

Nature of Technology	Technology and Society Interaction	Technology for Productivity Applications	Technology and Communication Applications
<p><i>Students develop an understanding of technology, its characteristics, scope, core concepts* and relationships between technologies and other fields.</i></p> <p><i>*The core concepts of technology include systems, resources, requirements, optimization and tradeoffs, processes and controls.</i></p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>What is technology? What makes technology useful?</p> </div> <p>1. Recognize the characteristics and types of technologies.</p>	<p><i>Students recognize interactions among society, the environment and technology, and understand technology's relationship with history. Consideration of these concepts forms a foundation for engaging in responsible and ethical use of technology.</i></p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>How does technology affect society? What are right and wrong ways to use technology?</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p><i>Students learn the operations of technology through the usage of technology and productivity tools.</i></p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>How do technology tools affect learning?</p> </div> <p>3. Understand basic computer and basic multimedia terminology (e.g. monitor, keyboard, mouse, printer, computer, VCR/ DVD, listening station).</p> <p>4. Demonstrate operation of basic computer and multimedia technology tools with teacher assistance.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p><i>Students use an array of technologies and apply design concepts to communicate with multiple audiences, acquire and disseminate information and enhance learning.</i></p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Is technology an effective way to communicate? What effect does media format have on our ability to communicate?</p> </div> <p>5. Investigate the nature and operation of communication systems (explore different media: e-mail, TV, newspapers, film, web pages).</p>

# Kindergarten

## Technology and Information Literacy

## Design

## Designed World

*Students engage in information literacy strategies, use the Internet, technology tools and resources, and apply information-management skills to answer questions and expand knowledge.*

*Students apply a number of problem-solving strategies demonstrating the nature of design, the role of engineering and the role of assessment.*

*Students understand how the physical, informational and bio-related technological systems of the designed world are brought about by the design process. Critical to this will be students' understanding of their role in the designed world: its processes, products, standards, services, history, future, impact, issues and career connections.*

What makes a person information literate? What makes a resource reliable? What makes information relevant?

How can the design process aid in understanding? How does design influence use? How does use influence design?

Do people drive systems or do systems drive people? How do people drive progress and innovation?

6. State what information is, and show where it can be found.

7. Identify problems and ways they can be solved using tools.

8. Demonstrate an understanding of bio-related technologies. (Health, SS #4, SS #9).