

CAREER PREPAREDNESS

Unit	Technology Skill Applications	Time on Task: 3 Hours/180 Minutes
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Course Content Standard(s)	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.	

Learning Objective(s)	The student will: <ol style="list-style-type: none"> 1. Define operating systems. 2. Identify and compare examples of operating system. 3. Evaluate the functions of various operating systems.
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21st Century Competencies	<input checked="" type="checkbox"/> Critical Thinking <input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Collaboration <input checked="" type="checkbox"/> Creativity Source: Partnership for 21st Century Skills (www.p21.org/)
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Essential Question(s)	What is an operating system and why is it important to the computer or mobile device? How do you determine which type of operating system best supports your computer or mobile device?
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Content Knowledge	Suggested Instructional Activities	Suggested Materials, Equipment, and Technology
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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>Computers Internet http://www.gcflearnfree.org/computerbasics/2</p> <p>If computers are not available, visit http://www.gcflearnfree.org/computerbasics/2 for a printable version of the lesson.</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>Assessment of Learning</p>	<p>Formative Assessments (AQTS 2.8)</p> <ul style="list-style-type: none"> • Teacher Observation • Challenge Exercise • Oral Presentation • Discussion • Class Participation 	<p>Summative Assessments (AQTS 2.9)</p> <ul style="list-style-type: none"> • Presentation
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<p>Sample Career Options</p>	<p>Computer Technician, Customer Service Representative, Help Desk Representative, Network Administrator</p>
<p>Online Experience</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. Click here to enter text.</p>
<p>Unit/Course CTSO Activity (if applicable)</p>	<p>Prepare for a competitive event by presenting information to an audience.</p>

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

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