

Standards Correlations

Technology Transfer (8404, 8405)

Task	SOL Correlations
Demonstrating Personal Qualities and Abilities	
Demonstrate creativity and innovation.	English: 6.1, 6.3, 6.4, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 8.2, 8.4, 8.6, 8.7, 8.11, 8.12, 8.17, 8.18, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, AII.9, COM.1, COM.3, COM.4, COM.5, COM.8, DM.7, DM.1*, DM.10, DM.2*, DM.3*, PS.3*, PS.4*, PS.7*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1
Demonstrate critical thinking and problem solving.	English: 6.1, 6.3, 6.4, 6.5, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.5, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.10, 6.11, 7.2, 7.3, 7.8, 7.12, 7.13, 8.2, 8.4, 8.8, 8.9, 8.10, 8.11, A.8, A.9, G.1, G.13, G.14, AFDA.3, AFDA.5, AFDA.8, AII.9, AII.10, AII.11, COM.1, COM.3, COM.4, COM.5, COM.8, DM.4, DM.7, DM.1*, DM.2*, DM.3*, DM.9*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1
Demonstrate initiative and self-direction.	English: 6.1, 6.4, 6.6, 6.7, 6.9, 7.1, 7.4, 7.6, 7.7, 7.9, 8.1, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1,

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	WG.1, WHI.1, WHII.1
Demonstrate integrity.	English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate work ethic.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
Demonstrating Interpersonal Skills	
Demonstrate conflict-resolution skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.4, 8.6, 8.7, 8.9, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, VUS.1
Demonstrate listening and speaking skills.	English: 6.1, 6.2, 6.4, 6.6, 7.1, 7.2, 7.4, 7.6, 8.1, 8.2, 8.4, 8.6, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate respect for diversity.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, USII.9, VUS.1, VUS.13, WG.1, WHI.1, WHII.1
Demonstrate customer service skills.	English: 6.1, 6.4, 6.7, 7.1, 7.4, 7.7, 8.1, 8.4, 8.7, 9.1, 9.5, 9.6, 10.1, 10.5, 10.6, 11.1, 11.5, 11.6, 12.1, 12.5, 12.6 History and Social Science: CE.1, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Collaborate with team members	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrating Professional Competencies	
Demonstrate big-picture thinking.	English: 6.1, 6.4, 7.1, 7.4, 8.1, 8.4, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5 History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1,

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	VUS.1, WG.1, WHI.1, WHII.1
Demonstrate career- and life-management skills.	English: 6.1, 6.7, 7.1, 7.7, 8.1, 8.7, 9.1, 9.6, 10.1, 10.6, 11.1, 11.6, 12.1, 12.6 History and Social Science: CE.1, CE.4, CE.12, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 8.4
Demonstrate continuous learning and adaptability.	English: 6.1, 6.4, 6.7, 6.9, 7.1, 7.4, 7.7, 7.9, 8.1, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.3, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: BIO.1, CH.1, LS.1, PH.1, PH.4, PS.1
Manage time and resources.	English: 6.1, 6.2, 6.4, 6.7, 6.9, 7.1, 7.2, 7.4, 7.7, 7.9, 8.1, 8.2, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 8.4, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, A.4, A.5, A.8, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, COM.1, COM.3, COM.5, COM.8
Demonstrate information-literacy skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.9, 9.2, 9.5, 9.6, 9.8, 10.2, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.8, 7.9, 8.11, 8.12, A.8, A.9, AFDA.3, AFDA.4, AFDA.6, AFDA.7, AFDA.8, DM.8, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10* Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate an understanding of information security.	English: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.5, 9.6, 9.8, 10.1, 10.2, 10.5, 10.6, 10.8, 11.1, 11.2, 11.5, 11.6, 11.8, 12.1, 12.2, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1

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	Mathematics: COM.10
Maintain working knowledge of current information-technology (IT) systems.	English: 6.1, 6.3, 6.4, 6.6, 6.9, 7.1, 7.3, 7.4, 7.6, 7.9, 8.1, 8.3, 8.4, 8.6, 8.9 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17 Science: BIO.1, CH.1, ES.1, PH.1
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.9, 8.4, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AII.4, AII.7, AII.9, COM.1, COM.7, COM.10, COM.11, COM.12, COM.16 Science: CH.1, ES.1, LS.1, PH.1, PS.1
Apply mathematical skills to job-specific tasks.	English: 6.4, 6.6, 6.7, 7.4, 7.6, 7.7, 8.4, 8.6, 8.7, 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.5, 6.6, 6.12, 6.13, 6.14, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13, 8.4, 8.5, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.17, 8.18, A.1, A.3, A.4, A.5, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AFDA.8, AII.3, AII.7, AII.9, AII.10, COM.1, COM.7 Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1
Demonstrate professionalism.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1
Demonstrate reading and writing skills.	English: 6.1, 6.6, 6.7, 7.1, 7.6, 7.7, 8.1, 8.6, 8.7, 9.1, 9.5, 9.6, 9.7, 10.1, 10.5, 10.6, 10.7, 11.1, 11.5, 11.6, 11.7, 12.1, 12.5, 12.6, 12.7 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: 6.1, PH.1, PS.1
Demonstrate workplace safety.	English: 6.4, 7.4, 8.4, 9.5, 10.5, 11.5, 12.5

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	History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Science: CH.1
Examining All Aspects of an Industry	
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16
Examine aspects of management within an industry/organization.	
Examine aspects of financial responsibility within an industry/organization.	
Examine technical and production skills required of workers within an industry/organization.	
Examine principles of technology that underlie an industry/organization.	
Examine labor issues related to an industry/organization.	History and Social Science: GOVT.16
Examine community issues related to an industry/organization.	History and Social Science: GOVT.16
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16
Addressing Elements of Student Life	
Identify the purposes and goals of the student organization.	
Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic	

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organizations as an adult.	
Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.	
Identify Internet safety issues and procedures for complying with acceptable use standards.	
Exploring Work-Based Learning	
Identify the types of work-based learning (WBL) opportunities.	
Reflect on lessons learned during the WBL experience.	
Explore career opportunities related to the WBL experience.	
Participate in a WBL experience, when appropriate.	
Evaluating Effects of Technological Systems	
Explain technology transfer.	<p>English: 10.4, 11.5, 12.5</p> <p>ITEEA National Standards:</p> <ol style="list-style-type: none"> 1. The Characteristics and Scope of Technology 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields 4. The Cultural, Social, Economic, and Political Effects of Technology
Review the major technological contexts.	<p>English: 10.4, 11.5, 12.5</p> <p>History and Social Science: VUS.8, VUS.14, WG.4, WG.17, WHII.8, WHII.14</p>

Task	SOL Correlations
	ITEEA National Standards: 14. Medical Technologies 15. Agricultural and Related Biotechnologies 16. Energy and Power Technologies 17. Information and Communication Technologies 18. Transportation Technologies 19. Manufacturing Technologies 20. Construction Technologies TSA Competitive Events: Biotechnology Design Engineering Design Transportation Modeling
Identify technological systems.	English: 10.4, 11.5, 12.5 History and Social Science: VUS.14, WG.17, WHII.14 ITEEA National Standards: 2. The Core Concepts of Technology
Analyze the connections among technological systems.	English: 10.4, 11.5, 12.5 History and Social Science: VUS.14, WG.17, WHII.14 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 2. The Core Concepts of Technology
Describe how interdisciplinary thinking enhances technology transfer.	English: 10.4, 11.5, 12.5 History and Social Science: VUS.14, WG.17, WHII.14

Task	SOL Correlations
	ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 13. Assess the Impact of Products and Systems 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields
Analyze the contributions of technology to economic systems.	English: 10.4, 11.5, 12.5 History and Social Science: GOVT.14, GOVT.15 ITEEA National Standards: 4. The Cultural, Social, Economic, and Political Effects of Technology
Evaluate the effects of technology on society, cultures, and the environment.	History and Social Science: GOVT.14, GOVT.15, VUS.2, VUS.3, VUS.4, VUS.6, VUS.7, VUS.8, VUS.9, VUS.10, VUS.11, VUS.12, VUS.13, VUS.14, WG.4, WG.15, WG.16, WG.17, WHI.2, WHI.3, WHI.4, WHI.5, WHI.6, WHI.8, WHI.9, WHI.10, WHI.11, WHI.12, WHI.13, WHI.14, WHI.15, WHII.2, WHII.3, WHII.4, WHII.5, WHII.6, WHII.7, WHII.8, WHII.9, WHII.10, WHII.11, WHII.12, WHII.13, WHII.14 ITEEA National Standards: 4. The Cultural, Social, Economic, and Political Effects of Technology
Explain the concept of appropriate technology.	English: 10.4, 11.5, 12.5 History and Social Science: GOVT.14, GOVT.15, VUS.2, VUS.3, VUS.4, VUS.6, VUS.7, VUS.8, VUS.9, VUS.10, VUS.11, VUS.12, VUS.13, VUS.14, WG.4, WG.15, WG.16, WG.17, WHI.2, WHI.3, WHI.4, WHI.5, WHI.6, WHI.8, WHI.9, WHI.10, WHI.11, WHI.12, WHI.13, WHI.14, WHI.15, WHII.2, WHII.3, WHII.4, WHII.5, WHII.6, WHII.7, WHII.8, WHII.9, WHII.10, WHII.11, WHII.12, WHII.13, WHII.14 ITEEA National Standards: 4. The Cultural, Social, Economic, and Political Effects of Technology

Task	SOL Correlations
	5. The Effects of Technology on the Environment 6. The Role of Society in the Development and Use of Technology 7. The Influence of Technology on History TSA Competitive Events: Essays on Technology
Analyze career opportunities in a variety of technological fields.	English: 10.4, 10.8, 11.5, 11.8, 12.5, 12.8 History and Social Science: GOVT.14, GOVT.15 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields
Review proven technologies for possible enhancements or different uses.	English: 10.4, 10.8, 11.5, 11.8, 12.5, 12.8 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving
Explain the concept of intellectual property.	English: 10.4, 11.3, 11.5, 12.3, 12.5 History and Social Science: GOVT.14, GOVT.15, VUS.14, WG.17, WHII.14 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields
Applying the Engineering Design Process in STEM	
Analyze how universal components make up a technological system.	English: 10.4, 11.5, 12.5 Mathematics: COM.11

Task	SOL Correlations
	ITEEA National Standards: 2. The Core Concepts of Technology
Create an example of a theoretical system.	English: 10.4, 11.3, 12.3 Mathematics: COM.1, COM.2, COM.3, COM.4, COM.6, COM.7, COM.8, COM.9 ITEEA National Standards: 2. The Core Concepts of Technology 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields
Identify the steps of the engineering design process.	English: 10.4, 10.6, 10.7, 11.3, 11.5, 11.6, 11.7, 11.8, 12.3, 12.5, 12.6, 12.7, 12.8 ITEEA National Standards: 9. Engineering Design TSA Competitive Events: Engineering Design
Identify the components of an engineering design portfolio.	English: 10.4, 11.5, 11.8, 12.5, 12.8 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields 9. Engineering Design TSA Competitive Events: Engineering Design
Apply modeling and simulation techniques.	English: 10.4, 11.5, 12.5 Mathematics: G.14, AFDA.1, AFDA.2, AFDA.3, AFDA.4, AII.7, AII.8, MA.2,

Task	SOL Correlations
	<p>MA.3, MA.10</p> <p>ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 2. The Core Concepts of Technology</p> <p>TSA Competitive Events: 3D Animation</p>
<p>Identify mathematical terms and procedures that are applicable to technology.</p>	<p>English: 10.4, 11.5, 12.5</p> <p>History and Social Science: WHI.5, WHI.6</p> <p>Mathematics: G.2, G.3, G.5, G.6, G.7, G.8, G.14, AII.10, MA.7, MA.8, PS.1*</p> <p>ITEEA National Standards: 2. The Core Concepts of Technology 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields</p>
<p>Identify scientific laws and principles that are applicable to technology.</p>	<p>English: 10.4, 11.5, 12.5</p> <p>History and Social Science: WHII.4</p> <p>Science: PH.4, PH.6, PH.7</p> <p>ITEEA National Standards: 2. The Core Concepts of Technology 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields</p> <p>TSA Competitive Events:</p>

Task	SOL Correlations
	Biotechnology Design
Applying Technological Processes	
Propose a technology transfer.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields 8. The Attributes of Design 9. Engineering Design
Model a proposed technology transfer using engineering techniques and processes.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving
Diagram the material flow through the supply chain.	ITEEA National Standards: 4. The Cultural, Social, Economic, and Political Effects of Technology
Modify a quality assurance plan.	English: 10.2, 10.4, 10.8, 11.1, 11.5, 11.8 Mathematics: AFDA.8, PS.8*, PS.9*, PS.10*
Identify tools, machines, materials, and processes needed for a proposed technology transfer.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 2. The Core Concepts of Technology 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields 8. The Attributes of Design 9. Engineering Design

Task	SOL Correlations
Identify safety considerations specific to a proposed technology transfer.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 11. Apply the Design Process 12. Use and Maintain Technological Products and Systems 13. Assess the Impact of Products and Systems
Evaluate a proposed technology transfer.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 13. Assess the Impact of Products and Systems
Demonstrating Teamwork in Technology Transfer Problem Solving	
Organize an engineering design project team.	English: 10.2, 10.8, 11.1, 11.5, 12.1, 12.5 ITEEA National Standards: 13. Assess the Impact of Products and Systems 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields 9. Engineering Design
Use team feedback to improve technological systems.	English: 10.2, 10.4, 11.1, 11.5, 12.1, 12.5 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields TSA Competitive Events: Engineering Design
Resolve conflict within a team.	English: 10.2, 11.1, 12.1

Task	SOL Correlations
	ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields TSA Competitive Events: Debating Technological Issues
Employ active-listening techniques in an engineering team.	English: 10.2, 11.1, 12.1 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields TSA Competitive Events: Engineering Design Extemporaneous Speech
Explain the benefits of active listening.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields
Explain the benefits of multiple perspectives and diverse skills in solving real-world problems.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields 4. The Cultural, Social, Economic, and Political Effects of Technology
Evaluate the team process.	English: 10.4, 11.5, 12.5

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	ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields
Perform responsibilities as defined by serving on a design engineering team.	English: 10.4, 11.5, 12.5 TSA Competitive Events: Engineering Design
Transfer a technology system, process, or artifact to solve a problem.	English: 10.6, 10.7, 11.6, 11.7, 12.6, 12.7 ITEEA National Standards: 10. The Role of Troubleshooting, Research and Development, Invention and Innovation, and Experimentation in Problem Solving 11. Apply the Design Process 12. Use and Maintain Technological Products and Systems 13. Assess the Impact of Products and Systems 8. The Attributes of Design 9. Engineering Design
Present a technology transfer solution as a team.	English: 10.4, 11.5, 12.5 ITEEA National Standards: 3. The Relationships Among Technologies and the Connections Between Technology and Other Fields TSA Competitive Events: Biotechnology Design Engineering Design Prepared Presentation
Evaluate the effectiveness of group dynamics.	English: 10.2, 10.4, 11.1, 11.5, 12.1, 12.5 ITEEA National Standards:

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	3. The Relationships Among Technologies and the Connections Between Technology and Other Fields