

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Career Technical Education	Course:	Emergency Medical Careers I	Unit 4 Title:	Cardiac Arrest Management	Grade Level(s):	10-12
Assessed Trimester:		Pacing:		Date Created:	1/17/2014	Last Revision Date:	1/17/2014

- Course Understandings:** *Students will understand that:*
- Communication, in its various forms, is foundational to the field of emergency medicine.
  - The field of emergency medicine and its area of specialization.
  - Problem solving, critical thinking, and assessment skills are the essential tools used in emergency medicine.
  - The field of emergency medicine is governed by procedural, ethical and legal parameters established by the industry.

DESIRED RESULTS (Stage 1) - WHAT WE WANT STUDENT TO KNOW AND BE ABLE TO DO?

Established Goals	
<b>National Healthcare Foundation Standards and Accountability Criteria</b> <ul style="list-style-type: none"><li>• <b>Standard 2 Communication</b> - 2.1: Concepts of Effective Communication; 2.2: Medical Terminology</li><li>• <b>Standard 5 Legal Responsibilities</b> - 5.1: Legal Implications; 5.2: Legal Practices</li><li>• <b>Standard 6 Ethics</b> – 6.1 Ethical Boundaries; 6.2 Ethical Practice: 6.3 Cultural, Social, and Ethnic Diversity</li><li>• <b>Standard 7 Safety Practices</b> – 7.1 Infection Control; 7.2 Personal Safety; 7.3 Environmental Safety; 7.4 Common Safety Hazards; 7.5 Emergency Procedures and Protocols</li><li>• <b>Standard 8 Teamwork</b> – 8.1 Health Care Teams; 8.2 Team Member Participation</li><li>• <b>Standard 10 Technical Skills</b> – 10.1 Technical Skills</li></ul>	
Transfer	
<b>Students will be able to independently use their learning to: (product, high order reasoning)</b> <ul style="list-style-type: none"><li>•</li></ul>	
Meaning	
<b>Unit Understanding(s):</b> <b>Students will understand that:</b> <ul style="list-style-type: none"><li>• Safety of the rescuer and victim is paramount in cardiac arrest management</li><li>• There are environmental conditions and medical conditions that determine the type of cardiac arrest management required</li><li>• There are established procedures to ensure safety and correct utilization of equipment used in cardiac arrest management</li><li>• Critical criterion for cardiac arrest management ensures the correct procedures are followed</li></ul>	<b>Essential Question(s):</b> <b>Students will keep considering:</b> <ul style="list-style-type: none"><li>• When do you administer cardiac arrest management to a patient?</li><li>• How do you administer cardiac arrest management to a patient?</li><li>• Why do you administer cardiac arrest management to a patient?</li><li>• What is the best way to administer cardiac arrest management to a patient?</li><li>• When do you discontinue cardiac arrest management?</li></ul>
Acquisition	
<b>Knowledge - Students will:</b> <ul style="list-style-type: none"><li>• Check scene safety and take BSI precautions</li><li>• Know the physiological basis for cardiac arrest management</li><li>• Know how to determine type of cardiac arrest management required</li></ul>	<b>Skills - Students will:</b> <ul style="list-style-type: none"><li>• Establish specific needs for cardiac arrest management</li><li>• Differentiate between the need for the 5 types of oxygen administration</li><li>• Assemble cardiac arrest management equipment</li></ul>

<ul style="list-style-type: none"><li>• Know the assembly of cardiac arrest management equipment</li><li>• Know the steps included in cardiac arrest management</li><li>• Know that there are critical criteria steps that must be followed to ensure adequate care and the safety of everyone involved</li></ul> <p><b>Reasoning - Students will:</b></p> <ul style="list-style-type: none"><li>•</li></ul>	<ul style="list-style-type: none"><li>• Assess and problem-solve for AED dysfunction</li><li>• Summarize the steps involved in cardiac arrest management and why they are included at this point in the procedures</li><li>• Compare and contrast the different types of cardiac arrest management</li><li>• Determine critical criteria that must be included in cardiac arrest management</li><li>• Integrate prior knowledge of ABC’s, CPR, and oxygen administration into cardiac arrest management technical skill</li></ul>

<p><b>Common Misunderstandings</b></p> <ul style="list-style-type: none"><li>• Pad placement</li><li>• Airway management</li><li>• Safety precautions for using an AED</li></ul>	<p><b>Essential new vocabulary</b></p> <ul style="list-style-type: none"><li>• AED</li><li>• Ventricular fibrillation (V-fib)</li><li>• Ventricular tachycardia (V-tach)</li><li>• Sinus rhythm</li><li>• Asystole</li><li>• Defibrillator</li></ul>
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