

Emergency Medical First Aid & CPR

UNIT 1: Intro to Emergency Management Response



ESSENTIAL QUESTION

BIG IDEAS

What is the role of first responders in society?

- Students will understand the procedures and tools first responders use in an emergency.
- Students will demonstrate an understanding of the laws and responsibilities first responders face in their jobs.

GUIDING QUESTIONS

Content

- What protocols should first responders adhere to when working with an on-scene accident?
- What equipment and technology tools do first responders use?
- What laws and regulations pertain to public safety issues?
- What are the responsibilities of a beginning employee in emergency, fire, and EMT/First Responder services careers.

Process

- What procedures do first responders use when responding to incidents?

Reflective

- What are the emotional challenges faced by first responders?

FOCUS STANDARDS

- KSDE 44050.1. Use protocols in emergency management response when working with an on-scene accident.
- KSDE 44050.2. Use radio equipment, computer technology and public address/warning systems to manage emergency situations.
- KSDE 44050.3. Practice response procedures used to respond to small and catastrophic incidents.
- KSDE 44050.4. List local, state, and federal regulations pertaining to safety issues.
- KSDE 44050.5. Display proper handling of hazardous materials to manage demands of medical, fire, environmental, and technical disasters of situations when hazardous materials are present.
- KSDE 44050.6. List laws, ordinances and organizational rules of conduct to perform assigned duties.
- KSDE 44050.7. List responsibilities of a beginning employee in emergency, fire, and EMT/First Responder services career to understanding the emotional and physical challenges of the field.
- KSDE 44050.12. Explain how to phone your department/agency emergency response number (or 911)
- KSDE 44050.13. Explain how to contact the Emergency Medical Services system in your area.
- KSDE 44050.14. List examples of when you should phone your department/agency emergency response number (or 911) for help.

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UNIT 2: First Aid Basics



ESSENTIAL QUESTION

BIG IDEAS

What do first responders need to keep in mind before, during, and after administering first aid?

- Students will understand some basic first aid rules, expectations, and procedures.
- Students will understand how to be prepared to administer first aid.
- Students will understand what to do after administering first aid.

GUIDING QUESTIONS

Content

- What is first aid?
- Who has the duty to give first aid?

Process

- How do first responders keep themselves safe when giving first aid?
- How do first responders keep the victim from further injury when giving first aid?

Reflective

- How might a first aid rescuer feel after an emergency?
- What is a first aid rescuer's role in keeping first aid care confidential?

FOCUS STANDARDS

- KSDE 44050.8. Define first aid and describe who has the duty to give first aid.
- KSDE 44050.9. Describe where to find a list of items in the first aid kit at your worksite.
- KSDE 44050.10. Explain how to keep yourself safe when giving first aid, including putting on and taking off protective gloves.
- KSDE 44050.11. Explain how to keep the victim from further injury when giving first aid.
- KSDE 44050.15. Describe how a first aid rescuer might feel after an emergency.
- KSDE 44050.16. Explain your role in keeping first aid care confidential.
- KSDE 44050.17. Explain which forms your department/agency wants you to fill out after you give first aid.

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UNIT 3: Identification and Treatment



ESSENTIAL QUESTION

BIG IDEAS

How do first responders provide first aid in a variety of situations?

- Students will be able to identify the need for first aid and be able to perform basic care in different situations.

GUIDING QUESTIONS

Content

- What are the main types of medical emergencies first responders encounter?
- How do first responders treat various types of medical emergencies?

Process

- What procedures do first responders use for determining a plan for treatment?
- How do first responders assess patients and manage life threatening medical emergencies?

Reflective

- How confident would you feel identifying the needs of victims and determining a plan of treatment?

FOCUS STANDARDS

- KSDE 44050.18. List the signs and symptoms of a victim with a breathing problem and describe what to do.
- KSDE 44050.19. Describe how to relieve choking.
- KSDE 44050.20. Describe the signs and actions for a victim with a bad allergic reaction.
- KSDE 44050.21. Describe how to use an epinephrine pen.
- KSDE 44050.22. Describe several words that a victim may use to describe discomfort, pain, or pressure caused by a heart attack.
- KSDE 44050.23. Explain where the pain or pressure of a heart attack might be located.
- KSDE 44050.24. Explain first aid actions for a victim with chest discomfort, pain, or pressure.
- KSDE 44050.25. Explain fainting and the first actions for it.
- KSDE 44050.26. Describe the signs, symptoms and first aid actions for low blood sugar in a person with diabetes.
- KSDE 44050.27. List the three signs and symptoms of and first aid actions for a stroke.
- KSDE 44050.28. Describe the signs and symptoms of and first aid actions for a person having a seizure.
- KSDE 44050.29. Describe the signs of and first aid actions for shock.

- KSDE 44050.30. Describe the first aid actions for bleeding that you can see and how to stop it.
- KSDE 44050.31. Explain when you should expect bleeding inside the body.
- KSDE 44050.32. Describe first aid actions for bleeding you can't see.
- KSDE 44050.33. List signs of and first aid actions for a victim with head, neck and spine injury.
- KSDE 44050.34. Explain the first aid actions for broken bones and sprains.
- KSDE 44050.35. List the first aid actions for burns.
- KSDE 44050.36. Describe the first aid actions for:
 - A victim of electrocution
 - Bites and stings
 - Heat-related emergencies
 - Burns
- KSDE 44050.37. Describe the signs of and first aid actions for cold related emergencies
- KSDE 44050.38. Explain the steps for giving first aid for poisoning.

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UNIT 4: CPR Techniques



ESSENTIAL QUESTION

BIG IDEAS

How do first responders administer CPR?

- Students will be able to administer CPR on adults, children, and infants.
- Students will be able to demonstrate how to properly use an Automatic External Defibrillator (AED).

GUIDING QUESTIONS

Content

- What is CPR?
- What is an AED?

Process

- What is the proper technique for CPR?
- What is the process for using an AED?
- How is an AED used in the process of administering CPR?

Reflective

- How comfortable would you be if asked to give CPR to a person?
- How comfortable would you be using an AED?

FOCUS STANDARDS

- KSDE 44050.39. Demonstrate CPR techniques for use on:
 - An adult
 - A child
 - An infant
- KSDE 44050.40. Describe what an Automatic External Defibrillator does.
- KSDE 44050.41. Explain use situations and operation of an AED
- KSDE 44050.42. Explain how to give CPR and use an AED