




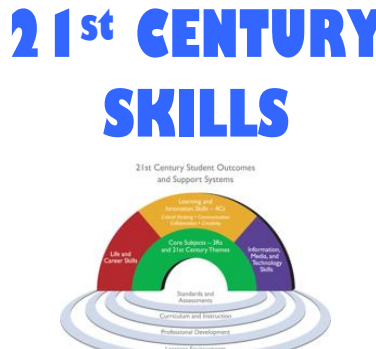


<p><a href="http://www.nextgenscience.org/">www.nextgenscience.org/</a></p> 	<p><a href="http://www.k12.wa.us/CoreStandards/">www.k12.wa.us/CoreStandards/</a></p>  		<p><a href="http://www.k12cs.org/framework-statements-by-grade-band//">www.k12cs.org/framework-statements-by-grade-band//</a></p>  <p>K-12 Computer Science Framework</p>	<p><a href="http://www.careertech.org/career-technical-education/cctc/info.html">www.careertech.org/career-technical-education/cctc/info.html</a></p>  <p>CCTC Common Career Technical Core</p>	<p><a href="http://www.p21.org/overview/skills-framework">www.p21.org/overview/skills-framework</a></p> 
<p><b>Science and Engineering Practices</b></p> <p><b>S1.</b> Asking questions (for science) and defining problems (for engineering)</p> <p><b>S2.</b> Developing and using models</p> <p><b>S3.</b> Planning and carrying out investigations</p> <p><b>S4.</b> Analyzing and interpreting data</p> <p><b>S5.</b> Using mathematics and computational thinking</p> <p><b>S6.</b> Constructing explanations (for science) and designing solutions (for engineering)</p> <p><b>S7.</b> Engaging in argument from evidence</p> <p><b>S8.</b> Obtaining, evaluating, and communicating information</p>	<p><b>Mathematical Practices</b></p> <p><b>M1.</b> Make sense of problems and persevere in solving them</p> <p><b>M2.</b> Reason abstractly and quantitatively</p> <p><b>M3.</b> Construct viable arguments and critique the reasoning of others</p> <p><b>M4.</b> Model with mathematics</p> <p><b>M5.</b> Use appropriate tools strategically</p> <p><b>M6.</b> Attend to precision</p> <p><b>M7.</b> Look for and make use of structure</p> <p><b>M8.</b> Look for and express regularity in repeated reasoning</p>	<p><b>English Language Arts Practices</b></p> <p><b>E1.</b> They demonstrate independence</p> <p><b>E2.</b> They build strong content knowledge</p> <p><b>E3.</b> They respond to the varying demands of audience, task, purpose, and discipline</p> <p><b>E4.</b> They comprehend as well as critique</p> <p><b>E5.</b> They value evidence</p> <p><b>E6.</b> They use technology and digital media strategically and capably</p> <p><b>E7.</b> They come to understanding other perspectives and cultures</p>	<p><b>Computer Science Practices</b></p> <p><b>CS1.</b> Fostering an Inclusive Computing Culture</p> <p><b>CS2.</b> Collaborating Around Computing</p> <p><b>CS3.</b> Recognizing and Defining Computational Problems</p> <p><b>CS4.</b> Developing and Using Abstractions</p> <p><b>CS5.</b> Creating Computational Artifacts</p> <p><b>CS6.</b> Testing and Refining Computational Artifacts</p> <p><b>CS7.</b> Communicating About Computing</p>	<p><b>Career Ready Practices</b></p> <ol style="list-style-type: none"> <li>Act as a responsible and contributing citizen and employee.</li> <li>Apply appropriate academic and technical skills.</li> <li>Attend to personal health and financial well being.</li> <li>Communicate clearly, effectively and with reason.</li> <li>Consider the environmental, social and economic impacts of decisions.</li> <li>Demonstrate creativity and innovation.</li> <li>Employ valid and reliable research strategies.</li> <li>Utilize critical thinking to make sense of problems and persevere in solving them.</li> <li>Model integrity, ethical leadership and effective management.</li> <li>Plan education and career path aligned to personal goals.</li> <li>Use technology to enhance productivity.</li> <li>Work productively in teams while using cultural/global competence.</li> </ol>	<p><b>Skills</b></p> <p><b>1. Learning &amp; Innovation</b> Creativity and innovation Critical thinking and problem solving Communication and collaboration</p> <p><b>2. Information, Media and Technology</b> Information literacy Media literacy Information, communications and technology literacy</p> <p><b>3. Life and Career</b> Flexibility and adaptability Initiative and self-direction Social and cross-cultural skills Productivity and accountability Leadership and responsibility</p> <p><b>Core Subjects and 21st Century Themes</b></p> <p>Global awareness Financial, economic, business and entrepreneurial literacy Civic literacy Health literacy Environmental literacy</p>