

## CAREER PREPAREDNESS

<b>Unit</b>	<b>Technology Skill Applications</b>	<b>Time on Task: 3 Hours/180 Minutes</b>
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<b>Course Content Standard(s)</b>	10. Compare functions of various operating systems.
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### *College and Career Readiness Standards*

*(Teachers should select the appropriate grade span standard(s) as it pertains to reading and writing.)*


Reading Standards for Literacy in Science and Technical Subjects 6-12 <u>or</u> Reading Standards for Literacy in History/Social Studies 6-12	Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects 6-12	Standards for Mathematical Practice
1. and 9.	4., 5., and 6.	

<b>Learning Objective(s)</b>	<p>The student will:</p> <ol style="list-style-type: none"> <li>1. Define operating systems.</li> <li>2. Identify and compare examples of operating system.</li> <li>3. Evaluate the functions of various operating systems.</li> </ol>
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<b>21<sup>st</sup> Century Competencies</b>	<input checked="" type="checkbox"/> Critical Thinking <input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Collaboration <input checked="" type="checkbox"/> Creativity <span style="float: right;">Source: Partnership for 21st Century Skills (<a href="http://www.p21.org/">www.p21.org/</a>)</span>
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<b>Essential Question(s)</b>	<p>What is an operating system and why is it important to the computer or mobile device?</p> <p>How do you determine which type of operating system best supports your computer or mobile device?</p>
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<b>Content Knowledge</b>	<b>Suggested Instructional Activities</b>	<b>Suggested Materials, Equipment, and Technology</b>
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<p>I. Operating Systems A. Definition</p>	<p>Students read page 1 of the “What is an Operating System” lesson and watch the video (2 min 13 sec) provided.</p> <p>Discuss: Roles and functions of an operating system.</p>	
<p>B. Types of Operating Systems 1. Windows 2. Mac OS X 3. Android 4. iOS</p>	<p>Students read and explore the links related to the different operating systems on pages 2 – 6 of the “Types of Operating System” lesson.</p> <p>Divide students into groups to explore the various operating systems and their functions and present research findings to class.</p> <p>Complete “Challenge” exercise on page 7.</p>	<p>Computer Presentation software</p> <p>Comparison of mobile operating systems handout (embedded file).</p>  <p>pc-world-comparison-chart2.docx</p>

<p><b>Assessment of Learning</b></p>	<p><b>Formative Assessments (AQTS 2.8)</b></p> <ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Challenge Exercise</li> <li>• Oral Presentation</li> <li>• Discussion</li> <li>• Class Participation</li> </ul>	<p><b>Summative Assessments (AQTS 2.9)</b></p> <ul style="list-style-type: none"> <li>• Presentation</li> </ul>
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<p><b>Sample Career Options</b></p>	<p>Computer Technician, Customer Service Representative, Help Desk Representative, Network Administrator</p>
<p><b>Online Experience</b></p>	<p>Does this lesson address the required online experience? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate length of time in minutes. <a href="#">Click here to enter text.</a></p>
<p><b>Unit/Course CTSO Activity (if applicable)</b></p>	<p>Prepare for a competitive event by presenting information to an audience.</p>

<b>Culminating Product</b>	Collect data; create charts and graphs, and present information about the current usage of available operating systems.
<b>Course/Program Credential(s):</b> <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Other:	

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