

Name of Module:	Pulse Oximetry					
Module Provider Level:	EMR		EMT	X	AEMT	Paramedic
Contributor(s) :	C. McHan, M. Sturkie					
Instructional Setting:		Single Student		Small Group	X	Whole Class
Learning Domain(s):	X	Didactic		Psychomotor		Affective
General Description of Lesson:	EMR	N/A				
	EMT	N/A				
	AEMT	To understand oxygen is essential in body. Also learn purpose of pulse oximetry along with indications and procedure for application. Should also understand complications and how to troubleshoot device. How oximetry measures hemoglobin bound with oxygen. Will also learn little more about oxygen transport in body.				
	Paramedic	N/A				
Objective(s) of Lesson:	EMR	N/A				
	EMT	N/A				
	AEMT	<ol style="list-style-type: none"> 1) Describe importance of oxygen to body metabolism 2) Understand oximetry assesses oxygen saturation of hemoglobin 3) Understand oximetry can show effectiveness of interventions 4) Know oximetry is a routine vital sign 5) Know procedures of application and reading oximetry 6) Determine sights for application of oximetry 7) Define possible complications with oximetry 8) Describe possible troubleshooting 9) Describe transport of oxygen in body 10) Understanding the hemoglobin reflects light differently with and without oxygen 				
	Paramedic	N/A				

Assessment type(s):	X	Quiz		Observation
	X	Lab Skill Sheet		Other:
Describe the assessment plan:	Each student will be given a quiz to test understanding of pulse oximetry. The test will show understanding of the above levels and objectives. Students will also demonstrate the ability to use pulse oximetry in a skills station and troubleshoot the device.			
Describe electronic resource(s) used in this plan:				
Materials and Resources used by teachers and students:	Application and troubleshooting information is available with specific products.			
Teacher Procedure:	Teacher will go over the importance of oxygen to body. They will also cover pulse oximetry as an instrument that can be used to measure oxygenation of blood. Teacher should demonstrate application procedure. Teacher will also discuss possible complications. Students will then be given a written test on pulse oximetry. Student will also be tested by skill sheet for use of oximetry.			
Student Tasks:	Take and pass written test and perform skills station			
Time Required:	# of class periods:	1	# of minutes per class period:	60
Notes, tips, suggestions, and/or extension activities:				