

## **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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<b>VA DOE Computer Technology SOL</b>	<b>VB Technology Proficiencies Fifth Grade</b>
<b>Basic Operations and Concepts</b>	<b>Basic Operations and Concepts</b>
<b>C/T 3-5.1 – C/T 3-5.2</b>	
The student will:	The student will:
<ul style="list-style-type: none"> <li>• demonstrate knowledge of the nature and operation of technology systems.</li> <li>• demonstrate proficiency in the use of technology.</li> </ul>	<p><b>VBTP 5.1</b> Explain common uses of computers in daily life and the advantages and disadvantages of each.</p> <p><b>VBTP 5.2</b> Use and explain developmentally appropriate software applications such as database, word processing, spreadsheet, multimedia presentation and graphics.</p> <p><b>VBTP 5.3</b> Use developmentally appropriate and accurate terminology.</p> <p><b>VBTP 5.4</b> Demonstrate proficiency with developmentally appropriate technology such as scanners, digital cameras, AlphaSmarts, laptops, hand-held computers, etc.</p>
<b>Social and Ethical Issues</b>	<b>Social and Ethical Issues</b>
<b>C/T 3-5.3 – C/T 3-5.5</b>	
The student will:	The student will:
<ul style="list-style-type: none"> <li>• demonstrate knowledge of ethical, cultural, and societal issues related to technology.</li> <li>• practice responsible use of technology systems, information, and software.</li> <li>• demonstrate knowledge of technologies that support collaboration, personal pursuits, and productivity.</li> </ul>	<p><b>VBTP 5.5</b> Demonstrate the responsible and ethical behavior associated with the use of technology systems and software.</p> <p><b>VBTP 5.6</b> Recognize, discuss, and demonstrate responsible online safety.</p> <p><b>VBTP 5.7</b> Understand and apply basic copyright law as related to electronic resources.</p> <p><b>VBTP 5.8</b> Understand and demonstrate ethical behavior when using technology and discuss consequences of misuse as it relates to the school division's AUP.</p>

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	<p><b>VBTP 5.9</b> Use computers as a collaborative tool via online messaging, videoconferencing, web logs, etc.</p> <p><b>VBTP 5.10</b> Explain how technology has changed society in areas such as communications, transportation, and economics.</p>
<b>Technology Research Tools</b>	<b>Technology Research Tools</b>
<b>C/T 3-5.6</b>	
The student will:	The student will:
<ul style="list-style-type: none"> <li>use technology to locate, evaluate, and collect information from a variety of sources.</li> </ul>	<p><b>VBTP 5.11</b> Use appropriate electronic resources to access information such as online resources, electronic encyclopedias, electronic dictionaries, and topic specific software.</p> <p><b>VBTP 5.12</b> Refine an electronic information search using appropriate search strategies.</p> <p><b>VBTP 5.13</b> Evaluate the accuracy and appropriateness of electronic information sources.</p> <p><b>VBTP 5.14</b> Enter data and report information using a simple database.</p> <p><b>VBTP 5.15</b> Create and use a simple spreadsheet to communicate information.</p>
<b>Problem-solving and Decision-making Tools</b>	<b>Problem-solving and Decision-making Tools</b>
<b>C/T 3-5.7</b>	
The student will:	The student will:
<ul style="list-style-type: none"> <li>use technology resources for solving problems and making informed decisions.</li> </ul>	<p><b>VBTP 5.16</b> Select and use appropriate electronic resources to solve problems and make informed decisions such as the online catalog, electronic encyclopedias, electronic dictionaries, topic specific software, and Internet.</p> <p><b>VBTP 5.17</b> Select appropriate</p>

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	applications to accomplish an assigned task.
<b>Technology Communication Tools</b>	<b>Technology Communication Tools</b>
<b>C/T 3-5.8</b>	
The student will:	The student will:
<ul style="list-style-type: none"> <li>use a variety of media and formats to communicate information and ideas effectively to multiple audiences.</li> </ul>	<p><b>VBTP 5.18</b> Plan and create developmentally appropriate multimedia products including text, graphics, sounds, video, digital photos, and transitions.</p> <p><b>VBTP 5.19</b> Use electronic means to communicate outside of school or classroom.</p> <p><b>VBTP 5.20</b> Write, revise, edit and print a composition.</p> <p><b>VBTP 5.21</b> Produce a specialty page with text and graphics.</p> <p><b>VBTP 5.22</b> Create an electronic graphic organizer such as a fishbone diagram, story web, Venn diagram, cause and effect chart, etc.</p> <p><b>VBTP 5.23</b> Use technology resources for independent and directed learning activities.</p>