

# FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT

## DRIVERS EDUCATION AND CAREERS

**DATE:** October 2009

**SUBJECT AREA:** Health and Safety

**PROPOSED GRADE LEVEL(S):** 10<sup>th</sup>

**COURSE LENGTH:** One Semester

**GRADING:** A-F

**NUMBER OF CREDITS:** 5 per semester

**PREREQUISITES:** None

### **COURSE DESCRIPTION:**

Driver Education is an overall analysis including rules of the road, drinking and driving, speeding, distractions, and being a responsible and courteous driver. The second half of the course includes a Career unit. The Career unit includes career/occupation reports, vocational, military, college, and university information, R.O.P. and Work Experience Programs, and guest speakers.

### **GENERAL GOALS/PERFORMANCES:**

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

- Demonstrate ways they can enhance and maintain their own well-being
- Describe the causes and prevention of car accidents
- Describe how defensive driving will promote life-saving techniques
- Describe the importance of being a safe driver
- Recognize the risks of substance abuse while driving a car
- Differentiate between good and bad driving habits
- Understand the basic concepts of first aid
- Demonstrate an understanding of professional oral presentation skills on driver education
- Effectively use advanced features of Microsoft Power Point for career reports
- Work professionally on their report with a client from the career department

### **STUDENT READING COMPONENT:**

Students will be required to:

- Use the Internet to research driver education, careers, first aid-related topics
- Develop Power Point slide programs of health related topics for group presentations
- Read articles related to driver education, first aid and career education
- Read the Drive Right and California Driving Handbook
- Read and comprehend test questions and answers
- Use the Internet to research a variety of topics, including presentation skill and tips and tricks for a variety of computer multimedia
- Read chapters 1-18 and do all homework and assignments at the end of each chapter
- Read articles assigned about driver education

### **STUDENT WRITING COMPONENT:**

Students will be required to:

- Write in response to driver education and careers
- Develop a driving plan
- Write stories, case studies and /or scenarios of various first aid experiences

- Complete a notebook, which includes note taking from the class lecture
- Develop a *Career Report* that includes:
  - Cops test scores
  - Personal data
  - Resume
  - Graft and explanation sheet of Cops scores
- Write 18 chapter homework assignments
- Analyze and critique a web site pertinent to driver education and careers
- Compose copies to be included in Microsoft Power Point presentations for their career report
- Complete scripts for oral presentations on driver educations and careers

### **STUDENT ORAL COMPONENT:**

- Participate as a member of a group presentation of a driver education topic
- Respond to questions and participate in class discussions about homework in driver education and careers
- Interview someone regarding car insurance
- Participate in question/ answers sessions with guest speakers
- Present a variety of speaking situations , including descriptive, persuasive and informative

### **UNITS OF INSTRUCTION:**

Student learning expectancies for each unit:

#### **UNIT 1 – Driver Education**

**A. Teen Driving Guide** – In order to pass this phase of the driver education unit, the student must answer correctly at least 80% of the questions taken from the Teen Driving Guide

**B. Units of Instruction in Driver Education** –

1. **You Are the Driver:** The student will demonstrate knowledge of the highway transportation system and the responsibilities in driving i.e.,
  - A system for driving
  - What do drivers do: The driving task
  - Driving responsibilities
  - Driver education and responsible driving
2. **Signs, Signals, and Roadway Markings:** The student will identify various roadside direction markings.
  - Traffic signs
  - Traffic signals
  - Roadway markings
3. **Basic Car Control:** The student will identify the instrumentation on a vehicle and demonstrate understanding of the pre-driving check off as listed:
  - Instruments, controls, and devices
  - Getting ready to drive
  - Driving a car with an automatic transmission
4. **Making Safe Driving Decisions:** The student will identify the four steps of the IPDE process:

#### **THE IPDE PROCESS**

- Safe path of travel
- Using the IPDE process

5. **Natural Laws and Car Control:** The student will demonstrate and understanding of various forces of nature and their effects on driving:
  - Gravity and energy in motion
  - Friction and traction
  - Stopping Distance
  - Force of Impact
  - Safety Belts and other restraint devices
6. **Performing Basic Car Maneuvers:** The student will indicate and understanding of various driving and parking strategies required in the test for obtaining a driver's license as listed:
  - Steering, signaling, and changing lanes
  - Turns and turnabouts
  - Parking
  - Starting and parking on hills
7. **Negotiating Intersections:** The student will describe appropriate techniques in driving through intersections and the 2-3 second rule in the following situations
  - Uncontrolled intersections
  - Controlled intersections
  - Judging time, space, and distance
  - Determining right-of-way
  - Railroad Crossings
8. **Sharing the Roadway:** The student will explain the appropriate procedures to follow when driving in the area of motorcyclists and by bicyclists:
  - Interacting with motorists
  - Motorcyclist actions that can affect you
  - Interacting with bicyclists
9. **Driving in Urban Areas:** The student will define and apply the special characteristics of city driving:
  - Characteristics of town and city-driving
  - Following and meeting traffic
  - Using basic skills in traffic
  - Adjusting to traffic patterns
  - Pedestrians and other roadway users
10. **Driving in Rural Areas:** The student will describe the unique features if highway driving:
  - Characteristics if highway traffic
  - Using basic skills in highway driving
  - Passing and being passed
  - Changes in the roadway and environment
  - Interacting with special vehicles
11. **Driving on Expressways:** The student will demonstrate knowledge of expressway driving:
  - Characteristics of expressway driving
  - Entering expressways
  - Driving on expressways
  - Exiting expressways
  - Special situations on expressways
12. **Driving in Adverse Conditions:** the student will identify various adverse driving conditions, and what special precautions should be taken with each:
  - Reduced visibility
  - Reduced traction
  - Other weather conditions

13. **Handling Emergencies:** The student will identify several driving emergencies and explain actions to be taken in various situations:
  - Vehicle malfunctions
  - Driver error
14. **Driver Condition and Risk:** The student will demonstrate an understanding of what compensations can be utilized to drive safely with a disability:
  - Physical senses and driving
  - Physical disabilities
  - Emotions and driving
  - Driving ability and managing risk
15. **Alcohol, Other Drugs, and Driving:** The students will explain the effects of alcohol on one's ability:
  - Alcohol affects driver performance
  - Laws governing alcohol use
  - Other drugs and driving
  - Alcohol, other drugs, and peer pressure
16. **Responsibilities of owning a vehicle:** The student will identify factors to consider when buying a vehicle and an understanding of comprehensive insurance coverage on a vehicle:
  - Buying a car
  - Insuring a car
  - If you have a collision
17. **Maintaining a car:** Students will explain how to properly care for a vehicle:
  - Owner maintenance
  - Preventative maintenance
  - Improvements for saving fuel
18. **Planning your travel:** The student will demonstrate an understanding of driving for pleasure as it relates to the following areas:
  - Local travel
  - Long-distance travel
  - Recreation vehicles and trailers

**C. Concept Words/Terms:** The student will demonstrate knowledge of the following concepts, words/terms and will use them in written and/ or oral communication:

collision	foot-brake pedal	over steer
defensive driving	friction point	perpendicular parking
execute	head restraints	under steer
highways transportation system	hood release	cross buck
maximum speed limit	ignition switch	delayed green light
predict	odometer	gap
pedestrian signal	parking brake	right-of-way
regulatory sign	riding the clutch	unprotected left turn
accelerator	seat adjustment	banked curve
vehicle code	shift indicator	force of impact
decide	compromise space	perception distance
international symbols	field of vision	reaction distance
automatic choke	minimize	restraint divide
blind spot	predict	tread
downshifting	selective seeing	front brake
emergency flasher	traction	helmet

flashing signal	alternator warning light	school zone
traffic signal	warning sign	yield
compromise space	execute	field of vision
minimize	orderly visual search pattern	predict
safe path of travel	selective seeing	sight adjustment
rear brake	traction	execute
IPOE process	orderly visual search pattern	safe path of travel
sight distance	angle parking	parallel parking
turnabout	controlled intersection	controlled railroad crossing
fresh green light	protected left turn	uncontrolled railroad crossing
yield	braking distance	friction
perception time	reaction time	total stopping distance
face shield	goggles	protective equipment
adjusting speed	covering the brake	riding the brake
tailgating	escape path	median strip
pull-out area	slow moving vehicle	vapor lock
acceleration lane	deceleration lane	emergency flares
highway hypnosis	velocitation	hydroplaning
minimum speed limit		
rocking the car	tire chains	brake fade
jack	wheel cover	central vision
color-blindness	field of vision	night blindness
tunnel vision	depressant	field sobriety test
hallucinogen	overstake	stall green light
advisory speed sign	flash flood	multilane highway
sight distance	switchback	orderly visual search pattern
common speed	controlled-access highway	unit ramp
merging area	rumble strip	controlled braking
overdriving headlights	stopping time	blowout
counter steer	lug nuts	carbon monoxide
chronic illness	depth perception	glare recovery time
risk-taking behavior	visual acuity	blood alcohol concentration
driving while intoxicated	implied consent law	intoxilyzer
peer pressure	stimulant	blue book
lending agencies	liability insurance	policy
uninsured motorist	alternator	bias-ply tire
disc brake	master cylinder	radial tire
shock absorber	map scale	recreational vehicle
safety chains	trailer	peer group counseling
soft drink	assigned risk insurance	deductible
financial responsibility law	no-fault insurance	premium
warranty	belted tire	carburetor
drum brake	oil pump	radiator
legend	navigating	

#### D. Methods of Evaluation

1. Chapter and/or unit tests
2. Class participation
3. Oral written essays/reports

## **UNIT II - First Aid**

### **A. The students will demonstrate knowledge of the following units of First Aid:**

1. Definitions
2. Reasons for first aid
3. Value of First Aid training
4. General Directions for giving first aid

### **B. Wounds** -The student will identify various types of wounds and what the first aid procedure is for each.

1. Definitions
2. Common causes
3. Symptoms
4. First aid for open wounds
5. First aid for severe bleeding
6. Prevention of contamination and infections
7. Bites
8. Closed wounds
9. Prevention of wound-causing accidents

### **C. Specific Injuries** -The student will demonstrate understanding of the correct first aid procedures for specific injuries:

1. Definitions
2. Eye injuries
3. Head injuries
4. Neck injuries
5. Wounds of the chest
6. Abdominal injuries
7. Back injuries
8. Injuries to genital organs
9. Injuries to legs and feet
10. Hand injuries -first aid
11. Blisters - first aid

### **D. Shock**- The student will be able to recognize the symptoms of shock and what type of treatment should be administered:

1. Definitions
2. Causes
3. Signs and symptoms
4. Treatment objectives
5. First Aid

### **E. Respiratory Emergencies and Artificial Respiration** -The student will recognize situations that require the offering of CPR and will be able to identify precautionary measures to be used in swimming and boating:

1. Definitions
2. Causes of respiratory failure
3. The breathing process
4. Artificial respiration
5. Cardio-pulmonary resuscitation
6. Prevention of respiratory accidents
7. Swimming safety tips
8. Boating safety tips

**F. Swallowed objects and choking** - The student will correctly identify the steps of the Heimlich maneuver

1. Causes of choking
2. Signs and symptoms
3. First aid
4. Prevention

**G. Poisoning** -The student will identify correct calling procedure to contact Poison Control Center. The student will demonstrate an understanding of how to prevent poisoning and what precautions could be used to prevent poisoning.

1. Definitions
2. Causes
3. Signs and symptoms
4. Objective in treatment of poisoning by mouth
5. First aid
6. Contact poisons
7. Prevention
8. Poisoning by marine life
9. Poisonous insect bites
10. Poisonous snake bites
11. Prevention of accidental poisoning

**H. Burns** -The student will demonstrate appropriate first aid procedures for first, second and third degree burns.

1. Definitions
2. Causes and effects
3. Classification
4. Extent and location
5. First aid
6. Prevention of heat emergencies

**I. Frostbite and Cold Exposure** -The student will demonstrate an understanding of the prevention of exposure and what to do to minimize the effects of frostbite and cold.

1. Frostbite
2. Cold exposure
3. Prevention of injuries from extreme cold

**J. Heat Stroke, Heat Cramps, and Heat Exhaustion** -The student will identify effective means to prevent and reduce the effects of heat exposure and what first aid procedures are available.

1. Definition
2. Causes
3. Heat stroke
4. Heat cramps
5. Heat exhaustion

**K. Sudden Illness** - The student will demonstrate an understanding of the symptoms of a heart attack, stroke, convulsion and epilepsy.

1. Heart attack
2. Stroke
3. Fainting
4. Convulsions
5. Epilepsy
6. Prevention of heart attack

**L. Bone and Joint Injuries** -The student will be able to recognize and differentiate between a fracture, sprain, and strain.

1. Definition
2. Fractures
3. Specific fractions
4. Dislocation
5. Sprains and strain
6. Strains
7. Prevention of accidents resulting in skeletal and muscular injuries

**M. Evaluation**

1. Units and/or chapter tests
2. Class participation
3. Demonstrations of first aid techniques

**UNIT III - Careers Education**

**A.** The student will receive an orientation to the career center in order to:

1. Complete three career occupation reports.
2. Demonstrate knowledge of the locations of vocational, military, college and university information.
3. R.O.P./Work Experience Programs

**B.** The student will take the profile COPS Inventory; this inventory should offer interest information to the student as an assist in preparation for future careers.

**C.** The student will demonstrate knowledge of the appropriate steps in preparation for a job interview and how one should conduct oneself during the course of a job interview.

**D.** The student will demonstrate an understanding of the following tests:

1. Preliminary Scholastic Aptitude Test (PSAT)
2. Scholastic Aptitude Test (SAT)
3. American College Test (ACT)

**E.** The student will display knowledge of the entrance requirements, general major offerings, financial costs, and geographic locations of the following higher education systems:

1. Community College
2. California State University
3. University of California

**UNIT IV - Disasters / Environmental Issues**

**A. Fire**

1. The student will design a house fire escape plan.
2. The student will develop a prevention plan.
3. The student will demonstrate knowledge of what to do in case of a fire.

**B. Floods** (Focus on Sacramento area: Auburn Darn, Folsom Darn and river system)

1. The student will demonstrate understanding of how we may prevent floods.
2. The student will demonstrate understanding of the precarious nature of Sacramento.
3. The student will demonstrate knowledge of what to do in case o f a flood.

### **C. Pollution** (water, noise, air, radiation)

1. The student will demonstrate knowledge of the extent of a problem.
2. The student will identify problems associated with pollution.
3. The student will show knowledge of some possible solutions to the problems of pollution.

### **SUBJECT AREA CONTENT-STANDARDS TO BE ADDRESSED:**

Students will be able to:

- Pass test on Chapter 1: You are the Driver, Demonstrate knowledge of defensive driving, to be a responsible driver.
- Pass test on Chapter 2: Signs Signals, Roadway Markings. Be able to identify and describe signs, signals and roadway markings.
- Pass test on Chapter 3: Basic Car Control. Complete multiple choice, identify and locate instruments on car.
- Pass test on Chapter 4: Making Safe Driving Decisions - The IPDE Process Be able to explain the purpose of the IPDE process.
- Pass test on Chapter 5: Natural Laws and Car Control. Describe gravity and energy of motion. Explain friction and fraction. Understand force of impact and restraint devices.
- Pass test on Chapter 6: Performing Basic Car Maneuvers. Practice hand position, hand signals and explain basic car maneuvers.
- Pass test on Chapter 7: Negotiating Intersections. Be able to describe: controlled and uncontrolled intersections.
- Pass test on Chapter 8: Sharing the Roadway. All students will be able to describe and explain problems sharing the roadway.
- Pass test on Chapter 9: Driving in Urban Areas. All students will be able to describe and explain problems driving in urban areas.
- Pass test on Chapter 10: Highway Driving. All students will be able to describe and explain problems driving on a highway.
- Pass test on Chapter 11: Expressway Driving. All students will be able to describe and explain problems driving on an expressway.
- Pass test on Chapter 12: Adverse Conditions. All students will be able to describe and explain problems of adverse conditions.
- Pass test on Chapter 13: Emergencies. All students will be able to describe and explain problems of emergencies.
- Pass test on Chapter 14: Your Responsibilities as a Driver. Complete multiple choice, completion and vocabulary questions. All students will be able to describe and explain the effects of driver condition on risk taking.
- Pass test on Chapter 15: Alcohol, Other Drugs, and Driving. Complete multiple choice, completion and vocabulary questions. All students will be able to describe and explain alcohol, other drugs, and driving.
- Pass test on Chapter 16: Buying and Insuring a Car. Complete multiple choice, completion and vocabulary questions. All students will be able to describe and explain responsibilities of owning a vehicle.
- Pass test on Chapter 17: Owning and Maintaining a Car. Complete multiple choice, completion and vocabulary questions.
- Pass test on Chapter 18: Driving for Pleasure. Complete multiple choice, completion and vocabulary questions. All students will be able to demonstrate and explain planning your travel.

## Every 15 Minutes

Outstanding program - Should be presented every year.

Recommendation:

1. Have presentation in football stadium
2. Helicopter arrival north end of stadium
3. All students set in west end of stadium
4. Much demonstration- set up on west end of track
5. Follow up – show video in all Driver Education Classes
6. Hand out "Every 15 Minutes" package in Driver Education
7. Have all participants rally in gym

## Driver Education Speakers

Speaker Name	Organization	Phone Number
Jim Cooper	Sacramento Sheriff Dept.	(916) 723- 2024
Jeff Bech	Designated Driver	(916) 371 -4555
Dan Floyd	Roadway Express	(916) 322 -2905
Russell Turner	Crime and Violence Prevention	(916) 481 -1940

"Folsom Auto Mall" Any New and Used Car Salesman"  
Insurance "Car" "local Insurance Brochure

## Driver Education

Other Resource Booklets:

Shell Oil: (May be picked up at local service station)

Energy Book	Gasoline Mileage Book	Car Buying & Selling Book
100,000-Mile Book	Rush Hour Book	Car Repair Shopping Book
Car Crime Prevention	Car Fix-up	Foul Weather Driving Book
Unexpected Dangers Book	Driving Skills Book	Accident Book
Self-Service Book	Tune-up Book	Gasoline Book
Driving Hazards Book	Longer Car Life Book	Protect Your Car and the Environment
Driving Dangers	How to Help the Injured and Maybe Save a Life	How to Keep Your Car Healthy

### AAA:

(Call your local dealer)  
Oilscan  
Theft and Fire  
CSAA Diagnostic Clinic  
Distress Signal  
Car Care  
Directory of California & Nevada Repair Facilities

### DMV:

“Report of Traffic Accident” (916)- 983-0121

**THIS COURSE WILL PREPARE STUDENTS FOR THE CAHSEE and/or CSTs:**

Writing, Reading, Language Arts

**LAB FEE IF REQUIRED:** None

**DISTRICT ESLRs TO BE ADDRESSED:**

- **Self Directed Learners:** Students will utilize their knowledge of Driver Education to understand its relation to safety. In order to do so requires intrinsic motivation which is the essence of self-direction.
- **Effective Communicators:** Students will be able to use PowerPoint to convey cogent arguments with proper public speaking skills on topics related to careers.
- **Quality Producers/Performers:** Students will take pride in their quality of work and who will use time management and organizational skills to produce a quality product.
- **Constructive Thinkers:** Students are able to take learned information and integrate it into a construct, and a holistic perspective, that allows for free and independent thought processes when dealing with Driver Education and Careers.
- **Collaborative Workers:** Students will work cooperatively and collaboratively with a wide diversity of fellow students to facilitate an understanding of the coursework.
- **Responsible Citizens:** Students will practice democratic values with integrity and responsibility within the classroom to help foster a positive learning environment for all students.