

# Standards Correlations

## Surgical Technologist I (8351)

Task	SOL Correlations	HOSA Competitive Events (High School)
<b>Demonstrating Personal Qualities and Abilities</b>		
Demonstrate creativity and innovation.	<p>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</p> <p>History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>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*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>	
Demonstrate critical thinking and problem solving.	<p>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</p>	

Task	SOL Correlations	HOSA Competitive Events (High School)
	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, 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	
<b>Demonstrating Interpersonal Skills</b>		

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
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	
<b>Demonstrating Professional Competencies</b>		
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	

Task	SOL Correlations	HOSA Competitive Events (High School)
	History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1, 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	

Task	SOL Correlations	HOSA Competitive Events (High School)
Demonstrate information-literacy skills.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>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*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1</p>	
Demonstrate an understanding of information security.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: COM.10</p>	
Maintain working knowledge of current information-technology (IT) systems.	<p>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</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17</p> <p>Science: BIO.1, CH.1, ES.1, PH.1</p>	

Task	SOL Correlations	HOSA Competitive Events (High School)
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	

Task	SOL Correlations	HOSA Competitive Events (High School)
	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 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	
<b>Examining All Aspects of an Industry</b>		
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	History and Social Science: GOVT.16	

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issues related to an industry/organization.		
<b>Addressing Elements of Student Life</b>		
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 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.		
<b>Exploring Work-Based Learning</b>		
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.		



Task	SOL Correlations	HOSA Competitive Events (High School)
<b>Exploring the World of Surgical Technology</b>		
Explain the role and responsibilities of a surgical technologist.	English: 12.3, 12.5	<b>Health Professions Events</b> <ul style="list-style-type: none"> <li>○ Clinical Specialty</li> </ul> <b>Leadership Events</b> <ul style="list-style-type: none"> <li>○ Medical Photography</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ Health Career Display</li> </ul>
Describe the roles of the various members of the surgical team.	English: 12.5	<b>Health Professions Events</b> <ul style="list-style-type: none"> <li>○ Clinical Specialty</li> </ul> <b>Leadership Events</b> <ul style="list-style-type: none"> <li>○ Medical Photography</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ Health Career Display</li> </ul>

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
Describe potential career paths for surgical technologists.	English: 12.5	<b>Leadership Events</b> <ul style="list-style-type: none"> <li>○ Medical Photography</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ Health Career Display</li> </ul>
Identify types of healthcare facilities that may employ surgical technologists.	English: 12.3	<b>Leadership Events</b> <ul style="list-style-type: none"> <li>○ Job-Seeking Skills</li> </ul>
Describe how the operating room interacts with other hospital departments to provide continuity of patient care and safety.	English: 12.5 History and Social Science: GOVT.11, GOVT.16, VUS.13	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Terminology</li> </ul>
Describe professional organizations and credentialing in the field of surgical technology.	English: 12.5, 12.8	<b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ Health Career Display</li> </ul>
Identify the means of and purpose for effective communication among operating room team members and between the surgical team and other hospital departments/other hospitals.	History and Social Science: VUS.14, WHII.14	
Describe the layout of a local hospital, with attention to the purpose and arrangement of areas most related to surgery.	English: 12.3	

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
Describe the operating room of a local hospital, noting the room arrangement, equipment, and areas used by the surgical technologist.	English: 12.5	
Identify restricted, semi-restricted, and nonrestricted areas of the operating room.	English: 12.3, 12.5	
Differentiate between sterile and nonsterile members of the surgical team.	English: 12.3	
<b>Communicating in the Healthcare Workplace</b>		
Describe how body language is used as a form of communication.	English: 12.5	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Transcultural Health Care</li> </ul>
Explain zones of space in communication.	English: 12.5  History and Social Science: GOVT.16	
Describe the concept of professional standards of communication.	English: 12.5  History and Social Science: GOVT.16	<b>Leadership Events</b> <ul style="list-style-type: none"> <li>○ Interviewing Skills</li> <li>○ Job-Seeking Skills</li> <li>○ Prepared Speaking</li> <li>○ Researched Persuasive Speaking</li> </ul>

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
Apply basic communication skills in the healthcare workplace.	English: 12.1, 12.6	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Transcultural Health Care</li> </ul>
Identify biopsychosocial needs of the patient.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Human Growth and Development</li> </ul>
<b>Understanding Medical Ethics</b>		
Describe the concepts and importance of confidentiality and patients' rights and responsibilities.	English: 12.5	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Medical Law and Ethics</li> </ul>
Apply medical ethics and law.		<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Medical Law and Ethics</li> </ul>
<b>Applying Safety Procedures</b>		
Promote a safe, clean, comfortable environment for the patient.		<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Spelling</li> </ul>

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
		<ul style="list-style-type: none"> <li>○ Medical Terminology</li> </ul>
Locate emergency equipment.	Science: BIO.1, CH.1	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Terminology</li> </ul>
Describe fire-safety procedures in the operating room.	English: 12.5 Science: CH.1	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Terminology</li> </ul>
Demonstrate correct body mechanics.		<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Spelling</li> <li>○ Medical Terminology</li> </ul>
Explain chemical hazards and procedures to follow in case of a chemical spill or contamination.	English: 12.5 Science: CH.1	
Identify other environmental safety and security hazards, prevention methods, and disaster plans.	English: 12.3 History and Social Science: VUS.8, VUS.14, WHII.8, WHII.14	<b>Emergency Preparedness Events</b> <ul style="list-style-type: none"> <li>○ MRC Partnership</li> </ul>
<b>Understanding Principles of Asepsis</b>		
Define the chain of infection.	English: 12.3	<b>Teamwork Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
	History and Social Science: VUS.8, VUS.14, WHIL.8, WHIL.14  Science: BIO.4	<ul style="list-style-type: none"> <li>○ HOSA Bowl</li> <li><b>Emergency Preparedness Events</b></li> <li>○ Epidemiology</li> </ul>
Explain bloodborne pathogens and the exposure-control plan in the healthcare facility.	English: 12.5  History and Social Science: VUS.14	<ul style="list-style-type: none"> <li><b>Teamwork Events</b></li> <li>○ HOSA Bowl</li> <li><b>Emergency Preparedness Events</b></li> <li>○ Epidemiology</li> </ul>
Implement Standard Precautions and infectious disease control measures.	English: 12.5	<ul style="list-style-type: none"> <li><b>Teamwork Events</b></li> <li>○ HOSA Bowl</li> <li><b>Emergency Preparedness Events</b></li> <li>○ Epidemiology</li> </ul>
Explain the basic concepts of microbiology.	English: 12.5  Science: BIO.4	<b>Teamwork Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ HOSA Bowl</li> <li><b>Emergency Preparedness Events</b></li> <li>○ Epidemiology</li> </ul>
Explain the concept and principles of medical asepsis, to include sources of contamination.	English: 12.3, 12.5	<b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> <li><b>Emergency Preparedness Events</b></li> <li>○ Epidemiology</li> </ul>
Identify methods of environmental control of contamination.	English: 12.3 History and Social Science: VUS.14, WHII.14	<b>Emergency Preparedness Events</b> <ul style="list-style-type: none"> <li>○ Epidemiology</li> </ul>
Describe surgical conscience as it relates to the principles of asepsis.	English: 12.5	
Explain the difference between terminal cleaning, disinfection, and sterilization.	English: 12.5	<b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
<b>Applying Aseptic Technique and Surgical Asepsis</b>		

Task	SOL Correlations	HOSA Competitive Events (High School)
Demonstrate the principles of aseptic technique during perioperative procedures.	Science: BIO.3	
Demonstrate basic hand hygiene.		
Demonstrate surgical scrub and surgical rub.		
Demonstrate the steps for donning and doffing surgical attire.		
Demonstrate donning and doffing surgical gloves.		
Demonstrate donning and doffing a surgical gown.		
Demonstrate gowning and gloving members of the surgical team.		
Demonstrate the procedure for opening sterile items and delivering them to the sterile field.		
<b>Maintaining Instruments</b>		
Prepare contaminated instruments for transportation to sterile processing.		
Describe the various methods for cleaning instruments.	English: 12.5	<b>Emergency Preparedness Events</b> <ul style="list-style-type: none"> <li>○ Epidemiology</li> </ul>



Task	SOL Correlations	HOSA Competitive Events (High School)
Explain the disinfection process.	English: 12.5	
Demonstrate the steps for assembly and inspection of instruments.		
<b>Performing Sterilization Procedures</b>		
Sterilize instruments and supplies, using steam.	English: 12.5	
Describe the process for low-temperature sterilization of instruments and supplies.	English: 12.5	
Describe the process for cold sterilization of instruments and supplies.	English: 12.5	
Sterilize instruments and supplies using peracetic acid.	English: 12.5	
Distribute instruments for storage.		
<b>Performing Emergency Procedures</b>		
Demonstrate CPR.		<b>Emergency Preparedness Events</b> <ul style="list-style-type: none"> <li>○ CPR/First Aid</li> <li>○ Life Support Skills</li> </ul>
Describe emergency equipment related to the operating room and the purpose of each.	English: 12.5	<b>Emergency Preparedness Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ CPR/First Aid</li> </ul>
<b>Demonstrating Technical Knowledge</b>		
Explain surgical conscience.	English: 12.5  History and Social Science: GOVT.11	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Medical Law and Ethics</li> </ul>
Use medical terminology related to general medicine and the operating room environment.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Spelling</li> <li>○ Medical Terminology</li> </ul>
Apply methods of reporting and preventing errors.	English: 12.5	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Medical Law and Ethics</li> </ul>
Explain the relationship between basic principles of physics and the surgical environment.	English: 12.5  Science: PH.4, PH.9	
Identify basic surgical instruments and the purpose of each.	English: 12.3	
Identify techniques for using, maintaining, and troubleshooting	English: 12.3	

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
equipment in the operating room environment.		
Measure vital signs.	History and Social Science: WHII.4  Science: BIO.1, BIO.4	<b>Health Professions Events</b>  ○ Nursing Assisting
Describe methods of hemostasis.	English: 12.3	<b>Health Science Events</b>  ○ Knowledge Test: Pathophysiology  <b>Teamwork Events</b>  ○ HOSA Bowl
<b>Understanding Structures, Functions, and Surgical Pathologies of Body Systems</b>		
Identify the basic structural levels of body organization, anatomical structure, and body cavities.	English: 12.3  History and Social Science: WHI.15, WHII.2  Science: BIO.4	<b>Health Science Events</b>  ○ Medical Terminology  <b>Teamwork Events</b>  ○ HOSA Bowl
Identify the structures and functions of the cell.	English: 12.3  History and Social Science: WHI.15, WHII.2	<b>Health Science Events</b>  ○ Medical Terminology

<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
		<b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the types and functions of tissues.	English: 12.3 History and Social Science: WHI.15, WHII.2 Science: BIO.4	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Medical Spelling</li> <li>○ Medical Terminology</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the chemical components of the body.	English: 12.3 Science: BIO.2, BIO.3, BIO.4, CH.2, CH.4	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the integumentary system.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify structures, functions, and surgical pathologies of the skeletal system.	English: 12.3	<p><b>Health Science Events</b></p> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <p><b>Teamwork Events</b></p> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the muscular system.	English: 12.3	<p><b>Health Science Events</b></p> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <p><b>Teamwork Events</b></p> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of blood.	English: 12.3	<p><b>Health Science Events</b></p> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <p><b>Teamwork Events</b></p>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the heart.	English: 12.3  History and Social Science: WHII.4	<b>Health Science Events</b>  <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b>  <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of blood vessels and blood circulation.	English: 12.3  History and Social Science: WHII.4	<b>Health Science Events</b>  <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b>  <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the lymphatic system, including immunity.	English: 12.3	<b>Health Science Events</b>  <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ HOSA Bowl</li> <li><b>Emergency Preparedness Events</b></li> <li>○ Epidemiology</li> </ul>
Identify the structures, functions, and surgical pathologies of the respiratory system.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the gastrointestinal system.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <b>Teamwork Events</b> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the endocrine system.	English: 12.3	<b>Health Science Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> <li><b>Teamwork Events</b></li> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the reproductive system.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> <li><b>Teamwork Events</b></li> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the nervous system.	English: 12.3	<b>Health Science Events</b> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> <li><b>Teamwork Events</b></li> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the urinary system.	English: 12.3	<b>Health Science Events</b>



<b>Task</b>	<b>SOL Correlations</b>	<b>HOSA Competitive Events (High School)</b>
		<ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <p><b>Teamwork Events</b></p> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
Identify the structures, functions, and surgical pathologies of the sensory system.	English: 12.3	<p><b>Health Science Events</b></p> <ul style="list-style-type: none"> <li>○ Knowledge Test: Pathophysiology</li> </ul> <p><b>Teamwork Events</b></p> <ul style="list-style-type: none"> <li>○ HOSA Bowl</li> </ul>
<b>Understanding Pharmacology</b>		
Calculate medication conversions and dosages.	Mathematics: A.1	<p><b>Health Science Events</b></p> <ul style="list-style-type: none"> <li>○ Medical Math</li> </ul>
Apply general terminology to medication use.		<p><b>Health Science Events</b></p> <ul style="list-style-type: none"> <li>○ Medical Terminology</li> </ul>
Handle medications and solutions.		<b>Health Science Events</b>

Task	SOL Correlations	HOSA Competitive Events (High School)
		<ul style="list-style-type: none"> <li>○ Knowledge Test: Pharmacology</li> </ul> <p><b>Health Professions Events</b></p> <ul style="list-style-type: none"> <li>○ Clinical Specialty</li> </ul>