

Conneaut School District -- Grade/Dept

Major Topic	Concepts	Time	The students will be able to:	Skills	Assessment	Standard(s)
Module 1: Preparatory	1.EMS Systems	½ Wk	1. Explain the EMS System, the four levels of EMT, the roles and responsibilities of an EMT, and HIPAA.	-Note Taking -Practice Worksheets -Hands-on Activities -Videos -PowerPoint -Classroom Discussions -Guest Speakers	-Quizzes -Chapter Tests -Skills Demonstration Tests	10.3.12 Safety and Injury Prevention (A-D)
	2.Workforce Safety and Wellness	½ Wk	2. Explain Standard safety precautions, personal protective equipment, stress management, how to deal with death and dying, proper lifting and moving of patients, and how diseases are transmitted and the steps to prevent exposure to diseases.			
	3.Medical, Legal,and Ethical Issues	½ Wk	3.Explain consent/refusal care, the importance of confidentiality, advanced directives, tort and criminal actions, evidence preservation, statutory responsibilities, mandatory reporting, ethical principles and moral obligations, and end-of-life issues			
	4.Communicati on and Documentation	½ Wk	4.Demonstrate proper communication with patients, family member, bystanders, and hospital personnel. -Demonstrate completion of a PCR. -Demonstrate how to make a simulated, concise radio transmission with dispatch.			

	5. Medical Terminology	1 Wk	5. Describe the directional terms and positions of the body used in EMS. -Breakdown, identify, and interpret medical abbreviations, acronyms, and symbols used in EMS			
	6. The Human Body	2 Wks	6. Identify the body's topographic anatomy, including the anatomic positions and the planes of the body. -Identify the anatomy and physiology of the skeletal, muscular, respiratory, circulatory, nervous, integumentary, digestive, lymphatic, endocrine, urinary, and genital systems. -Define pathophysiology			
	7. Life Span Development	½ Wk	7. Describe the major physical and psychosocial characteristics of infants, toddlers and preschoolers, school-age children, adolescents, early adults, middle adults, and older adults.			
	8. Lifting and Moving Patients	½ Wk	8. Understand and demonstrate knowledge of body mechanics, lifting and carrying techniques, principles of moving patients, and an overview of equipment.			
		6 WK Unit				
Module 2: Patient	1. Scene Size-up	1 Days	1. Explain the impact of the environment on patient care, addressing hazards, dealing	-Note Taking -Practice	-Quizzes -Chapter Tests	10.3.12 Safety

Assessment	<p>2.Primary Assessment</p> <p>3.History Taking</p> <p>4.Secondary Assessment</p> <p>5.Monitoring Devices</p> <p>6.Reassessment</p>	<p>3 days</p> <p>3 days</p> <p>3 days</p> <p>3 days</p> <p>2 days</p> <p>2 ½ Wk unit</p>	<p>with violence, when there is a need for additional or specialized resources, standard precautions, and how to handle multiple patient situations.</p> <p>2.Demonstrate accessing level of consciousness, ABC's, Identifying life threats, assessment of vital functions, and initial general impressions of a situation -Begin interventions and integration of treatment/procedures needed to preserve life.</p> <p>3.Determine the chief complaint, mechanism of injury/nature of illness, associated signs and symptoms, investigation of chief complaint, past medical history, and pertinent negatives.</p> <p>4.Demonstrate how to perform a rapid full-body scan, a focused assessment of pain, an assessment of vital signs, and the techniques of a physical examination.</p> <p>5.Demonstrate how to take a proper blood pressure reading and oxygen reading.</p> <p>6.Explain how and when to reassess patients.</p>	<p>Worksheets</p> <p>-Hands-on Activities</p> <p>-Videos</p> <p>-PowerPoint</p> <p>-Classroom Discussions</p> <p>-Guest Speakers</p>	<p>-Skills Demonstration Tests</p>	<p>and Injury Prevention (A-D)</p>
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Module 3: Airway Management	1. Airway management	2 days	1. Identify and name airway anatomy. - Explain how to perform an airway assessment. - Explain techniques of assuring a patent airway.	- Note Taking - Practice Worksheets - Hands-on Activities - Videos - PowerPoint/Prezi	- Quizzes - Chapter Tests - Skills Demonstration Tests	10.3.12 Safety and Injury Prevention (A-D)
	2. Respiration	2 days	2. Identify and name the anatomy of the respiratory system. - Explain physiology and pathophysiology of respiration (pulmonary ventilation, oxygenation, external/internal/cellular respiration). - Demonstrate/explain assessment and management of adequate and inadequate ventilation. - Identify and explain how to use supplemental oxygen therapy.			
	3. Artificial Ventilation	2 days	3. Describe and explain artificial, minute, and alveolar ventilation and the effect of artificial ventilation on cardiac output.			
	4. Pathophysiology	2 days	4. Apply fundamental knowledge of pathophysiology of respiration and perfusion to patient assessment and management.			
		1 1/2 Wk unit				
Module 4:	1. Medication	½ Wk	1. Demonstrate a basic knowledge of	- Note Taking	- Quizzes	10.3.12

Principles of Pharmacology	Administration 2. Emergency Medications	½ Wk <hr/> 1 Wk Unit	pharmacology that provides a foundation for the administration of medicines given by an EMT. 2. Know the 10 medications that can be administered by an EMT in an emergency.	-Practice Worksheets -Hands-on Activities -Videos - PowerPoint/Prezi	-Chapter Tests -Skills Demonstration Tests	Safety and Injury Prevention (A-D)
Module 5: Shock and Resuscitation	1. Shock 2. Resuscitation	½ Wk 1 ½ wk <hr/> 2 WK Unit	1. Describe the pathophysiology of shock (hypoperfusion) -Identify causes of shock. -Differentiate among the various types of shock. -Describe the signs and symptoms of shock. -Describe the steps to follow in the emergency care of a patient with various types of shock. 2. Explain the difference between BLS and ALS. -Describe the two techniques used to open an airway and the circumstances that would determine when each technique is used. -Describe the different methods for removing a foreign body airway obstruction in and infant, child, and adult, including the procedure for a patient with an obstruction who becomes unresponsive. -Demonstrate how to properly position an unresponsive patient for CPR.	-Note Taking -Practice Worksheets -Hands-on Activities -Videos - PowerPoint/Prezi	-Quizzes -Chapter Tests -Skills Demonstration Tests	10.3.12 Safety and Injury Prevention (A-D)

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| | | | <ul style="list-style-type: none">-Demonstrate how to take a carotid pulse of an unresponsive child or adult.-Demonstrate how to perform head tilt-chin-lift or Jaw-thrust maneuver on a patient.-Demonstrate how to use an AED on a patient.-Demonstrate proper CPR on an infant, child, or adult. | | | |
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Module 6: Medical	1. Medical Overview	1 Wk	<p>1.Name the various categories of common medical emergencies and give examples.</p> <p>-Differentiate between medical and trauma emergencies.</p> <p>-Discuss diseases of special concern and their routes of transmission (influenza, herpes simplex, HIV/AIDS, hepatitis, meningitis, tuberculosis, whooping cough, MRSA, MERS-CoV, and Ebola)</p>	<p>-Note Taking</p> <p>-Practice Worksheets</p> <p>-Hands-on Activities</p> <p>-Videos</p> <p>- PowerPoint/Prezi</p>	<p>-Quizzes</p> <p>-Chapter Tests</p> <p>-Skills Demonstration Tests</p>	10.3.12 Safety and Injury Prevention (A-D)
	2.Respiratory Emergencies	1 Wk	<p>2. Describe the signs, symptoms, and management of respiratory emergencies including: epiglottitis, Spontaneous pneumothorax, Pulmonary edema, Asthma, COPD, Environmental/industrial exposure, Toxic gas, Pertussis, Cystic fibrosis, Pulmonary embolism, Pneumonia, and Viral respiratory infections.</p> <p>-Describe five different types of adventitious breath sounds, their signs and symptoms, and the disease process associated with each one.</p> <p>-Demonstrate how to use the OPQRST and the PASTE assessment to obtain more specific information about a patient's breathing problem.</p> <p>-Explain/Demonstrate how to assist a patient with the administration of a metered-dose inhaler or a small-volume nebulizer.</p>			
	3.Cardiovascular Emergencies	1 Wk	<p>3. Identify signs, symptoms, and management of chest pain, cardiac arrest, angina pectoris, Myocardial infarction, Aortic</p>			

	4. Neurologic Emergencies	1 Wk	<p>aneurysm/dissection, Thromboembolism, Heart failure, and Hypertensive emergencies.</p> <p>4. Identify signs, symptoms, and management of decreased levels of responsiveness, seizures, stroke, status epilepticus, and headaches.</p> <ul style="list-style-type: none"> - Explain the causes, similarities, and differences of an ischemic stroke, hemorrhagic stroke, and transient ischemic attack. - Differentiate between the different types of seizures. - Demonstrate/explain how to use a stroke assessment tool to test a patient for aphasia, facial weakness, and motor weakness. 			
	5. Gastrointestinal and Urologic Emergencies	1 Wk	<p>5. Describe the signs, symptoms, and management of Gastrointestinal bleeding, Acute and chronic gastrointestinal hemorrhage, Peritonitis, Ulcerative Disease, and Kidney stones.</p> <ul style="list-style-type: none"> - Explain the most common abdominal emergencies, with the most common locations of direct and referred pain. 			
	6. Endocrine and Hematologic Emergencies	1 Wk	<p>6. Describe the signs, symptoms, and management of diabetes mellitus, hyperglycemia, and hypoglycemia, Sickle cell crisis, and Clotting disorders..</p> <ul style="list-style-type: none"> - Demonstrate/explain how to administer oral glucose paste to a patient who experiences a low glucose level. 			

	7.Immunologic Emergencies	1 Wk	7 Describe the signs, symptoms, and management of hypersensitivity disorders and/or emergencies and anaphylactic reactions. -Demonstrate/explain how to remove a bee stinger. -Demonstrate how to use an EpiPen auto-injector.			
	8.Toxicology	1 Wk	8.Recognize and explain how to manage carbon monoxide and nerve agent poisoning. - Describe the signs, symptoms, and management of inhaled, ingested, injected, and absorbed poisons and alcohol intoxication and withdrawal.			
	9.Psychiatric Emergencies	1 Wk	9.Explain general factors that can cause alteration in a patient's behavior. - Describe the signs, symptoms, and management of acute psychosis, suicidal/risk, and agitated delirium.			
	10.Gynecologic Emergencies	1 Wk <hr/> 10 WK Unit	10.Explain 3 common examples of gynecologic emergencies; include the causes, risk factors, assessment findings, and patient management considerations. -Explain special considerations and precautions EMTs must observe when arriving at the scene of a suspected case of sexual assault or rape.			

Module 7: Trauma	1.Trauma Overview	1 Wk	<p>1. Define MOI, blunt trauma, and penetrating trauma.</p> <p>- Describe the 5 types of motor vehicle crashes, the injury patterns associated with each one, and how each relates to the index of suspicion of life-threatening injuries.</p> <p>- Describe the special assessment considerations related to a trauma patient who has injuries in the each of the following areas: head, neck and throat, chest, and abdomen.</p>	<p>- Note Taking</p> <p>- Practice Worksheets</p> <p>- Hands-on Activities</p> <p>- Videos</p> <p>- PowerPoint/Prezi</p>	<p>- Quizzes</p> <p>- Chapter Tests</p> <p>- Skills Demonstration Tests</p>	10.3.12 Safety and Injury Prevention (A-D)
	2. Bleeding	1 Wk	<p>2. Identify the signs and symptoms and the MOI that may cause internal and external bleeding.</p> <p>- Explain patient care for internal and external bleeding.</p>			
	3. Soft-Tissue Injuries	1 Wk	<p>3. Describe the types of soft and closed-tissue injuries.</p> <p>- Explain patient assessment for closed and open injuries.</p> <p>- Explain the assessment and medical care for burn injuries.</p> <p>- Describe the care of chemical, electrical, thermal, inhalation, and radiation burns.</p>			
	4. Face and Neck Injuries	1 Wk	<p>4. Explain the assessment and medical care for nosebleeds, penetrating neck trauma, laryngotracheal injuries, spine trauma, facial fractures, skull fractures, foreign bodies in the eyes, and dental trauma. Describe the factors that may cause the obstruction of the upper airway following a facial injury.</p>			
	5. Head and Spine Injuries	1 Wk	<p>5. Explain the different types of head injuries, their potential MOI, and general signs and symptoms of each type of head injury.</p> <p>- Define traumatic brain injury</p>			

<p>Module 10: The Team Approach to Health Care</p>	<p>1.The Team Approach to Health Care</p>	<p>1 WK Unit</p>	<p>1.Define continuum of care. -List the five critical elements necessary to ensure effective transfer of patient care from one provider to another. -List the five steps a receiving health care provider should perform when taking patients care report.</p>	<p>-Note Taking -Practice Worksheets -Hands-on Activities -Videos - PowerPoint/ Prezi</p>	<p>-Quizzes -Chapter Tests -Skills Demonstration Tests</p>	<p>10.3.12 Safety and Injury Prevention (A-D)</p>
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