

Industrial Technology

Advanced Wood Technology

2007

Nature of Technology	Technology and Society Interaction	Technology for Productivity	Technology and Communications Applications
<p>Definition: Students learn that technology is exponential, driven by history, design, and commercialization shaped by need, creative/inventive 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>Questions: What is technology? What makes technology useful?</p>	<p>Questions: What are ethical ways for using technology? How does technology affect technology?</p>	<p>Questions: What tools increase industry productivity? How are technology tools used to increase productivity?</p>	<p>Questions: Is technology an effective way to communicate and problem solve?</p>
<p>Indicators: 1. Apply various wood technologies to wood lab projects 2. Compare and contrast how woodworking technologies</p>	<p>Indicators: 3. Practice safe and ethical woodworking techniques 4. Implement state of the art wood technologies</p>	<p>Indicators: 5. Utilize productivity increasing tools, techniques and systems 6. Exhibit mastery in utilizing woodworking tools</p>	<p>Indicators: 7. Utilize communication technologies to present and reflect on woodworking projects</p>

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>Questions: What makes a person technologically literate? How is technology applied?</p>	<p>Questions: What is the problem solving and design process?</p>	<p>Questions: What processes and materials are used in industrial technology and how are they graphically represented?</p>
<p>Indicators: 8. Evaluate information and apply knowledge to woodworking machines and processes 9. Use knowledge to properly instruct other students regarding how to utilize machines effectively, and how to locate information regarding wood technology</p>	<p>Indicators: 9. Demonstrate mastery of the problem solving and design model as it applies to wood technology</p>	<p>Indicators: 10. Effectively determine appropriate use of materials for woodworking projects</p>