

Technology

Discovering Computers 6

2011

Nature of Technology	Technology and Society Interaction	Technology for Productivity Applications	Technology and Communications Applications
<p>Definition: Students develop an understanding of the core concepts of technology; it is exponential, driven by history, design, and commercialization, shaped by need, creative/innovative thinking, economic factors and cultural influences.</p>	<p>Definition: Students recognize and understand the impact technology has on society and history. Students engage in ethical use of technology</p>	<p>Definition: Students learn the operation of technology through the use of technology and productivity tools.</p>	<p>Definition: Students use an array of technologies and apply design concepts to communicate with multiple audiences, acquire and disseminate information and enhance learning.</p>
<p>Indicators:</p> <ol style="list-style-type: none"> 1. Introduce the core concepts of technology and how they affect design and use in a practical setting. 2. Evaluate how core concepts drive the selection of appropriate technology 	<p>Indicators:</p> <ol style="list-style-type: none"> 3. Learn and model responsible digital citizenship with all technologies. 	<p>Indicators:</p> <ol style="list-style-type: none"> 5. Demonstrate an understanding of basic hardware and software 6. Access and use networks and the Internet 7. Select appropriate resources for productivity 8. Build keyboarding accuracy and speed. 	<p>Indicators:</p> <ol style="list-style-type: none"> 9. Select appropriate technology resources to communicate information 10. Select, develop, publish, and present information in a format that is appropriate for content and audience

Technology and Information Literacy	Design	Designed World
<p>Definition: Students engage information literacy strategies, use the Internet technology tools and resources, and apply information management skills to answer questions and expand knowledge.</p>	<p>Definition: Students apply problem- solving strategies demonstrating the nature of design, the role of engineering, and the role of assessment.</p>	<p>Definition: Students understand their role in the designed world.</p>
<p>Indicators:</p> <ol style="list-style-type: none"> 11. Use technology to conduct research and follow a research process model 	<p>Indicators:</p> <ol style="list-style-type: none"> 12. Apply feedback to improve product design. 	<p>Indicators:</p> <ol style="list-style-type: none"> 13. Students evaluate career opportunities through the use of a skills assessment and career specific research. (e.g. OCIS).