



# New Hampshire ICT Literacy Standards for K-12 Students

Ed 306.42 Information and Communication Technologies Program.

(a) The local school board shall require an **integrated approach** to the use of 21<sup>st</sup> century tools, including, but not limited to digital technology and communication tools, within all curriculum areas through the adoption of an information and communication technologies literacy (ICT) program in grades K - 12 that provides opportunities at developmentally appropriate levels for students to:

<p>1</p> <p>Develop knowledge of ethical, responsible use of technology tools in a society that relies heavily on knowledge of information in its decision-making.</p>	<p>4 . . . <b>TECH FOUNDATIONS</b></p> <p>Use 21<sup>st</sup> century tools to develop technical proficiency at a foundational knowledge level in:</p> <ul style="list-style-type: none"> <li>a. Hardware;</li> <li>b. Software applications;</li> <li>c. Networks; and</li> <li>d. Elements of digital technology;</li> </ul>
<p>2 . . . <b>USE WITH CORE SUBJECTS</b></p> <p>Become proficient in the use of 21<sup>st</sup> century tools to access, manage, integrate, evaluate, and create information within the context of the core subjects of:</p> <ul style="list-style-type: none"> <li>a. Reading;</li> <li>b. Mathematics;</li> <li>c. English and language arts;</li> <li>d. Science;</li> <li>e. Social studies, including civics, government, economics, history, and geography;</li> <li>f. Arts; and</li> <li>g. World languages;</li> </ul>	<p>5 . . . <b>DIGITAL PORTFOLIOS</b></p> <p>Create digital portfolios which:</p> <ul style="list-style-type: none"> <li>a. Address the following components: <ul style="list-style-type: none"> <li>1. Basic operations and concepts;</li> <li>2. Social, ethical, and human issues;</li> <li>3. Technology productivity tools;</li> <li>4. Technology communications tools;</li> <li>5. Technology research tools; and</li> <li>6. Technology problem solving and decision-making tools;</li> </ul> </li> <li>b. Represent proficient, ethical, responsible use of 21<sup>st</sup> century tools within the context of the core subjects; and</li> <li>c. Include, at a minimum, such digital artifacts as: <ul style="list-style-type: none"> <li>1. Standardized tests;</li> <li>2. Observation;</li> <li>3. Student work; and</li> <li>4. Comments describing a student's reflection on his/her work.</li> </ul> </li> </ul>
<p>3 . . . <b>COGNITIVE PROFICIENCY</b></p> <p>Use 21<sup>st</sup> century tools to develop cognitive proficiency in:</p> <ul style="list-style-type: none"> <li>a. Literacy;</li> <li>b. Numeracy;</li> <li>c. Problem solving;</li> <li>e. Decision making; and</li> <li>f. Spatial / visual literacy;</li> </ul>	

(b) The local school board shall provide opportunities for students to **demonstrate ICT competency by the end of 8th grade using assessment rubrics applied to the contents of digital portfolios** as required in (a)(5) above. Students who successfully demonstrate knowledge, skill, and understanding of these competencies shall have the opportunity, as high school students, to take a higher level computer course to meet the ½ credit requirement.

(c) The local school board shall provide opportunities for students to **complete a ½ credit ICT course** prior to high school graduation, including, but not limited to:

- (1) Use of common productivity and web based software;
- (2) Use of a variety of multimedia software and equipment;
- (3) Configuring computers and basic network configurations; and
- (4) Applying programming concepts used in software development.

View the full set of standards at: <http://www.gencourt.state.nh.us/rules/ed300.html>