

NEW!

First Aid/CPR CPU

Students explore many areas of first aid and CPR, including proper procedures for assessing a casualty, as well as techniques to determine and administer appropriate first aid. Students follow safety guidelines and recommended protocols to provide first aid or CPR in accordance with accepted legal, ethical, and precautionary practices. They will utilize manikins, an audio coaching tool, and an automated external defibrillator (AED) trainer, along with other first aid equipment and supplies to simulate the treatment of illnesses, injuries, and other life-threatening conditions.



Key Features:

- Use software created specifically for emergency scenarios to explore first aid step by step.
- Simulate treatment of a muscle injury by applying a cold pack to a casualty's arm.
- Use manikins to demonstrate artificial respiration and CPR on adults, children, and infants.
- Employ an AED trainer and an audio coach as guides to emergency techniques in various circumstances.

Topics Covered:

- Legal and safety stipulations in first aid care
- Scene, primary, and secondary surveys
- The Heimlich maneuver
- Anaphylaxis and first aid for allergy emergencies
- Wound care and bleeding control
- Sprain, strain, and fracture care
- CPR procedures for adults, children, and infants
- Cardiac arrest, ventricular fibrillation, and defibrillation
- Heat and cold exposure emergencies
- Rescue carries and the recovery position
- Treatment of burns, bites, and eye injuries

Academic Concepts and Skills:

- Reading
- Writing
- Anatomy
- Math
- Physical science
- Problem solving
- Teamwork
- Resource allocation
- Technological literacy



First Aid/CPR CPU
Product Number: HS1037



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The **First Aid/CPR CPU** involves the study of the principles, practices, procedures, and therapeutics used in first aid and CPR. Emergency topics include anaphylaxis, severe bleeding, airway restriction, cardiac arrest, muscle strain, burns, frostbite, and shock. The unit also covers emotional aspects of first aid, both for the victims and for the rescuers, as well as basic wilderness first aid concepts.

- Examine the importance of first aid and CPR.
- Research various career opportunities in first aid.
- Discuss the legal implications of giving first aid.
- Recognize appropriate safety principles to consider while giving first aid.
- Explore first aid asepsis and contamination clean-up.
- Examine the steps of a scene survey.
- Explore the basics of a primary survey.
- Identify the dangers of choking and the Heimlich maneuver's role in aiding choking victims.
- Recognize the measures to rescue choking victims using *ResQR* software.
- Define the finger sweep and when to use it.
- Contrast the different methods of performing the Heimlich maneuver on infants, the overweight and pregnant, and one's self.
- Describe the onset of anaphylaxis and how to treat it in emergency situations.
- Follow the steps of acute allergic reaction rescue using *ResQR* software.
- Explore the basics of a secondary survey.
- Define vital signs and their importance in determining casualty health.
- Identify wound care techniques.
- Follow steps of severe bleeding control using *ResQR* software.
- Practice care of a severely bleeding casualty using gauze and bandaging.
- Compare and contrast sprain, strain, and fracture injuries.
- Identify different types of bone fractures and how they are treated.
- Follow steps of bone and sprain care using *ResQR* software.
- Apply a cold pack to an injured arm.
- Apply basic knowledge of the respiratory system to recognize breathing emergencies.
- Perform mouth-to-mouth respiration (AR) on an adult casualty.
- Perform CPR on an adult casualty in one-rescuer and two-rescuer scenarios.
- Explain the benefit of having more than one rescuer.
- Recognize breathing emergencies in children and infants.
- Perform CPR on child and infant casualties.
- Examine the relationship between sudden cardiac arrest and ventricular fibrillation.
- Define the components of an automated external defibrillation program.
- Explain the role of CPR when delivering emergency care with an AED.
- Identify the age and weight requirements for using an AED on a person in cardiac arrest.
- Demonstrate the application and operation of the AED using the AED trainer.
- Explore proper response to suspected head, neck, or spine injuries.
- Simulate moving a casualty into the recovery position.
- Define frostbite, the conditions that cause it, and the methods of treating it.
- Explore the different types of heat stroke and the methods of treatment.
- Identify the symptoms of shock and contrast the different types.
- Follow procedures for casualties suffering from heat, cold, and shock using *ResQR* software.
- Classify burns by severity.
- Follow rescue procedures for thermal and electrical burns using *ResQR* software.