

FOLSOM CORDOVA UNIFIED SCHOOL DISTRICT

**Course Outline
Driver Education**

Date: November 2001

Subject Area: Health/Safety

Proposed Grade Level(s): 10th grade only

Course Length: 1 Semester

Grading: A-F or Pass/Fail

Number of Credits: 5

Prerequisites: None

GENERAL GOALS/PURPOSES:

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 Hand Book
- Read and comprehend test questions and answers
- Use the Internet to research a variety of topics, including presentation skills and tips and tricks for a variety of computer multimedia
- Read chapters 1-18 and do all homework 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 class lectures
- 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 education 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/ answer 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 inherent 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 an 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 an 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 an understanding of the 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 motorcyclists
- 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 of highway driving: characteristics of 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 errors

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

basic speed law
guide sign
lane signal
identify
IPDE process
minimum speed limit
roadway users
roadway marking
right-turn-on-red
right-of-way
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
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
minimum speed limit
velocitation
hydroplaning
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
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

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
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.

4. Definition
5. Causes
6. Heat stroke
7. Heat cramps
8. 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 Dam, Folsom Dam 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 of 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.

THIS COURSE WILL PREPARE STUDENTS FOR THE HSEE:

- Writing
- Reading
- Language Arts

LAB FEE IF, REQUIRED: None

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
eff 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