

Vocational Studies: Theory and Applied Skills

Stage 1 Desired Results		
<p>ESTABLISHED GOALS:</p> <p><u>Competencies:</u></p> <ul style="list-style-type: none"> Students will demonstrate the ability to safely and properly select, use and maintain equipment, materials, and processes in order to avoid injury and harm. Students will demonstrate the ability to effectively plan and complete a project in order to develop a solid work ethic, and to accept individual responsibility. Students will demonstrate the ability to apply critical thinking and problem solving in order to meet given expectations. Students will demonstrate the ability to analyze and summarize text and integrate knowledge to make meaning of discipline-specific materials. Students will demonstrate the ability to produce coherent and supported writing in order to communicate effectively for a range of discipline-specific tasks, purposes, and audiences. Students will demonstrate the ability to speak purposefully and effectively by strategically making decisions about content, language use, and discourse style. <p><u>Content Standards</u> New Hampshire Vocational Curriculum guide</p> <ul style="list-style-type: none"> Standard 1: Students will develop an understanding of the characteristics and scope of technology. Standard 2: Students will develop an understanding of the core concepts of technology. Standard 9: Students will develop an understanding of engineering design. Standard 10: Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving. Standard 12: Students will develop the abilities to use and maintain technological products and systems. Standard 13: Students will develop the abilities to assess the impact of products and systems. Standard 16: Students will develop an understanding of and be able to select and use energy and power technologies. Standard 17: Students will develop an understanding of and be able to select and use information and communication technologies. Standard 18: Students will develop an understanding of and 	<i>Transfer</i>	
	Students will be able to independently use their learning to make informed decisions surrounding vocational pathways.	
	<i>Meaning</i>	
	<p>ENDURING UNDERSTANDINGS <i>Students will understand that...</i></p> <ul style="list-style-type: none"> that technology has a specific role in the workplace and in society. accuracy will affect the outcome of a project. there are specific tools and techniques that vary depending on the course of study. creative, critical thinking, and problem solving skills are needed to function successfully as both global citizen and workers in diverse ethnic and organizational cultures. 	<p>ESSENTIAL QUESTIONS</p> <ul style="list-style-type: none"> Which vocation is the most important in society? Will this vocation still be the most important in 10 years?
	<i>Acquisition</i>	
<p><i>Students will know...</i></p> <ul style="list-style-type: none"> the talents, aptitudes and interests that lead to success in technical occupations. the career opportunities and requirements of technical occupations. that a technological world requires information to be found and communicated effectively. the relationship between academic concepts and the application of them in a technological setting. that technology has had an impact on society over time. that technological systems and processes have developed to satisfy human needs and wants. that responsibility, planning and work ethic are vital to working effectively. <p><u>vocabulary:</u> Trade specific vocabulary: may include</p>	<p><i>Students will be skilled at...</i></p> <ul style="list-style-type: none"> making educated decisions towards their future in the vocational area.. troubleshooting, researching, developing, innovating, experimenting and problem solving to complete tasks. demonstrating an awareness of career opportunities and requirements needed to make informed and meaningful choices in their education/employment in technical occupations. demonstrating those technical skills needed to find, use and communicate information effectively in a technological world. Demonstrating basic trade specific techniques and processes. For example may include but not limited to: Sweating a plumbing joint, 	

<ul style="list-style-type: none"> be able to select and use transportation technologies. Standard 19: Students will develop an understanding of and be able to select and use manufacturing technologies Standard 20: Students will develop an understanding of and be able to select and use construction technologies. 	<p>but not limited to: Plumbing, carpentry, electrical, welding, automotive repair.</p>	<p>changing a tire, wiring a simple circuit, constructing a wall.</p> <ul style="list-style-type: none"> Students will have an understanding of the core concepts of technology. Students will develop an understanding of and be able to select and use construction technologies. accepting individual responsibility, developing a solid work ethic and learning to plan and work effectively
<p>Content Area Literacy Standards</p>		<p>21st Century Skills</p>
<p>RST.9-10.1 Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions. RST.9-10.5 Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., <i>force, friction, reaction force, energy</i>). WHST.9-10.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes. WHST.9-10.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p>		<ul style="list-style-type: none"> <i>Use and manage information</i> <i>Apply technology effectively</i> <i>Be self-directed learners</i> <i>Interact with others</i> <i>Solve problems</i>

Stage 2 - Evidence

Evaluative Criteria	Assessment Evidence
	OTHER EVIDENCE:

Stage 3 – Learning Plan

Summary of Key Learning Events and Instruction

<i>Language Arts Integration</i>	<i>Mathematics Integration</i>
<ul style="list-style-type: none">• 1.OA.1 Use	<ul style="list-style-type: none">• 1.OA.1 Use
<i>Technology Integration</i>	<i>District Materials</i>
<ul style="list-style-type: none">• 1.OA.1 Use	