

Standards: Emergency and Fire Service Management

Career Cluster/Cluster Grouping:	Health Sciences & Public Safety/Law, Public Safety, Corrections and Security
Pathway(s):	Emergency and Fire Services Management
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.01 Execute protocols for handling emergency situations that range from minor medical and fire emergencies to area wide incidents to demonstrate the application and enhancement of key skills used to respond effectively in such incidences. 	
High School Expectations	
Concepts and skills students know include: LWPB09.01.01 Model behaviors that demonstrate application of critical thinking skills use to perform in emergency response situations	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Demonstrate basic emergency response knowledge and skills. RWC02.02.c</p> <p>Apply knowledge of emergency response with training subjects. RWC 02.02.c</p> <p>Use critical thinking skills in addressing emergency situations: RWC 04.10.a</p> <p>Pass written, oral, and practical application tests of emergency situations RWC 04.10.c</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems</p> <p>RWC04.10.a - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Analyze the purpose, question at issue, information, points of view, implications and consequences, inferences, assumptions and concepts inherent in thinking</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p>

	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <ol style="list-style-type: none"><li data-bbox="814 267 1864 341">1. Literacy - Employ standard English language properly and fluently in reading, writing, listening, and speaking<li data-bbox="814 381 1864 454">2. Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills
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Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Health Sciences & Public Safety/Law, Public Safety, Corrections and Security
Pathway(s):	Emergency and Fire Services Management
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.01 Execute protocols for handling emergency situations that range from minor medical and fire emergencies to area wide incidents to demonstrate the application and enhancement of key skills used to respond effectively in such incidences. 	
High School Expectations	
LWPB09.01.02. Participate in training and continuing education efforts commonly used to enhance skills necessary to perform effectively in emergency response situations	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Demonstrate correct emergency response skills RWC. 04.09.a</p> <p>Practice emergency response to maintain and upgrade abilities. RWC 02.02.c</p> <p>Assess emergency response training performance based on established criteria. RWC 04.08.a</p> <p>Create customized emergency response training plans RWC 01.01.f</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC01.01.f - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Select appropriate technical or specialized language</p> <p>RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems</p> <p>RWC04.08.a - Research and Reasoning - Informational materials, including electronic sources, need to be collected, evaluated, and analyzed for accuracy, relevance, and effectiveness for answering research questions - Integrate information from different sources to research and complete a project</p>

	<p>RWC04.09.a - Research and Reasoning - Information from primary and secondary sources is used to establish relevance, significance, and accuracy in answering research questions - Examine materials to determine appropriate primary and secondary sources to use for investigating a question, topic, or issue (e.g., library databases, print and electronic encyclopedia and other reference materials, pamphlets, book excerpts, online and print newspaper and magazine articles, letters to an editor, digital forums, oral records, research summaries, scientific and trade journals)</p>
	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Content Knowledge, 1. Literacy – d.) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>III. Creativity and Innovation – e.) Generate, evaluate, and implement new ideas and novel approaches.</p> <p>IV. Communication – c) Read, write, listen and speak effectively</p>

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Pathway(s):	Emergency and Fire Services Management
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.02. Execute operational and repair requirements when using equipment in order to maintain functional equipment ready for use in fire and medical emergency situations. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.02.01. Execute the use of maintenance schedules to keep equipment ready for needed job assignments 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Possess basic knowledge of emergency equipment and its use. RWC02.02.c</p> <p>Repair then return defective equipment to service within established criteria. Write an appropriate equipment maintenance plan. RWC02.02.c</p> <p>Perform preventive maintenance and mitigation techniques. RWC04.10.c</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p>
	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Critical Thinking and Problem Solving –a) Apply logical reasoning and analytical skills</p> <p>II. Learning and Behavior Skills, a) Communication - Read, write, listen and speak effectively</p>

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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety/Law, Public Safety, Corrections and Security
Pathway(s):	Emergency and Fire Services Management
Prepared Completer Competencies: LWPB.03. Examine equipment and summarize the various applications for equipment commonly used in emergency and fire management services in order to ensure one is prepared to use the equipment when needed.	
High School Expectations: LWPB09.03.01. Categorize a variety of ladder trucks, including snorkel, tiller and platform, based upon their application in emergency situations.	
Concepts and skills students know include:	
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Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Identify a ladder truck RWC01.02.d	Academic Content Knowledge Alignment: RWC01.02.d - Oral Expression and Listening - Effective collaborative groups accomplish goals - Participate in the preparations of the group activity or product, defining and assuming individual roles and responsibilities RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem
Illustrate uses of a ladder truck RWC04.10.c	
Operate a ladder truck correctly. RWC01.02.d	
Identify a tiller truck RWC02.02.c	
Identify a platform truck RWC02.02.c	
List the uses of a platform truck. RWC04.10.c	

<p>Compare and contrast various firefighting vehicles RWC04.10.c</p>	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Content Knowledge, 1. Literacy . a) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>I. Content Knowledge , Mathematical Sciences d) Apply knowledge of mathematics to problem solve, analyze issues, and make critical decisions that arise in everyday life</p> <p>II. Learning and Behavior Skills, 1. Critical Thinking and Problem Solving a) Apply logical reasoning and analytical skills</p> <p>II. Learning and Behavior Skills, 8 Communication – a) Read, write, listen and speak effectively</p> <p>II. Learning and Behavior Skills,9. Collaboration –a) Work effectively with others</p>
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Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.03. Examine equipment and summarize the various applications for equipment commonly used in emergency and fire management services in order to ensure one is prepared to use the equipment when needed. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.03.02. Categorize a variety of pumpers, including standard and quint, based upon their application in emergency situations. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Identify a standard pumper. RWC04.10.c</p> <p>Illustrate uses of standard pumper. RWC02.02.c</p> <p>Use standard pumper correctly. MAT01.02.a & RWC01.02.d</p> <p>Identify a quint pumper. RWC04.10.c</p> <p>Describe uses of quint pumper. RWC.02.02.c</p> <p>Operate a quint pumper correctly. MAT01.02.a & RWC 01.02.d</p>	<p>Academic Content Knowledge Alignment:</p> <p>MAT01.02.a - Number Sense, Properties, and Operations - Formulate, represent, and use algorithms with real numbers flexibly, accurately, and efficiently. - Use appropriate computation methods that encompass estimation and calculation.</p> <p>RWC01.02.d - Oral Expression and Listening - Effective collaborative groups accomplish goals - Participate in the preparations of the group activity or product, defining and assuming individual roles and responsibilities</p> <p>RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require</p>

	<p>high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p>
	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Content Knowledge, 1. Literacy. a) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>I. Content Knowledge , Mathematical Sciences d) Apply knowledge of mathematics to problem solve, analyze issues, and make critical decisions that arise in everyday life</p> <p>II. Learning and Behavior Skills, 1. Critical Thinking and Problem Solving a) Apply logical reasoning and analytical skills</p> <p>II. Learning and Behavior Skills, 8 Communication – a) Read, write, listen and speak effectively</p> <p>II. Learning and Behavior Skills,9. Collaboration –a) Work effectively with others</p>

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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.03. Examine equipment and summarize the various applications for equipment commonly used in emergency and fire management services in order to ensure one is prepared to use the equipment when needed. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.03.02. Categorize a variety of pumpers, including standard and quint, based upon their application in emergency situations. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Identify a standard pumper. RWC04.10.c</p> <p>Illustrate uses of standard pumper. RWC02.02.c</p> <p>Use standard pumper correctly. MAT01.02.a & RWC01.02.d</p> <p>Identify a quint pumper. RWC04.10.c</p> <p>Describe uses of quint pumper. RWC.02.02.c</p> <p>Operate a quint pumper correctly. MAT01.02.a & RWC 01.02.d</p>	<p>Academic Content Knowledge Alignment:</p> <p>MAT01.02.a - Number Sense, Properties, and Operations - Formulate, represent, and use algorithms with real numbers flexibly, accurately, and efficiently. - Use appropriate computation methods that encompass estimation and calculation.</p> <p>RWC01.02.d - Oral Expression and Listening - Effective collaborative groups accomplish goals - Participate in the preparations of the group activity or product, defining and assuming individual roles and responsibilities</p> <p>RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require</p>

	<p>high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p> <p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I.Content Knowledge, 1. Literacy. a) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>I. Content Knowledge , Mathematical Sciences d) Apply knowledge of mathematics to problem solve, analyze issues, and make critical decisions that arise in everyday life</p> <p>II. Learning and Behavior Skills, 1. Critical Thinking and Problem Solving a) Apply logical reasoning and analytical skills</p> <p>II. Learning and Behavior Skills, 8 Communication – a) Read, write, listen and speak effectively</p> <p>II., Learning and Behavior Skills,9. Collaboration –a) Work effectively with others</p>
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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.03. Examine equipment and summarize the various applications for equipment commonly used in emergency and fire management services in order to ensure one is prepared to use the equipment when needed. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.03.03. Categorize a variety of special units, including cascade, light tower, rescue, command post, heavy rescue, and brush truck based upon their operational guidelines and purpose in emergency situations. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Identify a cascade unit RWC02.02.c	Academic Content Knowledge Alignment: RWC02.02.c - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Obtain and use information from text and text features (index, bold or italicized text, subheadings, graphics) to answer questions, perform specific tasks, or identify and solve problems
Explain purpose of cascade unit. RWC02.02.c	
Identify a light tower. RWC02.02.c	Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): I. Content Knowledge, 1. Literacy . a) Employ standard English language properly and fluently in reading, writing, listening, and speaking II. Learning and Behavior Skills, 1. Critical Thinking and Problem Solving a) Apply logical reasoning and analytical skills II. Learning and Behavior Skills, 8 Communication – a) Read, write, listen and speak effectively
Explain purpose of light tower. RWC02.02.c	
Identify a rescue unit RWC02.02.c	
Explain purpose of rescue unit. RWC02.02.c	
Identify a command post RWC02.02.c	

<p>Explain purpose of command post. RWC02.02.c</p> <p>Identify a heavy rescue. RWC02.02.c</p> <p>Explain purpose of heavy rescue. RWC02.02.c</p> <p>Identify a brush truck. RWC02.02.c</p> <p>Explain purpose of a brush truck. RWC02.02.c</p> <p>Compare and contrast the various pieces of equipment mentioned above RWC02.02.c</p>	
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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.04. Design and implement an appropriate Incident Command System in order to ensure the effective management of logistical procedures at an incident scene. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.04.01. Synthesize and implement an action plan that defines and adequately evaluates the elements of an emergency scene. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Analyze what is involved at fire scene that may have contributed to incident. RWC01.07.b</p> <p>Analyze fire scene for possible strategic approaches RWC01.02.d.</p> <p>Notify appropriate public safety agencies for support RWC04.10.c</p> <p>Formulate an action plan RWC04.10.c</p> <p>Implement action plan. RWC01.01.e</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC01.01.e - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Choose specific words and word order for intended effect and meaning</p> <p>RWC01.02.d - Oral Expression and Listening - Effective collaborative groups accomplish goals - Participate in the preparations of the group activity or product, defining and assuming individual roles and responsibilities</p> <p>RWC01.07.b - Oral Expression and Listening - Oral presentations require effective preparation strategies - Use verbal and nonverbal techniques to communicate information</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p>

	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>PWRI.1.b-Postsecondary & Workforce Readiness, Content Knowledge , Literacy - Write clearly and coherently for a variety of purposes and audiences</p> <p>PWRI.1.e-Postsecondary & Workforce Readiness, Content Knowledge , Literacy - Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>PWRII.1.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills</p> <p>PWRII.6.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Work Ethic - Plan and prioritize goals</p> <p>PWRII.8.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Communication - Read, write, listen and speak effectively</p>
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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.04. Design and implement an appropriate Incident Command System in order to ensure the effective management of logistical procedures at an incident scene. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.04.02. Establish a prioritization system to guide actions during implementation of an action plan in the event of an emergency. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Select an appropriate action plan RWC01.02.d Select equipment needed. RWC02.04.a. Determine mitigation effectiveness RWC04.10.d Explain importance of establishing priorities RWC01.05.d	Academic Content Knowledge Alignment: RWC01.02.d - Oral Expression and Listening - Effective collaborative groups accomplish goals - Participate in the preparations of the group activity or product, defining and assuming individual roles and responsibilities RWC02.04.a - Reading for All Purposes - Ideas synthesized from informational texts serve a specific purpose - Designate a purpose for reading expository texts and use new learning to complete a specific task (such as convince an audience, shape a personal opinion or decision, or perform an activity) RWC04.10.d - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Monitor and reflect on the rationale for, and effectiveness of, choices made throughout the problem-solving process RWC01.05.d - Oral Expression and Listening - Content that is gathered carefully and organized well successfully influences an audience - Make decisions about how to

	<p>establish credibility and enhance appeal to the audience</p>
	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): PWR1.1.b-Postsecondary & Workforce Readiness, Content Knowledge , Literacy - Write clearly and coherently for a variety of purposes and audiences</p> <p>PWR1.1.e-Postsecondary & Workforce Readiness, Content Knowledge , Literacy - Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>PWR2.1.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills</p> <p>PWR2.6.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Work Ethic - Plan and prioritize goals</p> <p>PWR2.8.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Communication - Read, write, listen and speak effectively</p>

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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.04. Design and implement an appropriate Incident Command System in order to ensure the effective management of logistical procedures at an incident scene. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.04.03. Execute steps involved in managing logistical procedures at the incident 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Identify and differentiate between each piece of equipment used. RWC04.10.c	Academic Content Knowledge Alignment: RWC03.03.a - Writing and Composition - Standard English conventions effectively communicate to targeted audiences and purposes - Follow the conventions of Standard English to write varied, strong, correct, complete sentences RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): Postsecondary & Workforce Readiness, I Content Knowledge , Literacy –d) Employ standard English language properly and fluently in reading, writing, listening, and speaking Learning and Behavior Skills, 1.Critical Thinking and Problem Solving –d) Collect and
Return each piece of equipment to service. RWC03.03.a	
Compose incident reports RWC03.03.a	

	<p>analyze quantitative and qualitative data and research</p> <p>Learning and Behavior Skills, 6. Work Ethic –c) Take initiative, and follow through</p> <p>Learning and Behavior Skills, 8. Communication –a) Read, write, listen and speak effectively</p>
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Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.05. Recognize materials as hazardous using common codes and icons used in the fire and emergency management environment in order to properly handle potentially hazardous materials 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09/05.03. Analyze reference material and catalogs to identify a list of different types of Haz/mat responders that may be utilized in emergency situations. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Differentiate among three levels of haz/mat certification (operations, technician, and specialist). RWC02.08.d Analyze privately owned and governmental based haz/mat clean-up teams. RWC04.10.c	Academic Content Knowledge Alignment: RWC02.08.d - Reading for All Purposes - Increasingly complex informational texts require mature interpretation and study - Use flexible reading and note-taking strategies (outlining, mapping systems, skimming, scanning, key word search) to organize information and make connections within and across informational texts RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem
	Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): I Content Knowledge, 1. Literacy –d) Access and use primary and secondary sources to explain questions being researched II. Learning and Behavior Skills, 1. Critical Thinking and Problem Solving – a) Apply logical reasoning and analytical skills

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Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.06. Analyze and summarize hazardous materials transportation modes in order to assure the safe transport of substances from fire and medical emergency scenes. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.06.01. Summarize the various modes of transportation for hazardous materials. 	
Evidence Outcomes	21st Century Skills and Readiness Competencies
Students can:	
Describe the various means of hazardous materials transportation RWC02.02.a	Academic Content Knowledge Alignment: RWC01.07.b - Oral Expression and Listening - Oral presentations require effective preparation strategies - Use verbal and nonverbal techniques to communicate information RWC02.02.a - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Use reading and note-taking strategies (outlining, mapping systems, skimming, scanning, key word search) to organize information and make connections within and across informational texts
State the minimum pounds of hazardous materials that can be transported without being labeled RWC02.02.a	
Demonstrate the safety procedures required to transport selected haz/mat. RWC01.07.b	Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): II. Learning and Behavior Skills, 1. Critical Thinking and problem Solving – a) Apply logical reasoning and analytical skills II. Learning and Behavior Skills,3. Creativity and Innovation – b) Generate, evaluate, and implement new ideas and novel approaches
Plan and designate haz/mat routes. RWC02.02.a	

	<p>II. Learning and Behavior Skills, 6. Work Ethic – a) Plan and prioritize goals</p> <p>II. Learning and Behavior Skills, 8. Communication – a) Read, write, listen and speak effectively</p> <p>II. Learning and Behavior Skills, 8. Communication – b) Construct clear, coherent, and persuasive arguments</p> <p>II. Learning and Behavior Skills,9. Collaboration –c) Cooperate for a common purpose</p>
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Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.07 Implement public relations plans involving key community audiences and the local fire and emergency management service facilities in order to enhance public awareness and safety in fire and emergency situations. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.07.01 Examine facilities to identify opportunities for implementation of a tour program 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Develop a tour program RWC01.01.f	<p>Academic Content Knowledge Alignment:</p> <p>RWC01.01.f - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Select appropriate technical or specialized language</p> <p>RWC03.02.b - Writing and Composition - Ideas, evidence, structure, and style create persuasive, academic, and technical texts for particular audiences and specific purposes - Select appropriate and relevant information (excluding extraneous details) to set context</p>
Prepare handout materials for tour groups. RWC03.02.b	
	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Content Knowledge, 1. Literacy –e) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>II. Learning and Behavior Skills, 3. Creativity and Innovation –b) Generate, evaluate, and implement new ideas and novel approaches</p> <p>II. Learning and Behavior Skills,5. Civic Responsibility –a). Recognize the value of</p>

	<p>civic engagement and its role in a healthy democracy and civil society</p> <p>II. Learning and Behavior Skills, 6. Work Ethic –f) Act with maturity, civility, and politeness</p> <p>II. Learning and Behavior Skills, 7. Personal Responsibility – c) Behave honestly and ethically</p> <p>II. Learning and Behavior Skills, 8. Communication –a) Read, write, listen and speak effectively</p>
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Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.07 Implement public relations plans involving key community audiences and the local fire and emergency management service facilities in order to enhance public awareness and safety in fire and emergency situations. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.07.02. Develop a public relations program for local fire and emergency management service facilities that reaches out to key audiences such as elementary and secondary school students. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Develop an elementary school program including fire prevention and fire safety topics. RWC01.01.b	<p>Academic Content Knowledge Alignment:</p> <p>RWC01.01.b - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Identify a central idea or thesis, organize ideas, and develop a speech for an intended purpose and audience</p> <p>RWC01.01.c - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Use examples, illustrations, graphics, quotations, analogies, facts, and statistics to focus and support the content of a presentation</p> <p>RWC01.01.d - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Use grammar and vocabulary appropriate for the situation, audience, topic, and purpose</p>
Implement an elementary school program including fire prevention and fire safety topics. RWC01.01.c, e	
Develop a secondary school program including fire prevention and fire safety topics. RWC01.01.d	
Implement a secondary school program including fire prevention and fire safety topics. RWC01.01.c, e	

<p>Participate in question and answer sessions to increase knowledge regarding fire safety and prevention. RWC01.06.e</p>	<p>RWC01.01.e - Oral Expression and Listening - Effective speaking in formal and informal settings requires appropriate use of methods and audience awareness - Choose specific words and word order for intended effect and meaning</p> <p>RWC01.06.e - Oral Expression and Listening - Effectively operating in small and large groups to accomplish a goal requires active listening - Support others in discussions, activities, and presentations through active listening</p> <hr/> <p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Content Knowledge, 1. Literacy – b) Write clearly and coherently for a variety of purposes and audiences</p> <p>I. Content Knowledge, 1. Literacy –b) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>PWR II. Content Knowledge , 4’ Social Studies and Social Sciences –d) Understand how government works in the United States and in other countries, the varying roles individuals may play in society, and the nature of civic responsibility</p> <p>II. Learning and Behavior Skills, 5. Civic Responsibility –a) Recognize the value of civic engagement and its role in a healthy democracy and civil society</p>
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Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.08. Recommend special operation rescue teams to address situations with unusual needs in order to demonstrate the ability to recognize emergencies that have unusual conditions. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.08.01 State factors that characterize emergencies where special operations units/teams are needed. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Identify emergencies when a special operations team would be needed. RWC04.09.a</p> <p>Identify the appropriate certifications needed. RWC04.10.c</p> <p>Identify appropriate gear used for unusual emergencies. RWC04.10.c</p> <p>Describe components of special operations unit. RWC04.10.c.</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC04.09.a - Research and Reasoning - Information from primary and secondary sources is used to establish relevance, significance, and accuracy in answering research questions - Examine materials to determine appropriate primary and secondary sources to use for investigating a question, topic, or issue (e.g., library databases, print and electronic encyclopedia and other reference materials, pamphlets, book excerpts, online and print newspaper and magazine articles, letters to an editor, digital forums, oral records, research summaries, scientific and trade journals)</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p>

	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>I. Content Knowledge,1. Literacy –e) Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>II Learning and Behavior Skills, 1. Critical Thinking and Problem Solving – c) Apply logical reasoning and analytical skills</p> <p>II. Learning and Behavior Skills, 1. Critical Thinking and Problem Solving – d) Collect and analyze quantitative and qualitative data and research</p> <p>II. Learning and Behavior Skills,8. Communication – a).Read, write, listen and speak effectively</p>
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Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Health Sciences & Public Safety
Pathway(s):	Fire Science
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.09 Examine and summarize the various elements and issues involved in using Preparedness and Response Systems during disaster situations in order to demonstrate understanding of the systems available for managing large scale disasters. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.09.01 Summarize the national elements of the preparedness system. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
List key elements of the National Response Plan. RWC02.08.d	Academic Content Knowledge Alignment: RWC02.08.d - Reading for All Purposes - Increasingly complex informational texts require mature interpretation and study - Use flexible reading and note-taking strategies (outlining, mapping systems, skimming, scanning, key word search) to organize information and make connections within and across informational texts
List key elements of National Incident Management System (NIMS) RWC02.08.d	
Compare and contrast the National Response Plan to the NIMS. RWC02.08.d	Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): I. Content Knowledge, 1. Literacy – e) Employ standard English language properly and fluently in reading, writing, listening, and speaking II. Learning and Behavior Skills, 3. Creativity and Innovation – b) Generate, evaluate, and implement new ideas and novel approaches

Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Law, Public Safety, Corrections and Security Cluster
Pathway(s):	Emergency and Fire Management Services
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.09 Examine and summarize the various elements and issues involved in using Preparedness and Response Systems during disaster situations in order to demonstrate understanding of the systems available for managing large scale disasters. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.09.2. Summarize the elements of the Incident Command System (ICS) 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>State the overall objectives of the ICS. RWC01.07.b</p> <p>Describe the primary functions of the ICS' RWC02.04.e</p> <p>Compare and contrast the typical agencies that are involved in the ICS.RWC02.02.a</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC01.07.b - Oral Expression and Listening - Oral presentations require effective preparation strategies - Use verbal and nonverbal techniques to communicate information</p> <p>RWC02.04.e - Reading for All Purposes - Ideas synthesized from informational texts serve a specific purpose - Explain nuances and connotations of particular words and sentences, and draw conclusions about author's intent as well as potential impact on an audience</p> <p>RWC02.02.a - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Use reading and note-taking strategies (outlining, mapping systems, skimming, scanning, key word search) to organize information and make connections within and across informational texts</p>

	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...):</p> <p>PWR1.1.b-Postsecondary & Workforce Readiness, Content Knowledge , Literacy - Write clearly and coherently for a variety of purposes and audiences</p> <p>PWR1.1.e-Postsecondary & Workforce Readiness, Content Knowledge , Literacy - Employ standard English language properly and fluently in reading, writing, listening, and speaking</p> <p>PWR2.8.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Communication - Read, write, listen and speak effectively</p>
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Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Law, Public Safety, Corrections and Security Cluster
Pathway(s):	Emergency and Fire Management Services
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.09. Examine and summarize the various elements and issues involved in using Preparedness and Response Systems during disaster situations in order to demonstrate understanding of the systems available for managing large scale disasters. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.09. 03. Summarize the roles of emergency/first responders in Preparedness and Response Systems during and after disaster situations. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
Plan the types of first responders one normally would find at a variety of disaster scenes and their roles. RWC02.02.a	Academic Content Knowledge Alignment: RWC02.02.a - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Use reading and note-taking strategies (outlining, mapping systems, skimming, scanning, key word search) to organize information and make connections within and across informational texts
Explain the typical command structure. RWC02.02.a	
Describe the role of fire and emergency services in the ICS. RWC02.02.a.	Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): PWR2.1.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills PWR1.4.c-Postsecondary & Workforce Readiness, Content Knowledge , Social Studies and Social Sciences - Build conceptual frameworks based on an understanding of themes and the overall flow of events

Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Law, Public Safety, Corrections and Security Cluster
Pathway(s):	Emergency and Fire Management Services
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.10. Examine and summarize the key functions and techniques of critical infrastructure protection in order to assure protection of potential targets for terrorism and/or natural disasters. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.10.01. Summarize the concept of critical infrastructure protection 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Evaluate the sectors that are considered as critical infrastructure. RWC03.02.b</p> <p>Describe how the crippling of one infrastructure might affect others. RWC01.07.b</p> <p>Analyze the role of critical infrastructure protection. RWC02.02.b</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC01.07.b - Oral Expression and Listening - Oral presentations require effective preparation strategies - Use verbal and nonverbal techniques to communicate information</p> <p>RWC02.02.b - Reading for All Purposes - Interpreting and evaluating complex informational texts require the understanding of rhetoric, critical reading, and analysis skills - Use semantic cues, signal words, and transitions to identify text structures (such as critique, proposition/support, inductive/deductive) and to summarize central ideas and supporting details</p> <p>RWC03.02.b - Writing and Composition - Ideas, evidence, structure, and style create persuasive, academic, and technical texts for particular audiences and specific purposes - Select appropriate and relevant information (excluding extraneous details) to set context</p>

	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): PWR2.1.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills</p> <p>PWR1.4.c-Postsecondary & Workforce Readiness, Content Knowledge , Social Studies and Social Sciences - Build conceptual frameworks based on an understanding of themes and the overall flow of events</p>
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Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Law, Public Safety, Corrections and Security Cluster
Pathway(s):	Emergency and Fire Management Services
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.10. Examine and summarize the key functions and techniques of critical infrastructure protection in order to assure protection of potential targets for terrorism and/or natural disasters. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.10.2. Summarize the key infrastructure protection tactics for protecting potential targets of terrorists. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Identify one or more potential targets of terrorists in the community or region. RWC04.08.a, RWC04.10.c</p> <p>Identify actual or potential vulnerabilities of a potential terrorist target, through a vulnerability assessment. RWC04.04.a, RWC04.10.c</p> <p>Develop a general plan for protecting the possible target RWC04.06.b, RWC04.10.c</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC04.04.a - Research and Reasoning - Complex situations require critical thinking across multiple disciplines - Analyze the logic of complex situations by questioning the purpose, question at issue, information, points of view, implications and consequences inferences, assumptions and concepts</p> <p>RWC04.06.b - Research and Reasoning - Collect, analyze, and evaluate information obtained from multiple sources to answer a question, propose solutions, or share findings and conclusions - Formulate research questions that are clear and precise</p> <p>RWC04.08.a - Research and Reasoning - Informational materials, including electronic sources, need to be collected, evaluated, and analyzed for accuracy, relevance, and effectiveness for answering research questions - Integrate information from different sources to research and complete a project</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a</p>

	problem
	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): PWR2.1.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills</p> <p>PWR1.4.c-Postsecondary & Workforce Readiness, Content Knowledge , Social Studies and Social Sciences - Build conceptual frameworks based on an understanding of themes and the overall flow of events</p>

Standards: Emergency and Fire Management Services

Career Cluster/Cluster Grouping:	Law, Public Safety, Corrections and Security Cluster
Pathway(s):	Emergency and Fire Management Services
Prepared Completer Competencies:	
<ul style="list-style-type: none"> LWPB09.10. Examine and summarize the key functions and techniques of critical infrastructure protection in order to assure protection of potential targets for terrorism and/or natural disasters. 	
High School Expectations	
Concepts and skills students know include:	
<ul style="list-style-type: none"> LWPB09.10.03. Summarize the key infrastructure protection tactics for protecting potential targets of natural disaster. 	
Evidence Outcomes Students can:	21st Century Skills and Readiness Competencies
<p>Identify one or more potential targets of natural disasters in the community or region. RWC04.08.a, RWC04.10.c</p> <p>Identify actual or potential vulnerabilities of a possible natural disaster target through a vulnerability assessment RWC 04.03.f, RWC04.10.c</p> <p>Develop a general plan for protecting the potential target. RWC04.08.a; RWC04.10.c</p>	<p>Academic Content Knowledge Alignment:</p> <p>RWC04.03.f - Research and Reasoning - Self-designed research provides insightful information, conclusions, and possible solutions - Document sources of quotations, paraphrases, and other information, using a style sheet, such as that of the Modern Language Association (MLA) or the American Psychological Association (APA)</p> <p>RWC04.08.a - Research and Reasoning - Informational materials, including electronic sources, need to be collected, evaluated, and analyzed for accuracy, relevance, and effectiveness for answering research questions - Integrate information from different sources to research and complete a project</p> <p>RWC04.10.c - Research and Reasoning - Effective problem-solving strategies require high-quality reasoning - Implement a purposeful and articulated process to solve a problem</p>

	<p>Learning & Behavioral Skills (Inquiry, Application in Society & Technology & Nature of...): PWR2.1.a-Postsecondary & Workforce Readiness, Learning and Behavior Skills, Critical Thinking and Problem Solving - Apply logical reasoning and analytical skills</p> <p>PWR1.4.c-Postsecondary & Workforce Readiness, Content Knowledge , Social Studies and Social Sciences - Build conceptual frameworks based on an understanding of themes and the overall flow of events</p>
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