

Standards Correlations

Respiratory Therapy II (8373)

Task	SOL Correlations	HOSA Events
Demonstrating Personal Qualities and Abilities		
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> <p>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</p>	

Task	SOL Correlations	HOSA Events
	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	
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	

Task	SOL Correlations	HOSA Events
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, 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	

Task	SOL Correlations	HOSA Events
	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*	

Task	SOL Correlations	HOSA Events
	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 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	

Task	SOL Correlations	HOSA Events
	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 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	

Task	SOL Correlations	HOSA Events
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	

Task	SOL Correlations	HOSA Events
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 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		

Task	SOL Correlations	HOSA Events
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.		
Examining Biological Factors in Respiratory Therapy		
Summarize cell theory of human biology.	English: 12.5 Science: BIO.3	Health Science Events: Knowledge Test: Human Growth and Development Teamwork Events: HOSA Bowl
Analyze physical factors that have an impact on the patient's respiratory status.	English; 12.5	Health Science Events: Medical Spelling Medical Terminology
Describe the physical and biological factors that have an influence on respiratory status.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology

Task	SOL Correlations	HOSA Events
Describe the transmission and prevention of infectious diseases associated with respiratory therapy.	English: 12.5 Science: BIO.4	Teamwork Events: Health Education Public Service Announcement Emergency Preparedness Events: Epidemiology Public Health
Describe diseases associated with pulmonary anatomy.	English: 12.5 Science: BIO.4	Health Science Events: Knowledge Test: Pathophysiology Teamwork Events: Community Awareness Forensic Medicine Health Education Public Service Announcement Emergency Preparedness Events: Public Health
Describe three acute syndromes and symptoms associated with oxygen therapy.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology
Examining the Practice of Respiratory Therapy		
Describe mathematical units of measure in respiratory care.	English: 12.5	Health Science Events: Medical Math

Task	SOL Correlations	HOSA Events
Differentiate among the various modalities in respiratory care.	English: 12.5	Health Science Events: Medical Terminology Health Profession Events: Clinical Specialty Leadership Events: Medical Photography
Describe the scope of practice for a respiratory therapist.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Medical Math Knowledge Test: Pharmacology Health Professions Events: Clinical Specialty Leadership Events: Medical Photography
Describe types of diagnostic testing.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Health Professions Events: Clinical Specialty
Differentiate among various patient positions.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: HOSA Bowl

Task	SOL Correlations	HOSA Events
Examining Professional Standards for Patient Care		
Describe the basic needs of patients according to Maslow's hierarchy.	English: 12.5	Teamwork Events: HOSA Bowl
Demonstrate interpersonal communication skills and professional courtesy when interacting with patients, family members, and other healthcare workers.		Health Science Events: Knowledge Test: Human Growth and Development Knowledge Test: Transcultural Health Care Teamwork Events: HOSA Bowl
Obtain a clinical history.	English: 12.1	Health Science Events: Medical Spelling Medical Terminology
Demonstrate history taking.		Health Science Events: Medical Spelling Medical Terminology
Assess data in the patient record that pertains to a respiratory therapist's treatment of a patient.	English: 12.5	Health Science Events: Knowledge Test: Human Growth and Development Knowledge Test: Pathophysiology
Demonstrate taking a respiratory therapy patient's vital signs.	English: 12.5, 12.6, 12.7	Health Science Events: Medical Spelling Medical Terminology

Task	SOL Correlations	HOSA Events
Examine safeguards to address the risk factors associated with medical gas therapy in medical imaging.	English: 12.5	Health Science Events: Medical Terminology Health Professions Events: Clinical Specialty Teamwork Events: HOSA Bowl
Outline the chain of infection.	English: 12.5, 12.6, 12.7 Science: BIO.4	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: Health Education HOSA Bowl Emergency Preparedness Events: Epidemiology Public Health
Evaluate chemical and physical asepsis techniques.		Health Science Events: Medical Spelling Medical Terminology Teamwork Events: HOSA Bowl
Outline basic principles of sterile technique.	English: 12.5, 12.6, 12.7	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: HOSA Bowl

Task	SOL Correlations	HOSA Events
Evaluate the respiratory therapy work environment for medical emergency preparedness.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: HOSA Bowl Emergency Preparedness Events: MRC Partnership
Identify various complications that can result from the use of pharmacologic agents in respiratory therapy.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Medical Math Knowledge Test: Pharmacology Teamwork Events: HOSA Bowl
Identify signs and symptoms of respiratory distress.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Knowledge Test: Pathophysiology Teamwork Events: HOSA Bowl
Differentiate among the classes of medication used in respiratory care.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Knowledge Test: Pharmacology Teamwork Events: HOSA Bowl

Task	SOL Correlations	HOSA Events
Describe acquisition, documentation, and distribution procedures related to pharmacologic administration.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Medical Math Knowledge Test: Pharmacology Teamwork Events: HOSA Bowl
Exploring Careers in Respiratory Therapy		
Examine laws and regulations related to respiratory care.	English: 12.5 History and Social Science: GOVT.7, GOVT.8	Health Science Events: Knowledge Test: Medical Law and Ethics
Prepare a sample application and associated forms for licensure.	English: 12.5, 12.6, 12.7 History and Social Science: VUS.14; GOVT.7, GOVT.8, GOVT.9	Leadership Events: Interviewing Skills Job-Seeking Skills
Research requirements for continuing education and specializations in respiratory therapy.	English: 12.5, 12.8	Recognition: Health Care Issues Exam
Describing the Opioid Crisis		
Describe the history and current state of the opioid crisis in the United States.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: Creative Problem Solving Public Service Announcement

Task	SOL Correlations	HOSA Events
Describe the history and current state of the opioid crisis in Virginia.	English: 12.5, 12.8	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: Creative Problem Solving Public Service Announcement
Define the pharmacological components and common uses of opioids.	English: 12.3, 12.8	Health Science Events: Medical Spelling Medical Terminology Knowledge Test: Pharmacology Health Professions Events: Clinical Nursing
Examining Key Factors of Drug Addiction		
Examine the science of addiction.	English: 12.5	
Explain prevention and early intervention strategies.	English: 12.5, 12.8	
Identify addiction and its behavioral elements, as defined by the Diagnostic and Statistical Manual of Mental Disorders (DSM-5).	English: 12.5	Health Science Events: Knowledge Test: Behavioral Health Knowledge Test: Medical Law and Ethics Health Professions Events: Clinical Nursing
Describe the treatment models of addiction therapy.	English: 12.5	Health Science Events: Knowledge Test: Behavioral Health Knowledge Test: Medical Law and Ethics

Task	SOL Correlations	HOSA Events
		Health Professions Events: Clinical Nursing
Describe the medication management antidote used to prevent fatal opioid overdoses.	English: 12.5, 12.8	Health Science Events: Medical Spelling Medical Terminology Knowledge Test: Pharmacology
Understanding Pain Management Protocols		
Explain the science of physiological and mental pain.	English: 12.3, 12.5	Health Science Events: Knowledge Test: Nutrition Knowledge Test: Transcultural Health Care Teamwork Events: Community Awareness Creative Problem Solving HOSA Bowl
Describe the diagnostic tools used in developing pain management plans.	English: 12.5	Health Science Events: Knowledge Test: Nutrition Knowledge Test: Transcultural Health Care Teamwork Events: Community Awareness Creative Problem Solving HOSA Bowl
Describe pain treatment options available to various populations of patients.	English: 12.5, 12.8	Health Science Events: Knowledge Test: Nutrition Knowledge Test: Transcultural Health Care Teamwork Events: Community Awareness Creative Problem Solving HOSA Bowl

Task	SOL Correlations	HOSA Events
Describe the effects of opioid dependency on the human body systems.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: HOSA Bowl
Explain the mechanism and physical effects of opioids on the human body.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Teamwork Events: HOSA Bowl
Explain the use of opioids in practice settings, the role of opioids in pain management, and risk factors associated with the use of the medication.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Knowledge Test: Pharmacology Teamwork Events: Creative Problem Solving HOSA Bowl
Describe the withdrawal and tapering side effects of opioid use.	English: 12.5	Health Science Events: Knowledge Test: Pharmacology Health Professions Events: Clinical Nursing
Describe storage and disposal options for opioids.	English: 12.5, 12.8	Health Science Events: Knowledge Test: Pharmacology Health Professions Events: Clinical Nursing

Task	SOL Correlations	HOSA Events
Explain community resources for education about opioid use.	English: 12.5	Health Science Events: Knowledge Test: Pharmacology Health Professions Events: Clinical Nursing
Working with Patients and Caregivers		
Describe key communication topics involving opioids for patients.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Health Professions Events: Clinical Nursing
Describe communication topics for caregivers and family members.	English: 12.5	Health Science Events: Medical Spelling Medical Terminology Health Professions Events: Clinical Nursing