

# *Wallenpaupack Area School District*

**COURSE:** Introduction To Medical Occupations

**GRADE LEVEL:** 9th & 10th

**LENGTH OF COURSE:** 90 days/year

**TEXT:** Diversified Health Occupations

**PUBLISHER:** Delmar Publishers

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**COURSE DESCRIPTION:**

This course focuses on exploring health care careers, through study and interaction with a variety of guest speakers from the health care community. In addition body systems and basic health care provider skills are included. "Hands-on" work in the classroom laboratory involves first aid measures, measuring vital signs, and patient interaction and communication role-play

**CURRICULUM WRITING TEAM:**

Karen Beilman

**DATE OF REVISION:**

2007

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9<sup>th</sup> & 10<sup>th</sup>

**Unit:** Ethical/Legal Responsibilities

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

|   |   |
|---|---|
| <b>Topics:</b>  | <b>Skills:</b>  |
| <p>Legal Responsibilities<br/>Ethics<br/>Patients' Rights<br/>Legal Directives for Health Care<br/>Professional Standards</p>     | <p>Explain and give example of each: malpractice, negligence, assault, battery, invasion of privacy, false imprisonment, abuse and defamation<br/>Define privileged communications<br/>Identify the legal regulations that apply to health care records<br/>Explain basic rules of ethics for health care personnel<br/>Identify six patient rights<br/>Explain how professional standards help meet ethical/legal requirements</p> |
| <b>Activities:</b>  | <b>Performance Assessments:</b>   |
| <p>Study guide<br/>Cooperative learning<br/>Oral Presentations<br/>Writing activities<br/>Skits<br/>Case Studies<br/>Projects</p> | <p>Oral Questioning<br/>Projects<br/>Presentations<br/>Unit Test</p>  |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Personal Qualities of a Health Care Worker

**PA Standards:** 13.1 A  
13.1.E  
13.2 B  
13.2.D  
13.2.G

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|---|--|
| <b>Topics:</b>  | <b>Skills:</b>   |
| <ul style="list-style-type: none"> <li>Personal Characteristics</li> <li>Personal Appearance</li> <li>Good Health</li> <li>Professional Appearance</li> <li>*Uniform</li> <li>*Clothing</li> <li>*Name Badge</li> <li>*Shoes</li> <li>*Personal Hygiene</li> <li>*Nails</li> <li>*Hair</li> <li>*Jewelry</li> <li>*Make-up</li> </ul> | <ul style="list-style-type: none"> <li>Create a characteristic profile of a health care worker that includes at least eight personal/professional traits or attitudes</li> <li>Explain how diet, rest, exercise, good posture and avoiding tobacco, alcohol and drugs contribute to good health</li> <li>Demonstrate the standards of a professional appearance as they apply to uniforms, clothing, shoes, nails, hair, jewelry, and make-up</li> <li>Define, pronounce and spell all of the key terms</li> </ul> |
| <b>Activities:</b>  | <b>Performance Assessments:</b>  |
| <ul style="list-style-type: none"> <li>Study guide</li> <li>Cooperative learning</li> <li>Oral Presentations</li> <li>Writing activities</li> <li>Skits</li> <li>Case Studies</li> <li>Projects</li> </ul>  | <ul style="list-style-type: none"> <li>Oral Questioning</li> <li>Projects</li> <li>Presentations</li> <li>Unit Test</li> </ul>   |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Infection Control/Universal Precautions

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G.

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|---|---|
| <p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>Understanding the Principles of Infection Control</li> <li>Microorganisms</li> <li>Medical Asepsis</li> <li>Clean vs Sterile Conditions</li> <li>Chain of infection</li> <li>Handwashing</li> <li>Gloving</li> <li>Isolation</li> <li>Observing Universal Precautions</li> </ul> | <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>Define Key Terms</li> <li>Explain the difference between pathogens and nonpathogens</li> <li>Identify six factors necessary for microorganisms to live and grow</li> <li>Explain the differences between medical asepsis, disinfection and sterilization</li> <li>Explain six links in the chain of infection</li> <li>Demonstrate proper hand washing technique</li> <li>Demonstrate proper application and removal of clean gloves</li> <li>Explain universal precautions and related techniques (disposal of sharps, use of personal protective equipment)</li> </ul> |
| <p><b>Activities:</b></p> <ul style="list-style-type: none"> <li>Study guide</li> <li>Cooperative learning</li> <li>Oral Presentations</li> <li>Writing activities</li> <li>Case Studies</li> <li>Projects</li> <li>Demonstration and practice of related skills</li> </ul>   | <p><b>Performance Assessments:</b></p> <ul style="list-style-type: none"> <li>Oral Questioning</li> <li>Projects</li> <li>Presentations</li> <li>Unit Test</li> </ul>   |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Body Planes, Directions, and Cavities

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G.

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|---|--|
| <b>Topics:</b><br>Body Planes<br>Body Cavities<br>Abdominal Regions   | <b>Skills:</b><br>Define key terms<br>Identify the names of the planes and the directional terms associated with these body planes<br>Identify the main body cavities<br>Identify the main organs located in each body cavity<br>Locate the nine abdominal regions |
| <b>Activities:</b><br>Study guide<br>Cooperative learning<br>Oral Presentations<br>Writing activities<br>Case Studies<br>Projects<br>Demonstration and practice of related skills | <b>Performance Assessments:</b><br>Oral Questioning<br>Projects<br>Presentations<br>Unit Test  |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Integumentary System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

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| <b>Topics:</b>   | <b>Skills:</b>  |
| Anatomy/Physiology of the skin<br>Functions of the skin<br>Pigmentation<br>Skin eruptions<br>Diseases of the skin  | Define key terms<br>Label a diagram of a cross section of the skin<br>Identify the two major skin glands<br>List six functions of the skin<br>Identify three abnormal skin discolorations by proper name and explain the causes of each<br>Describe four diseases of the integumentary system |
| <b>Activities:</b>   | <b>Performance Assessments:</b>   |
| View Body Atlas video<br>Study guide<br>Cooperative learning<br>Oral Presentations<br>Writing activities<br>Projects<br>Demonstration and practice of related skills | Oral Questioning<br>Projects<br>Presentations<br>Unit Test  |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Skeletal System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

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| <b>Topics:</b>   | <b>Skills:</b>   |
| <p>Anatomy of the skeletal system<br/>Physiology of the skeletal system<br/>Functions<br/>Diseases of the skeletal system</p>  | <p>Define Key Terms<br/>List five functions of bones<br/>Identify all of the main bones in the skeletal system<br/>Compare the three classifications of joints by describing the type of motion allowed by each<br/>Give one example of each joint classification<br/>Describe at least four diseases of the skeletal system</p> |
| <b>Activities:</b>   | <b>Performance Assessments:</b>  |
| <p>View Body Atlas video<br/>Study guide<br/>Cooperative learning<br/>Create and present flash cards<br/>Oral Presentations<br/>Writing activities<br/>Projects<br/>Demonstration and practice of related skills</p> | <p>Oral Questioning<br/>Projects<br/>Presentations<br/>Unit Test</p>   |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Muscular System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

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| <b>Topics:</b>   | <b>Skills:</b>   |
| Anatomy<br>Types of muscle<br>Characteristics of muscle tissue<br>Movement-terminology<br>Diseases<br>First Aid-spasm, strain  | Define Key Terms<br>Compare the three main kinds of muscle by describing the action of each<br>Differentiate between voluntary and involuntary muscle<br>Describe the two main ways muscles attach to bones<br>Demonstrate the five major movements performed by muscles<br>Describe three diseases of the muscular system |
| <b>Activities:</b>   | <b>Performance Assessments:</b>  |
| View Body Atlas video<br>Study guide<br>Cooperative learning<br>Create and present flash cards<br>Oral Presentations<br>Writing activities<br>Projects<br>Demonstration and practice of related skills | Oral Questioning<br>Projects<br>Presentations<br>Unit Test   |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Circulatory System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

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|---|---|
| <b>Topics:</b>  | <b>Skills:</b>  |
| Anatomy of the circulatory system<br>Heartbeat Cycle<br>Cardio-pulmonary Circulation<br>Conductive Pathway<br>Blood Vessels<br>Blood Composition<br>Blood Cells<br>Diseases and Conditions<br>First Aid- CPR, AED | Define Key Terms<br>Label the layers, chambers, and major blood vessels on a diagram of the heart<br>Differentiate between systole and diastole by explaining what happens in the heart during each phase<br>List the three major types of blood vessels and the action of each type<br>Compare the three main types of blood cells by describing the function of each<br>Describe at least five diseases of the circulatory system |
| <b>Activities:</b>  | <b>Performance Assessments:</b>   |
| View Body Atlas video<br>Study guide<br>Cooperative learning<br>Oral Presentations<br>Writing activities<br>Projects<br>Demonstration and practice of related skills  | Oral Questioning<br>Projects<br>Presentations<br>Unit Test  |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Respiratory System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.1.G

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| <b>Topics:</b>  | <b>Skills:</b>   |
| <p>Anatomy of Respiratory System<br/>         Physiology of Respiratory System<br/>         Diseases and conditions<br/>         First Aid- Foreign Body Airway Obstruction</p>   | <p>Define Key Terms<br/>         Label a diagram of the respiratory system<br/>         List five functions of the nasal cavity<br/>         Identify the three sections of the pharynx<br/>         Explain how the larynx helps create sound and speech<br/>         Describe the function of the epiglottis<br/>         Compare the processes of inspiration and expiration<br/>         Describe at least five diseases of the respiratory system</p> |
| <b>Activities:</b>  | <b>Performance Assessments:</b>  |
| <p>View Body Atlas video<br/>         Study guide<br/>         Cooperative learning<br/>         Oral Presentations<br/>         Writing activities<br/>         Projects<br/>         Demonstration and practice of related skills</p> | <p>Oral Questioning<br/>         Projects<br/>         Presentations<br/>         Unit Test</p>  |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Digestive System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

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| <p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>Anatomy of Digestive System</li> <li>Physiology of Digestive System</li> <li>Diseases and conditions</li> <li>First Aid- poisoning</li> </ul>                     | <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>Define Key Terms</li> <li>Label major organs on a diagram of the digestive system</li> <li>Explain location and function of salivary glands</li> <li>Explain the actions that take place in the stomach and the small intestine</li> <li>Identify the three sections of the small intestine</li> <li>Identify the five sections of the large intestine</li> <li>Identify four functions of the liver</li> <li>Explain how the pancreas aid in digestion</li> <li>Describe five diseases of the digestive system</li> <li>Explain what happens to food from the time it enters the body until the time it leaves the body</li> </ul> |
| <p><b>Activities:</b></p> <ul style="list-style-type: none"> <li>View Body Atlas video</li> <li>Study guide</li> <li>Cooperative learning</li> <li>Oral Presentations</li> <li>Writing activities</li> <li>Projects</li> </ul> | <p><b>Performance Assessments:</b></p> <ul style="list-style-type: none"> <li>Oral Questioning</li> <li>Projects</li> <li>Creative writing assessment</li> <li>Presentations</li> <li>Unit Test</li> </ul>   |

# Wallenpaupack Area School District

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Urinary System

**PA Standards:** 13.1.A  
13.1.E  
13.2.B  
13.2.D  
13.2.G

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| <b>Topics:</b>   | <b>Skills:</b>   |
| Anatomy of Urinary System<br>Physiology/Function of the Urinary System<br>Diseases and conditions                    | Define Key Terms<br>Label a diagram of the urinary system<br>Identify and explain the function of a nephron<br>Explain the functions of the ureter, bladder and urethra<br>Explain the difference between the male and female urethra<br>Explain five diseases or conditions of the urinary system |
| <b>Activities:</b>   | <b>Performance Assessments:</b>  |
| View Body Atlas video<br>Study guide<br>Cooperative learning<br>Oral Presentations<br>Writing activities<br>Projects | Oral Questioning<br>Projects<br>Presentations<br>Unit Test   |

## *Wallenpaupack Area School District*

**Course:** Introduction to Medical Occupations

**Grade Level:** 9th & 10th

**Unit:** Careers in Health Care  
(On-going throughout semester)

**PA Standards:** 13.1.A  
13.1.B  
13.1.C  
13.1.D  
13.1.E  
13.1.F  
13.1.G

|   |  |
|---|--|
| <b>Topics:</b>  | <b>Skills:</b>   |
| <ul style="list-style-type: none"> <li>Training-Professional,</li> <li>Technologist/Therapist, Technician,</li> <li>Assistant/Aide</li> <li>Dental Careers</li> <li>Diagnostic Services</li> <li>Emergency Medical Services</li> <li>Hospital/Health Care Facility Services</li> <li>Medical Careers</li> <li>Mental and Social Services</li> <li>Nursing Careers</li> <li>Nutrition and Dietary Services</li> <li>Therapeutic Services</li> <li>Veterinary Careers</li> <li>Vision Services</li> </ul> | <ul style="list-style-type: none"> <li>Define Key Terms</li> <li>Compare educational requirements for associate's, bachelor's and masters degrees</li> <li>Contrast certification, registration and licensure</li> <li>Describe ten different health care careers include definition, duties, educational requirements and employment opportunities</li> <li>Investigate and prepare a report for presentation on one specific health care career</li> </ul> |
| <b>Activities:</b>  | <b>Performance Assessments:</b>  |
| <ul style="list-style-type: none"> <li>Guest Speakers from the health care community</li> <li>Research &amp; review health care careers</li> <li>Cooperative learning</li> <li>Oral Presentations</li> <li>Writing activities</li> <li>Projects</li> </ul>  | <ul style="list-style-type: none"> <li>Oral Questioning</li> <li>Projects</li> <li>Presentations</li> </ul>  |