

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT

Human Services 2 - CERT

Date: September 2010

Category: Career Technical Education

Proposed Grade Level(s): 11th & 12th

Course Length: One Year

Grading: A-F

Number of Credits: 5 per Semester

Prerequisites: Human Services 1

COURSE DESCRIPTION:

This is an industry certification class, preparing students for careers in the Human Services Industry. The students will be trained as Community Emergency Response Team (CERT) members. The course will be taught in partnership with industry experts in personal and community such as, but not limited to, Sacramento Metro CERT, the Rancho Cordova City Police Department, Sacramento Metro Fire Department, and other local family and human services agencies. The course includes a rigorous first aid training program and CPR certification coursework. The course will also require students to participate in before school training and various after school community service projects.

The students will expand their knowledge of 1) personal and community safety programs, 2) human services careers, 3) fire safety procedures, 4) first aid and CPR, and 5) disaster response planning thus meeting the Human Services Industry Sector standards.

Each unit of instruction and the associated student learning activities will include a multicultural perspective representative of the demographic makeup of Cordova High School. Some of the units of instruction will be delivered in partnership with family services industry people, i.e. Rancho Cordova City Police Department, Sacramento Metro CERT.

One of the final culminating activities for the course will be a mock disaster drill held on the Cordova High School campus. Field trips will also be arranged for students to visit industry experts in the field.

GENERAL GOALS / PURPOSES:

By the end of the course, each student will be able to:

- Plan, prepare, and practice responding to family and community emergencies as outlined in the U.S. Department of Health and Human Services.
- Define disasters and decide who makes up a response workforce.
- Identify various types of potentially hazardous conditions and determine how to reduce personal risk in each situation.
- Define the laws that protect disaster workers from liability.
- Determine how fire occurs, classes of fire, and choose the correct means of distinguishing it.
- Identify potential fire hazards in the home and workplace, and present fire prevention strategies.
- Identify potentially hazardous materials in storage or in transit.
- Recognize and treat airway obstruction, bleeding, and shock.
- Apply the principles of triage and conduct triage evaluations.
- Set up disaster treatment areas and explain the four major functions of disaster medical operations.
- Provide basic treatment of burns, dressing wounds, fractures, dislocations, hypothermia, and nasal bleeding.

- Conduct a systematic search for disaster victims using safe techniques for lifting, leveraging, and victim removal.
- Protect self and buddy during a search and rescue operation.
- Organize and deploy volunteer resources according to CERT organization principals.
- Apply knowledge of teamwork.
- Provide psychological first aid to victims and CERT team members, taking of oneself before and after a disaster.
- Define terrorism and terrorist goals and use CERT protocols for terrorist incidents.
- Explain fire safety guidelines and practices.
- Explain types, maintenance, and proper installation of smoke detectors.
- Describe procedures for fighting common fires.
- Develop personal safety strategies.
- Establish and promote good safety habits for all ages.
- Provide CPR and cardiac care in emergencies.
- Understand important safety, emergency, and disaster procedures to use with a wide variety of populations.

STUDENT READING COMPONENT:

Students will be required to:

- Use the Internet to research protective service and emergency responders' career-related topics.
- Read articles related to emergency response.
- Read the required text.
- Read and comprehend test questions and answers.

STUDENT WRITING COMPONENT:

Students will be required to:

- State their responses to questions in complete sentences related to protective services career pathway standards.
- Develop a personal health plan and set career goals for the five years.
- Prepare documentation of disaster situations and determine resource status.
- Complete a notebook that includes note taking from class lectures.
- Develop Power Point presentations on a variety of topics for group presentations.
- Develop an emergency plans for their family and neighborhood based on the format presented by the US Dept of Health & Human Services.
- Communications with industry mentors.

STUDENT ORAL COMPONENT:

Students will be required to:

- Participate as a member of a group presentation of an emergency disaster situation.
- Respond to questions directed to them during class discussion.
- Peer teach a CERT topic.
- Participate in question/answer sessions with guest speakers.

DETAILED UNITS OF INSTRUCTION:

This is an industry certification class, preparing students for careers in the Family & Human Services Industry. The students will be trained as Community Emergency Response Team members. The course will

be taught in partnership with the Sacramento Metro CERT. The course includes a rigorous first aid training program and CPR certification coursework. The course will also require students to participate in before school training and various after school community service projects.

Family & Human Services Units

1) Community Emergency Response Team Units

a) Disaster Preparedness

- i. Disasters and Disaster Workers
- ii. The impact on the Infrastructure
- iii. Structural and Nonstructural Hazardous
- iv. Hazard Mitigation
- v. Home and Workplace Preparedness
- vi. Community Preparedness
- vii. Protection for Disaster Workers

b) Fire Safety

- i. Fire Chemistry
- ii. Fire Hazards
- iii. Fire Safety
- iv. Portable Fire Extinguishers
- v. Fire Suppression Safety
- vi. Teamwork
- vii. Hazardous Materials

c) Disaster Medical Operations

- i. Life Threatening Conditions
- ii. Triage
- iii. Public Health Considerations
- iv. Functions of Disaster Medical Operations
- v. Disaster Medical Treatment Areas
- vi. Patient Evaluation
- vii. Basic Treatment of Burns, wounds, fractures, hypothermia, and nasal bleeding

d) Light Search and Rescue Operations

- i. Search and Rescue size up
- ii. Conducting Search Operations
- iii. Conducting Rescue Operations

e) CERT Organization

- i. CERT Organization
- ii. Rescuer Safety
- iii. Documentation
- iv. Team Organization

f) Disaster Psychology

- i. Disaster Psychology
- ii. Caring for yourself, your buddy, and victims

g) Terrorism and CERT

- i. What Terrorism is
- ii. Terrorist Weapons
- iii. B-NICE Indicators
- iv. CERTs and Terrorist Incidents

h) Emergency Preparedness

- i. Emergency plans for a variety of situations and victims.
- ii. FEMA "Are You Ready? An In-depth Guide to Citizen Preparedness" course materials.

2) CPR & AED Certification

- a) Adult, Infant, Child CPR certification and AED training.

3) Community Service Projects

- a) Participate in local community disaster preparedness workshops.
- b) Provide first aid and other organizational support for Special Olympics events in the Sacramento Area.
- c) Provide first aid and other organizational support for American Cancer Society – Relay for Life

All Units of Instruction will include:

- Introductory class discussion and teacher presentation
- Appropriate audio-visual media.
- Hands on learning activities
- Evaluation of student learning
- Student reading, writing, and oral component

SUBJECT AREA CONTENT STANDARDS TO BE ADDRESSED:

Family & Human Services Pathway Standards

D 6.0 Students understand and apply the basic principles that promote health and well being throughout the life span.

D7.0 Students understand important safety, emergency, and disaster procedures to use for a variety of populations.

D7.1 Understand how to establish and promote good safety habits for all ages.

D7.2 Know the procedures for basic first aid and cardiopulmonary resuscitation (CPR) for infants, children, and adults.

D7.3 Understand the causes and prevention of common accidents and injuries.

D7.4 Know the correct procedures for dealing with emergencies and disasters.

D7.5 Understand the procedures that prevent the spread of illnesses, infections, and diseases, including blood-borne pathogens.

D7.6 Understand the specific health considerations of persons with disabilities.

D8.0 Students understand and apply interpersonal skills required to interact effectively with individuals and families.

D8.1 Know the strategies that promote positive interaction between individuals, families, and agencies.

D8.2 Understand effective ways to communicate and interact with culturally diverse individuals and families, such as using mediation, conflict resolution, and decision-making skills.

D8.3 Understand effective ways to teach individuals and families' communication, mediation, conflict-resolution, and decision-making skills.

D11.0 Students understand common problems and crises affecting individuals and families.

D11.1 Know the signs of emotional and physical abuse, emotional crises, and mental health issues, such as depression, isolation, substance abuse, and stress.

D11.2 Know how to identify behaviors that require intervention and outside assistance.

D11.3 Know how to provide the information that individuals and families need to make decisions about seeking professional help.

THIS COURSE WILL PREPARE STUDENTS FOR THE CAHSEE AND/OR THE CSTs:

Writing, Reading, Language Arts, Social Science, and Science.

LAB FEE REQUIRED:

None

DISTRICT ESLRs TO BE ADDRESSED:

Students will be:

- **Self –Directed learners** – students will work independently to determine first aid treatment for mock victims, and to complete research projects related to chosen career fields.
- **Effective Communicators** – student will communicate through both written and oral presentations made in class.
- **Quality Producers/Performers** – student work will be held to a high industry standard as set by industry certified trainers.
- **Constructive Thinkers** – students will be able to size up emergency situations, document activities, and apply basic first aid skills in hands on –training situations.
- **Collaborative Workers** – students will understand the importance of teamwork and complete various projects as a member of a team.
- **Responsible Citizens** – students will participate in community service activities and learn about the laws governing the protective services pathway.