Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Career Technical Education	Course:	Emergency Medical Careers I	Unit 3 Title:	Oxygen Administration	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

National Healthcare Foundation Standards and Accountability Criteria

- **Standard 2 Communication** - 2.1: Concepts of Effective Communication; 2.2: Medical Terminology
- **Standard 5 Legal Responsibilities** - 5.1: Legal Implications; 5.2: Legal Practices
- **Standard 6 Ethics** – 6.1 Ethical Boundaries; 6.2 Ethical Practice: 6.3 Cultural, Social, and Ethnic Diversity
- **Standard 7 Safety Practices** – 7.1 Infection Control; 7.2 Personal Safety; 7.3 Environmental Safety; 7.4 Common Safety Hazards; 7.5 Emergency Procedures and Protocols
- **Standard 8 Teamwork** – 8.1 Health Care Teams; 8.2 Team Member Participation
- **Standard 10 Technical Skills** – 10.1 Technical Skills

Transfer

Students will be able to independently use their learning to: (product, high order reasoning)

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Meaning

Unit Understanding(s):	Essential Question(s):
Students will understand that: • Safety of the rescuer and victim is paramount in oxygen administration • There are multiple ways to determine the type of oxygen administration required • There are established procedures to ensure safety and correct utilization of equipment used in oxygen administration • Critical criterion for oxygen administration ensures the correct procedures are followed	**Students will keep considering:** • When do you administer oxygen to a patient? • How do you administer oxygen to a patient? • Why do you administer oxygen to a patient? • What is the best way to administer oxygen to a patient? • When do you discontinue oxygen administration?

Acquisition

Knowledge - Students will:	Skills - Students will:
• Check scene safety and take BSI precautions • Determine type of oxygen administration required • Know the assembly of oxygen equipment	• Establish specific needs for oxygen administration • Differentiate between the need for the 5 types of oxygen administration • Assemble an oxygen tank

• Know what steps are included in oxygen administration • Know that there are critical criteria steps that must be followed to ensure adequate care and the safety of everyone involved **Reasoning - Students will:** •	• Assess and problem-solve for leaks in an oxygen tank or hoses • Summarize the steps involved in oxygen administration and why they are included at this point in the procedures • Compare and contrast the 6 different types of oxygen administration • Determine critical criteria that must be included in oxygen administration • Integrate prior knowledge of airway management into oxygen administration

Common Misunderstandings

- "Blue Pumpy Thing"
- Liter flow v positive pressure
- When to use a specific delivery system

Essential new vocabulary

- Look, Listen, Feel
- Respiratory rate and quality
- Nasal cannula
- Positive pressure
- Non-rebreather
- Partial rebreather
- Demand valve
- Liter flow
- Oral airway
- Regulator
- Oxygen tank
- BVM
- Nasal airway
- OPA