now clustered for grades 6-8 and 9-12. Draft copies of the revised VB Technology Proficiencies were sent to CRSs for comments. The VB Technology Proficiencies continue to align and reflect the national ISTE standards.

The VB Technology Proficiencies should be used in conjunction with the goals and objectives of the Educational Technology Team. They serve as a collaborative tool and guidelines for computer resource specialists during planning sessions with teachers. Since the emphasis is technology integration across all curricular areas, teachers should provide the curricular objectives. Hence, the VB Technology Proficiencies do not include direct correlations to the Virginia Beach Public Schools' curricular objectives (VBOs). CRSs should ensure that the technology proficiencies are being integrated with the VBOs while continuing to provide multiple opportunities for students to become successful life-long learners.

Again, the VB Technology Proficiencies are designed to be guidelines for computer resource specialists when collaborating and planning with teachers and the major goal is the integration of technology into the Virginia Beach Public Schools' curricular objectives.

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VA DOE Computer Technology SOL	VB Technology Proficiencies Ninth-Twelfth Grade
Basic Operations and Concepts	Basic Operations and Concepts
C/T 9-12.1 – C/T 9-12.2	
The student will:	The student will:
<ul style="list-style-type: none"> • demonstrate knowledge of the nature and operation of technology systems. • demonstrate proficiency in the use of technology. 	<p>VBTP 9.1-12.1 Select and use appropriate electronic resources to access and save information while participating in directed and independent learning activities.</p> <p>VBTP 9.2-12.2 Analyze and solve routine hardware and software problems.</p> <p>VBTP 9.3-12.3 Develop an understanding of telecommunications networks and broadcast applications.</p> <p>VBTP 9.4-12.4 Communicate information relative to current and emerging technologies using accurate terminology.</p>
Social and Ethical Issues	Social and Ethical Issues
C/T 9-12.3 – C/T 9-12.5	
The student will:	The student will:
<ul style="list-style-type: none"> • demonstrate knowledge of ethical, cultural, and societal issues related to technology. • practice responsible use of technology systems, information, and software. • Demonstrate knowledge of technologies that support collaboration, personal pursuits, and productivity. 	<p>VBTP 9.5-12.5 Evaluate authenticity, accuracy, reliability, and bias of information retrieved from electronic sources and cite electronic sources appropriately in bibliographic form.</p> <p>VBTP 9.6-12.6 Demonstrate and model responsible personal safety, legal, and ethical use of technology systems and software.</p> <p>VBTP 9.7-12.7 Respectfully collaborate with peers, experts, and others to contribute to an electronic community of learning.</p> <p>VBTP 9.8-12.8 Identify career opportunities associated</p>

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	with information technology.
Technology Research Tools	Technology Research Tools
C/T 9-12.6 – C/T 9-12.7	
The student will:	The student will:
<ul style="list-style-type: none"> • use technology to locate, evaluate, and collect information from a variety of sources. • evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks. 	<p>VBTP 9.9-12.9 Produce a research paper and documents for specific purposes integrating spreadsheets, databases and their components such as electronic graphic organizers and multimedia presentations.</p> <p>VBTP 9.10-12.10 Evaluate authenticity, accuracy, reliability, and bias of information retrieved from electronic sources and use refined search strategies.</p> <p>VBTP 9.11-12.11 Obtain information from a database.</p> <p>VBTP 9.12-12.12 Create and display spreadsheet data.</p> <p>VBTP 9.13-12.13 Use specific-purpose electronic devices in appropriate content areas.</p>
Problem-solving and Decision-making Tools	Problem-solving and Decision-making Tools
C/T 9-12.8	
The student will:	The student will:
<ul style="list-style-type: none"> • use technology resources for solving problems and making informed decisions. 	<p>VBTP 9.14-12.14 Use technology resources such as educational software and tools, simulations, and models for independent and collaborative problem-solving activities and learning strategies.</p> <p>VBTP 9.15-12.15 Produce and disseminate information in a multimedia format.</p>
Technology Communication Tools	Technology Communication Tools
C/T 9-12.9	
The student will:	The student will:
<ul style="list-style-type: none"> • use a variety of media and formats to communicate information and ideas effectively to multiple audiences. 	<p>VBTP 9.16-12.16 Produce an electronic multimedia presentation using a variety of media</p>

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	and formats for a specific audience.
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