

# In-Car Curriculum

## Lesson 1: In open lot

### FOCUS POINTS:

- ❖ Approaching Car
- ❖ Preparing to Drive
- ❖ Exiting Car
- ❖ Moving & Targeting

- Approaching car:
  - Searching for Obstacles, Tire condition, Leaking fluids, Wheel direction
  - Door swing
- Preparing to drive:
  - Phones in glove box
  - Seatbelt: Snug across chest and hips
  - Key in ignition
  - Lock doors
  - Driving position:
    - Butt back in seat
    - Right heel on floor behind brake
    - Top of steering wheel at shoulder height
    - Top of steering wheel under wrists when arms extended
  - Personal Adjustments:
    - Seat position, Steering wheel, Seatbelt anchor, Head restraint
    - Setting mirrors: move head to reduce blind-spot
  - Emergency Brake & release button
  - Starting the car
    - Foot on brake
    - Start engine: Release key as soon as engine starts
    - Gear shift
    - Practice moving Gear shift with foot on brake and emergency brake still on
      - Open palm shift from Drive to Neutral
  - Lights on even during daytime.
  - Gripping the wheel
    - Hands at 9-3 or 8-4
    - Thumbs and knuckles on outside of wheel (give yourself a thumbs-up!)
- Exiting the car:
  - Set the parking brake
  - Put the shift lever into park
  - Turn off all accessories and lights
  - Close the windows
  - Turn the engine off
  - Check for nearby traffic

***Have all students go through***

Then repeat “rapid fire”:

- Approaching the car – have student narrate – remind if something missed
- Preparing to drive – have student narrate – remind if something missed
- Moving and targeting: - [make sure to help student look out for other traffic etc.]
  - Practice use of gas and brake while in park (keep heel on the floor)
  - Foot on brake, Shift into drive, release emergency brake
  - Check to make sure traffic is clear (if on street, use indicator)
  - Remove foot from brake and shift foot to the accelerator
  - Targeting
    - Have student aim the car to a target
    - Bring the car to a stop
    - Choose a different target
      - Have the student look to the new target before moving the car
      - Keep central vision on target as car moves
    - Repeat
      - Have students line up the center of the steering wheel with target (see the wheel with fringe vision – central vision stays on target)
    - Repeat (2-3 times)
      - Have student maintain steady speed
      - Note/encourage
        - Steady speed
        - Smooth starts/stops
        - Head turn leads the car
        - Eyes on target (line up center of steering wheel without eyes leaving the target)
    - Have student choose target [continue to note/ encourage as above]
    - Repeat
- Exiting the car: - [have student narrate – remind if necessary]
  - Set the parking brake
  - Put the shift lever into park
  - Turn off all accessories and lights
  - Close the windows
  - Turn the engine off
  - Check for nearby traffic

***Have all students go through.***

**Lesson 2:** In open lot – use cones to create a lane with two targets – (if possible have cones centered on a horizontal line)

Can place tape for Right Tire and 3-foot reference points

Start with car in parking spot at Front Bumper and Right Tire reference point

**FOCUS POINTS:**

- ❖ Introduction to Gauges and Controls
- ❖ Steering Technique
  - Hand to Hand
  - Hand over Hand
- ❖ Smooth Starts and Stops
  - Inching
  - Creeping
  - Trail Braking
  - Staggered Stop
- ❖ Reference Points:
  - Front Bumper
  - Right Side
- ❖ Parking at a Curb
- ❖ Under the Hood

- **Review Lesson 1:**

- ***Approaching Car; Preparing to Drive; Targeting; Exiting Car***

- Phones in glove box

- Introduction to Gauges and Controls:

- Have students find/identify/practice\* [will vary with car model]
  - Speedometer
  - Odometer
  - Gear indicator
  - Temperature gauge
  - Oil pressure gauge
  - Fuel gauge/ gas cap indicator
  - Indicator lever
  - \*Head light/ bright light control
  - \*Hazard lights
  - \*Windshield wiper lever (on, intermittent, wash)
  - Symbols on instrument panel
  - \*Horn – practice light tap verses “Hitting” the horn
  - \*Window controls
  - \*Climate control – what to do if the windows fog
  - \*Window defroster
  - Gas cap release
  - Hood release

- Steering Technique: [car in park]

- Normal 9-3/ 10-4
- Hand to hand
- Hand over hand

- Practice braking: [car in Park]

- Practice braking and releasing pressure with toes

- Reference points: [car in park]
  - Right Tire
  - Front bumper
  
- Smooth Starts and Stops:
  - Indicator on
  - Foot on brake, Shift into drive, release emergency brake
  - Check to make sure traffic is clear (use mirrors and check blind spot)
  - Remove foot from brake and shift foot to the accelerator
  - Practice accelerating – in open space
    - Inching – inch-by-inch
    - Creeping – idle acceleration
    - Progressive acceleration
    - Practice smooth starts and stops
    - Steering:
      - Fixed
      - Hand to hand
      - Hand over hand
  
- Targeting: - Review Targeting - Aim directly to cone; stop with being able to see base of cone; travel left (counter clockwise) around cone; bring car on target; repeat [First time have all students guess how much space is between car and cone, secure and exit car to observe Staggered Stop – Explain advantages remind reference point, re-enter car.]
  - Incorporate:
    - Smooth starts and stops
    - Staggered Stop
    - Hand to hand Steering
    - Hand over hand Steering
  
- Targeting: Stay to left side of cones (treat imaginary line between cones as a curb line); come to stop - front bumper even with cone (Front Bumper reference point); travel clockwise around cone; bring car on target; repeat; teach 3-foot reference point (Side Position Right Turn). Explain that the space to either side of the wheel corresponds to the travel path of the tires to the target.
  - Incorporate:
    - Have student choose and say target
    - Smooth starts and stops
    - Front Bumper Reference Point - [secure and exit car or re-teach if necessary]
    - 3-Foot Reference point - [secure and exit car or re-teach if necessary]
      - Establish side position before you get to the cone
    - Hand to hand Steering
    - Hand over hand Steering
  
- Parking at a curb
  - Use indicator
  - Use Right tire reference point
  - Eyes on target (not reference point)
  - Smooth stop
  - Repeat [have students exit car to look or re-teach reference point if necessary]
  
- Park in spot:
  - Use Front Bumper and Right Side Reference Point

***Have all students go through.***

- Pop hood (all together) – [if time]
  - Demonstrate how to open/ close/ prop open
  - locate:
    - Oil (filler cap & dipstick)
    - Coolant
    - Washer fluid
    - Air filter
    - Battery

**Lesson 3:** In open lot – have cones set up in rectangle. Can place tape for Left Tire reference point  
Start with car in parking spot at Front Bumper and Left Tire reference point

**FOCUS POINTS:**

- ❖ Using Gauges and Controls
- ❖ Reference Points
  - Left Side
  - Rear Bumper
- ❖ Precision Turns
  - Right
  - Left
- ❖ Backing
  - Searching
  - Steering
  - Targeting

- **Review Lessons 1 & 2:**

***Approaching Car; Preparing to Drive; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Parking at a Curb; Exiting Car***

- Phones in glove box

- **Gauges and Controls:**

- Give students 1 minute to familiarize themselves with location of gauges and controls:
- Rapid fire: [Car in Park; Emergency Brake engaged – change order and cadence for each student]
  - Start car [check prompt key release]
  - Identify symbols that light up with ignition
  - Turn on/off lights
  - Turn on/off High Beams
  - Flash High beams
  - Indicator right
  - Indicator left
  - How much fuel remaining
  - Temperature gauge reading
  - Windshield wipers on/off/ intermittent
  - Windshield wash
  - Hazzard lights on/off
  - Rear window defroster on/off
  - Climate control defrost/ clear windows
  - Air recirculate
  - Doors lock/unlock
  - Windows lower/raise
  - Double tap horn

- Precision right turns – with full stop [then without stop after demonstrating all below]
  - Incorporate:
    - Targeting
    - Signaling
    - Reference Points: Forward Position & Side Position
    - Smooth Start and stop
    - Checking Left; Front; Right – [Have student say: “Clear Left”, “Clear Front”, “Clear Right”]
    - Choosing a new target before proceeding
    - Steering Techniques
    - Transition Point – [Teach after several turns with stop]
  
- Precision left turns – with full stop [then without stop after demonstrating all below]
  - Incorporate:
    - Targeting
    - Signaling
    - Reference Points: Front Bumper reference point & Side Position
    - Smooth Start and stop
    - Checking Left; Front; Right – [Have student say: “Clear Left”, “Clear Front”, “Clear Right”]
    - Choosing a new target before proceeding
    - Reference Points: Forward Position
    - Steering Techniques
    - Transition Point – [Teach after several turns with stop]
  
- Backing:
  - Practice shifting into reverse
  - Searching: with foot still on brake
    - Mirrors
    - Blind spot
    - Turn over shoulder
  - Targeting in Reverse
    - Incorporate:
      - Smooth starts and stops
      - Inching and creeping
      - Line up with center of rear windshield or center of rear-view mirror
      - Steering Technique:
        - Left hand at 12
        - Steer in direction you want to go
      - Glance to front corners
      - Rear bumper reference point
  
- Review Parking at a curb
  - Use indicator
  - Use Right tire reference point
  - Eyes on target (not reference point)
  - Smooth stop
  - Repeat [have students exit car to look or re-teach reference point if necessary]
  
- Park in spot:
  - Use Front Bumper and Left Side Reference Point

***Have all students go through.***

**Lesson 4:** On local streets. Keep tape for Left Tire, Right Tire, and 3-foot reference points

FOCUS POINTS:

- ❖ Leaving the Curb
- ❖ Parking at the Curb
- ❖ Introduction to Searching
  - Searching to the target
  - Searching for gaps
  - Searching at intersections
    - Vehicle traffic
    - Ped/Bike conflicts
- ❖ Lane Positions
- ❖ 3-Stops
- ❖ Turn-about
  - 2-point Turns
  - 3-point Turns

- **Review Lessons 1 -3:**  
*Approaching Car; Preparing to Drive; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Parking at a Curb; Backing; Exiting the Car*
  - Phones in glove box
- Pulling away from curb
  - Signal
  - Check mirrors/blind spots
  - Search for a gap
  - Smooth start
  - Steering technique
  - Find target and side position
  - Cancel signal
  - Check rear zone
- Parking at a curb
  - Signal
  - Check rear zone
  - Find space at curb
  - Check mirrors and blind spots
  - Reduce speed
  - Find target and side position
  - Smooth stop
  - Cancel signal
- Repeat 2-3 times
  - When parked at curb –
    - Use passing cars to check proper adjustment of mirrors (track from rear to side to peripheral vision)



[While stopped]: Review Precision turns; Introduce legal and safety stop – [remind reference points and creeping]

- Extended drive 1:
  - Incorporate:
    - Searching to target
    - Smooth starts and stops
    - Precision turns
      - Reference Points
        - Side Position
        - Forward Position
        - Transition Point
      - Steering Techniques
      - 3-Stops
        - Staggered
        - Legal
        - Safety
  - Searching for traffic & ped/bike at intersections
  - Searching for gaps – anytime stopped or entering traffic

[While stopped]: Introduce Lane positions; Note/Compliment/Correct all above

- Extended drive 2:
  - Incorporate:
    - Lane positions
      - Center
      - Left
      - Right
- Turn-about
  - Two point turn – Teach Reference Point: Backing Pivot Point
    - Backing into a street or driveway to Right
    - Turning into a street or driveway to the Left
    - Turning into a street or driveway to the Right
  - Three point turn

***Have all students go through.***

**Lesson 5:** On local streets.

FOCUS POINTS:

- ❖ Visual Search
  - Visual lead – Searching the Target Area
  - Control Zone – Evaluate the Path of Travel
- ❖ Turn-about
  - U-Turns
- ❖ Introduction of Open/Closed Zones
- ❖ Signs, Signals, Markings

- **Review Lessons 1 -4:**  
*Approaching Car; Preparing to Drive; Leaving Curb; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Searching; Turn-about; Backing; 3-Stops; Parking at a Curb; Exiting the Car*
  - Phones in glove box

Extended drive - Local roads, minimal traffic: Review 2-point turn; 3-point turn

- Note/Compliment/Correct
  - Approaching Car
  - Preparing to Drive
  - **Leaving Curb**
  - **Smooth starts and stops**
  - **Steering technique**
  - **Signaling**
  - **Lane position**
  - **Searching**
  - **Backing**
  - **Parking at a Curb**
- Include/Review (repeat until correct technique is used):
  - Stopping
    - Staggered
    - Legal
    - Safety
  - Precision turns
    - Right – with and without stop
    - Left – with and without a stop
  - Turn-about
    - 2-point turn
    - 3-point turn
  - Introduce Search pattern: near to far, and left to right
    - Visual lead
    - Control Zone
  - Introduce open and closed zones (Line-of Sight/Path-of-Travel Blockages) “is your target area open or closed.”

- Teach U-turn
  - Knowing your turning radius
  - Searching for a gap
  - From the Curb
  - At an intersection
  
- Signs signals markings commentary driving/scavenger hunt
  - All in car can participate
    - Color - meaning
    - Shape - meaning
    - Actions that should be taken

***Have all students go through.***

## Lesson 6: On local and multilane streets and parking lots

### FOCUS POINTS:

- ❖ Review of Lessons 1-5
- ❖ Entering Traffic
- ❖ Changing lanes
- ❖ Parking and Unparking

- **Review Lessons 1 - 5:**

***Approaching Car; Preparing to Drive; Leaving Curb; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Searching; Turn-about; Backing; 3-Stops; Parking at a Curb; Exiting the Car***

- Phones in glove box

### Extended drive #1- local roads

- Note/Compliment/Correct
  - Approaching Car
  - Preparing to Drive
  - Leaving Curb
  - **Smooth starts and stops**
  - **Steering technique**
  - **Signaling**
  - **Lane position**
  - **Precision Turns**
  - **Searching**
  - **Backing**
  - **Turn-about**
  - Parking at a Curb
- [While parked] Teach - Changing Lanes
  - Check ahead, to the sides, and to the rear for a safe gap in traffic.
  - Signal your intention to move left or right.
  - Move to Left or Right Lane position
  - Re-check blind areas in the direction of your intended lane change.
  - When conditions are safe, change lanes increasing speed if appropriate.
  - Enter the Right or Left Lane position.
  - Cancel your turn signal and re-check your mirrors.
  - Adjust your vehicle's speed and lane position.
- Practice – multilane roads:
  - Entering traffic
    - Gap – 4-6 seconds between cars
    - Hole – 10-15 seconds between groups of cars
  - Changing Lanes
    - \*Remind\* if crossing multiple lanes the whole process must be repeated.
  - Parking (Perpendicular)
    - 6-foot Reference Point
    - Begin turning wheel when driver lined up with beginning of spot before intended parking spot
    - Front Bumper Reference Point
  - Unparking
    - Back straight until driver is even with rear of cars to either side – then turn wheel
    - Check front swing

***Have all students go through.***

## Lesson 7: On multilane streets with moderate traffic and parking lots

### FOCUS POINTS:

- ❖ 6 zones of space
  - Open
  - Closed – blocked due to line-of-sight or path-of-travel restriction
- ❖ Left Turn in Traffic
- ❖ Turn-about in Traffic
- ❖ Backing into a parking spot

- **Review Lessons 1 - 6:**

***Approaching Car; Preparing to Drive; Leaving Curb; Entering Traffic; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Changing Lanes; Searching; Turn-about; Backing; 3-Stops; Parking at a Curb; Parking and Unparking; Exiting the Car***

- Phones in glove box

Extended drive #1- [While parked - Explain 6 zones of space – have all in car participate in finding open and closed zones.

A CLOSED ZONE cannot be entered: blocked due to line-of-sight or path-of-travel.

Any time there is a closed zone, check other zones, control speed position and communication.

Treat a red light as a closed front zone.]

- Note/Compliment/Correct

- Approaching Car
- Preparing to Drive
- Leaving Curb
- **Entering traffic – *when proficient* – begin merge when the back of car is even with the driver**
- Smooth starts and stops
- Steering technique
- **Signaling**
- **Lane position**
- **Changing Lanes**
- **Precision Turns**
- **Searching**
- **Backing**
- **Turn-about**
- Parking at a Curb
- **Parking and Unparking**

- Include:

- Searching/ noting Closed Zones
- Left Turn in Traffic
  - Keep wheels straight while waiting for gap
    - *when proficient* – begin merge when the back of car is even with the driver
  - Dedicated Turn lane
    - Maintain speed until entering
    - Center car with reference points
    - Keep wheels straight while waiting for gap
- Turn-about in Traffic
  - Have students choose and narrate

- [While parked] Teach – Backing into a spot
  - SIDE POSITION: 2-3 feet from parked cars, signal.
  - FORWARD POSITION: Your body aligned with the center of the parking space.
  - 45-DEGREE TARGET: Use the outside edge of driver's side mirror to find a stationary object.
  - CREEP AND TURN WHEEL FAST: Align to new target.
  - LINE UP THE CAR WITH SPACE: Look over right shoulder.
  - BACK TO REAR PIVOT POINT: Shift to Reverse and back to where the corner of the parked is aligned with the rear window corner post.
  - INCH AND TURN WHEEL FAST: Turning wheel fully to the right.
  - STRAIGHTEN WHEELS: Observe when the car is straight in the space.
  - BACK TO REAR REFERENCE POINT: Look over your Left or Right shoulder.
- Practice 2-3 times

***Have all students go through.***

## Lesson 8: On local and multilane streets with moderate traffic and active parking lots

### FOCUS POINTS:

- ❖ Consistency in techniques [see review topics]
- ❖ Active searching
  - Danger Zone – 4 seconds ahead: the last opportunity to control your path of travel
- ❖ Change in Condition = Cover brake; Cover horn, Eyes up
- ❖ Entering traffic using a dedicated turn lane
- ❖ Parallel Parking

- **Review Lessons 1 - 7:**

***Approaching Car; Preparing to Drive; Leaving Curb; Entering Traffic; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Changing Lanes; Searching; 6-Zones of space; Turn-about; Backing; 3-Stops; Parking at a Curb; Parking and Unparking (Backing into a spot); Exiting the Car***

- Phones in glove box

Extended drive - [Review 6 zones of space – have all in car participate in finding open and closed zones  
Changes in Condition – unstable zones within the Danger Zone]

- Note/Compliment/Correct

- Approaching Car
- Preparing to Drive
- Leaving Curb
- **Entering Traffic**
- Smooth starts and stops
- Steering technique
- **Signaling**
- **Lane position**
- **Changing Lanes**
- **Precision Turns**
- **Searching**
  - Visual Lead
  - Control Zone
  - Danger Zone
- Backing
- **Turn-about**
- Parking at a Curb
- **Parking and Unparking**

- Include:

- Searching – Danger Zone
  - Using condition and clues from other vehicles to anticipate danger
  - Change in Condition [of your line-of-sight or path-of-travel] = Cover brake; Cover horn, Eyes up
    - Controlling the Rear Zone
- Using dedicated turn lane to enter traffic
  - Left turn to dedicated lane
  - Search for gap
  - Enter flow of traffic to right

- Parallel Parking:
  - Check traffic to the rear, signal your intentions using your brake lights and right turn signal.
  - Position your vehicle 2-3 feet from the vehicle you will be parking behind. (Line up the edge of the vehicle in the middle of the right side of the hood.) Pull even with the vehicle. Adjust the passenger side mirror down.
  - Drive straight back until the back end of the vehicle you are parking behind is at the rear pivot point (disappears into the rear windshield's corner post/ reappears in the rear "triangle window"). Quickly turn the wheel completely to the right, continue to back slowly.
  - When the "center post" (separating the front and back seat areas) lines up with the back end of the vehicle you are parking behind, straighten the wheel. Continue to back in a straight line.
  - When the side mirror covers the tail light of the vehicle you are parking behind, turn the wheel quickly to the left. Continue to back slowly.
  - When your car is parallel to the curb (using the side mirror to confirm) shift into drive, straighten the wheel, and drive to the middle of the parking space.
  
- Practice 3 times – pause in between steps:
  - Instructor explain one step at a time then student executes
  - Instructor guide while student executes
  - Student narrates while executes

***Have all students go through.***



**Lesson 9:** On well-traveled local and multilane streets with moderate traffic for longer distances at varying speeds

FOCUS POINTS:

- ❖ Review of Basic Techniques [see Review Lessons 1-8]
- ❖ Following Distance – 3-4 seconds
- ❖ Staggered stop (see tires of car in front)
  - Search rear zone until 1-2 cars are stopped behind
- ❖ Space Cushion
  - Separating
  - Compromising
- ❖ Matching the flow of traffic
- ❖ “Stale” Green light
- ❖ Right Turn on Red

- **Review Lessons 1 - 8:**

***Approaching Car; Preparing to Drive; Leaving Curb; Entering Traffic; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Changing Lanes; Active Searching; 6-Zones of space; Controlling the Rear Zone; Anticipating Other’s Actions; Turn-about; Backing; 3-Stops; Parking at a Curb; Parking and Unparking (Backing into a spot); Exiting the Car***

- Phones in glove box

Extended drive - [Explain use of space, counting following distance – have all in car participate in guess/check following distance and noting examples of separating and compromising space]

- Note/Compliment/Correct

- Approaching Car
- Preparing to Drive
- Leaving Curb
- **Entering Traffic**
- Smooth starts and stops
- Steering technique
- **Signaling**
- **Lane position**
- **Changing Lanes**
- **Precision Turns**
- **Active Searching**
- **Controlling the Rear Zone**
- **Anticipating Other’s Actions**
- Backing
- **Turn-about**
- Parking at a Curb
- **Parking and Unparking**

- Include:

- Following Distance
  - 3-4 seconds
  - Staggered stop- control rear zone
- Space Cushion – front and at least 1 side
  - If Front/Left and Front/Right Zones closed – reduce speed and control rear zone (Change in condition)
  - Separating
  - Compromising

- Matching the flow of traffic
- “Stale” Green light – anticipating change in signal
  - Using clues to anticipate red light
    - Pedestrian signals
    - Cross traffic lined up
- Right Turn on Red
  - Proper stop
  - Searching the intersection
  - Finding Gap or Hole

***Have all students go through.***

**Lesson 10:** On local and multi-lane streets and parking lots with low traffic flow

FOCUS POINTS:

- ❖ Commentary Driving involving Basic Techniques [see Review Lessons 1-9]

- **Review Lessons 1 - 9:**

***Approaching Car; Preparing to Drive; Leaving Curb; Entering Traffic; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Changing Lanes; Right turn on Red; Active Searching; 6-Zones of space; Controlling the Rear Zone; Following Distance; Space Cushion; Anticipating Other's Actions; Turn-about; Backing; 3-Stops; Parking at a Curb; Parking and Unparking (Backing into a spot); Exiting the Car***

- Phones in glove box

Extended drive - [Explain commentary driving, narrating all the actions you are taking, in minute detail, describing (based on circumstance) what you see, do, plan, anticipate.]

**\*\*Begin commentary driving in low risk circumstances as the process may be difficult to some students\*\***

- Begin very simple and concrete, focusing on controlling zones of space: (The instructor may have to model this)
  - Example:
    - State 1 line-of-sight or path-of-travel blockage
    - State other zone conditions (open/closed)
    - Explain actions to get best speed, position, communication
- If student is ready, instructor should prompt commentary on specific techniques [taken from **Review Lessons 1 - 9**].
  - Examples:
    - At the second light, turn left and talk me through all the steps of your precision turn.
    - What is your following distance and narrate how you will confirm this.
    - Begin to narrate how you are communicating with other drivers.
    - When it is safe to do so, reverse directions. Decide what turn-about to use and talk me through the process.
    - Searching to your target area, describe what potential risks you anticipate and what actions you take to control them.
    - Begin to communicate the information you are getting from signs signals and markings.
    - Begin to narrate the visual information that is allowing you to anticipate the actions of other drivers in your Danger Zone.
- Depending on how successful the student is, the student can choose what to narrate, switching naturally between techniques as is appropriate to the driving conditions.
- Park and process with the student. Note, comment and correct.

***Have all students go through.***

## Lesson 11: In an open lot and on local streets or other appropriate locations

### FOCUS POINTS:

- ❖ Emergency Maneuvers
  - Evasive Braking – ABS
  - Hard Smooth Stop
  - Evasive Steering
  - Skid Recovery – Eyes and wheel ON TARGET
  - Off-road recovery
- ❖ Adverse conditions
  - Reduced Visibility preparation
- ❖ Vehicle failures
  - Brake failure
  - Engine Stall
  - Engine Overheat
  - Tire Blowout
- ❖ Parallel parking

- For each emergency scenario:
  - Teach, review, rehearse, have students narrate while car is parked.
  - Have student execute (based on ability, comfort level, and practicality)
  - Park and process with the student. Note, comment and correct.
  - Repeat if necessary
- Parallel Parking - Review procedure with students or ask students to talk through procedure
- Practice 2-3 parks
- Note/Compliment/Correct
- Parallel Parking: **\*if parking in a tight space with moderate traffic**
  - Check traffic to the rear, signal your intentions using your brake lights and right turn signal.
  - Position your vehicle 2-3 feet from the vehicle you will be parking behind. (Line up the edge of the vehicle in the middle of the right side of the hood.) **\*Pull even with the space to make sure you will fit and to make sure cars behind you give you the room to complete the parallel park.** Pull even with the vehicle in front. Adjust the passenger side mirror down.
  - Drive straight back until the back end of the vehicle you are parking behind is at the rear pivot point (disappears into the rear windshield's corner post/ reappears in the rear "triangle window"). Quickly turn the wheel completely to the right, continue to back slowly.
  - When the "center post" (separating the front and back seat areas) lines up with the back end of the vehicle you are parking behind, straighten the wheel. Continue to back in a straight line.
  - When the side mirror covers the tail light of the vehicle you are parking behind, turn the wheel quickly to the left. Continue to back slowly.
  - When your car is parallel to the curb (using the side mirror to confirm) shift into drive, straighten the wheel, and drive to the middle of the parking space.

***Have all students go through.***

**Lesson 12:** On expressways or other limited access roadways at higher speeds

FOCUS POINTS:

- ❖ Merging
- ❖ Matching Traffic Flow
- ❖ Following Distance
- ❖ Changing Lanes
- ❖ Visual lead/ Search Pattern
- ❖ Space Cushion
- ❖ Exiting

- [While parked] Teach – Entering and Exiting on the Freeway
  - Entering
    - Check rear zone and keep 3-4 second following distance
    - Search for Gap or Hole
    - Signal and accelerate quickly or adjust speed and position to gap
    - Check mirrors, signal, check mirrors and blind spot
    - Merge
    - Re-check all mirrors and rear zone
  - Exiting
    - Signal early, maintain speed, check mirrors and rear zone
    - Enter deceleration lane, then begin slowing [Slow down in the exit lane, not in traffic]
    - Weave lanes
  - Weave Lanes - when cars exit and enter in the same lane
    - The vehicle that is exiting has the right of way
    - However, when possible, a merging car should go ahead of an exiting car
- Practice getting on and off the expressway several times:
- [While parked] Review: Visual Lead/ Search Pattern; Matching Traffic Flow; Following Distances; Space Cushion; Changing lanes.

Extended Highway drive:

- Include:
  - **Merging onto Highway**
  - **Matching Traffic Flow**
  - **Steering technique**
  - **Signaling**
  - **Lane position**
  - **Changing Lanes**
  - **Visual Lead/Active Searching**
  - **Following Distances**
  - **Space Cushion**
  - **6-Zones of Space/ Zone Control**
  - **Controlling the Rear Zone**
  - **Anticipating Other's Actions**
  - **Exiting Highway**
- Park and process with the student. Note, comment and correct.

***Have all students go through.***

**Lesson 13:** On multilane streets at higher speeds with increased traffic and on expressways or other limited access roadways

FOCUS POINTS:

❖ Commentary Driving involving moderate to heavy traffic at higher speeds and Highway Driving

- **Review Lesson 12: Highway Driving**  
*Merging; Matching Traffic Flow; Following Distance; Changing Lanes; Visual lead/ Search Pattern; Space Cushion; Exiting*
  - Phones in glove box

Extended drive - [Explain commentary driving, narrating all the actions you are taking, in minute detail, describing (based on circumstance) what you see, do, plan, anticipate.]

\*\*If the student is becoming confident on the Highway than focus on commentary driving, if not take this lesson to reinforce basic highway driving skills introduced in Lesson 12\*\*

- Begin very simple and concrete, focusing on controlling zones of space: (The instructor may have to model this)
  - Example:
    - State 1 line-of-sight or path-of-travel blockage
    - State other zone conditions (open/closed)
    - Explain actions to get best speed, position, communication
- If student is ready, instructor should prompt commentary on specific techniques [taken from **Review Lesson 12**].
  - Examples:
    - When it is safe to do so, change lanes to the right and talk me through all the steps of your maneuver.
    - On this entrance ramp, narrate how you control your speed to achieve a safe and efficient merge.
    - As you prepare to get off at the next exit, communicate all the actions you take.
    - Searching to your target area, describe what potential risks you anticipate and what actions you take to control them.
    - Begin to communicate the information you are getting from signs signals and markings.
    - Begin to narrate the visual information that is allowing you to anticipate the actions of other drivers in your Danger Zone.
    - Explain how you are determining if you are maintaining an appropriate following distance.
    - As you prepare to pass the truck in front of us, begin to communicate your actions and explain how you are “preparing for the worst” [proactively anticipating what could go wrong and taking actions to control the situation].
- Depending on how successful the student is, the student can choose what to narrate, switching naturally between techniques as is appropriate to the driving conditions.
- Park and process with the student. Note, comment and correct.

***Have all students go through.***

## Lesson 14: On Parkways

### FOCUS POINTS:

- ❖ Parkway driving – challenges of exit and entrance ramps, change in grade and curves, etc.

[While parked] Discuss with students the challenges of parkway driving

- Short and sharp ramps
- Changes in grade and curve
- Making accommodations for vehicles entering/exiting
- Lack of shoulder/ overpasses

Discuss implications for drivers

- Communicating with/ anticipating other drivers
- Merging and Exiting
- Maintaining a space cushion and escape path
- Need to change lanes often and quickly
- Etc.

Extended Parkway drive: instructor should be ready to verbally model based on situations

- Practice entering, exiting and driving on parkways
- Park and process with the student. Note, comment and correct.

***Have all students go through.***

Give students destination assignment: Students must choose a destination 15-20 minutes away, planning the route, navigating without GPS, showing competency in driving skills, coordinated with others in the car to arrive back on time. (i.e. ice cream shop, park, landmark, food, store, library, gas station, arcade, etc.)

**Lesson 15:** On local and multi-lane streets and parking lots with low traffic flow

FOCUS POINTS:

- ❖ Traveling to a Specific Destination
- ❖ Integration of All Driving Techniques
- ❖ How to fill up the tank

- **Review Lessons 1 - 14:**

***Approaching Car; Preparing to Drive; Leaving Curb; Entering Traffic; Smooth Starts and Stops; Targeting; Steering Technique; Reference Points; Precision turns; Signaling; Lane Positions; Changing Lanes; Right turn on Red; Active Searching; 6-Zones of space; Controlling the Rear Zone; Following Distance; Space Cushion; Anticipating Other's Actions; Turn-about; Highway Driving; Parkway Driving; Backing; 3-Stops; Parking at a Curb; Parking and Unparking (Backing into a spot); Exiting the Car***

- Phones in glove box

Extended drive – Each student should choose their destination and be able to arrive in approximately 15 minutes.

- Note/Compliment/Correct

- Approaching Car
- Preparing to Drive
- Leaving Curb
- Entering Traffic
- Smooth starts and stops
- Steering technique
- Signaling
- Lane position
- Changing Lanes
- Precision Turns
- Signaling/communication
- Lane Positions
- Changing Lanes
- Active Searching
- Controlling the Rear Zone
- Following distance
- Space cushion
- Anticipating Other's Actions
- Turn-about
- Highway Driving
- Parkway Driving
- Backing
- Stopping Position
- Parking at a Curb
- Parking and Unparking

- ***Have all students go through.***

- When it is convenient, have a student pull into a gas station.

- Remind students how to identify which side the gas cap is on and how to release the cap
- Secure and exit the car
- Guide the students through choosing the type of gas, paying, putting gas in the car, and securing the gas cap
- Answer any student questions

- **Give students Road Test Prep Sheet**



**Lesson 16:** On local and multilane streets, (unfamiliar to the students if possible)

FOCUS POINTS:

❖ Practice Road Test:

- Leaving the Curb
- Turns and Intersections
- Parking, Backing-Up & U-Turn (Parallel Park and 3 point turn)
- Driving in Traffic
- Vehicle Control

- Lead the student through a practice road test.
- Do not coach unless there is a safety concern.
- Have all students score on blank Evaluation forms.
- Park and process with the student. Note, comment, and evaluate.

***Have all students go through.***