**Driver Education Correspondence Course**

**Content Correlation**

**with the Virginia Standards of Learning**

**for Driver Education (** [**2022-driver-education-sol.docx**](https://www.doe.virginia.gov/testing/sol/standards_docs/driver_education/index.shtml) **)**

**School Name:** Click or tap here to enter text. **Address:** Click or tap here to enter text.

Street/City/State/Zip

**Submitted by:** Click or tap here to enter text. **Date:** Click or tap here to enter text.

**General Information**

**Please do not submit a course for approval if the course content and assessments do not cover all the objectives of the *Standards of Learning*.**

* **Please print all course materials and number pages consecutively.**
* **The assessment questions for all modules should be submitted in one document with the questions numbered consecutively.**

**Instructions for completing this form**

**Using the attached form, correlate the printed copy of your course materials with the *Virginia Standards of Learning for Driver Education*.**

* **Content “Page” Column**
  + **Provide the corresponding page numbers for all related content for each standard.**
  + **On the printed text highlight the related content for each standard.**
* **Leave the “Adequate”, “Limited” and “Not Evident” columns blank (these will be used by the course reviewers.)**
* **Assessment “Question Number” Column**
  + **Provide the question numbers for all assessments for each *Standard of Learning*.**
* **Leave the “Adequate”, “Limited” and “Not Evident” columns blank (these will be used by the course reviewers.)**

**Standard DE.1: The student will demonstrate an understanding of Virginia traffic laws, licensing procedures, and other responsibilities associated with the driving privilege. Key concepts include**

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| **DE.1a**  **demonstrating an understanding of graduated driver licensing requirements, types of licenses, and required identification documentation** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.1b**  **analyzing traffic safety information in the *Virginia Driver’s Manual*** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.1c**  **comparing the *Virginia Driver’s Manual* information with the motor vehicle section of the *Code of Virginia*** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.1: The student will demonstrate an understanding of Virginia traffic laws, licensing procedures, and other responsibilities associated with the driving privilege. Key concepts include**

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| **DE.1d**  **investigating the social implications and understanding the civic responsibility of the organ- and tissue- donation designation process** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.2: The student will demonstrate an understanding of basic vehicle operating procedures. Key concepts/skills include**

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| **DE.2a**  **understanding and sequentially demonstrating pre-driving procedures** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.2b**  **comparing starting procedures for automatic and manual transmissions** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.2c**  **interpreting and accurately responding to vehicle information, warning, and control devices** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE. 2d**  **applying efficient accelerating, braking, and steering techniques** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.2e**  **demonstrating vehicle securing procedures** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.3: The student will demonstrate the ability to use vehicle reference points and explain how visual referencing skills aid in judging vehicle position and distance when executing basic driving maneuvers for**

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| **DE.3a**  **parking** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.3b**  **turning** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.3c**  **establishing lane position** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.3d**  **backing** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.4:** The student will identify how laws of physics (i.e., momentum, gravity, inertia) effect force of impact. Key concepts/skills include

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| **DE.4a**  **analyzing how sitting and hand position affect ergonomics and vehicle control** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.4b**  **evaluating how steering, braking, and accelerating positively and negatively impact vehicle control and balance** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.4c**  **identifying and accurately compensating for shifts in vehicle load (from side to side, front to rear, and rear to front) that affect vehicle performance** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.4:** The student will identify how laws of physics (i.e., momentum, gravity, inertia) effect force of impact. Key concepts/skills include

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| **DE.4d**  **demonstrating how to prevent and correctly manage front tire traction loss (understeer) and rear tire traction loss (oversteer)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.4e**  **analyzing the cause and severity of types of collisions, (i.e., head-on, near-frontal, broadside, rear-end, rollover, sideswipe)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.5:** The student will demonstrate the ability to manage visibility, time, and space to reduce driving risk~~s~~ and avoid collisions. Key concepts/skills include

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| **DE.5a**  **demonstrating targeting and tracking skills** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.5b**  **synthesizing information visually from the driving environment using the Search, Evaluate and Execute in Time (SEEiT) space-management decision-making process** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.5c**  **applying following distance, time and other space management concepts** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.5:** The student will demonstrate the ability to manage visibility, time, and space to reduce driving risk~~s~~ and avoid collisions. Key concepts/skills include

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| **DE.5d**  **selecting appropriate speed, maintaining adequate space, and skillfully judging time and distance to safely execute basic driving maneuvers** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.5e**  **estimating time and space needed for passing** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.5f**  **identifying and adeptly responding to open and closed spaces and changes to line-of-sight and path-of-travel** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.6:** The student will demonstrate skills to make appropriate adjustments when approaching controlled and uncontrolled intersections, curves, work zones, railroad crossings, and hills with line-of-sight and path-of-travel limitations. Key concepts/skills include

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| **DE.6a**  **analyzing and applying right-of-way rules and demonstrating appropriate communication skills** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.6b**  **displaying responsible actions and safe response to roadway signs, signals, and markings** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.6c**  **assessing and managing slope/grade of terrain** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.6** The student will demonstrate skills to make appropriate adjustments when approaching controlled and uncontrolled intersections, curves, work zones, railroad crossings, and hills with line-of-sight and path-of-travel limitations. Key concepts/skills include

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| **DE.6d**  **modifying vehicle position and speed to manage the effects on momentum, balance, and control** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE. 7** The student will identify the unique characteristics of an expressway and apply risk management driving strategies. Key concepts/skills include

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| **DE.7a**  **managing different types of interchanges (e.g., diamond, trumpet, cloverleaf)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.7b**  **entering, merging, and exiting without interrupting traffic flow, preparing for variable and higher speeds and managing toll facilities** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE. 7:** The student will identify the unique characteristics of an expressway and apply risk management driving strategies. Key concepts/skills include

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| **DE.7c**  **selecting appropriate speed, correct lane, lane position, changing lanes on multi-lane roadways, and detecting and avoiding highway hypnosis** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.7d**  **demonstrating an understanding of the integrated numbering system for highways within the nationwide grid in the contiguous United States** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.8** The student will demonstrate the ability to communicate presence and intentions to other highway transportation users. Key concepts/skills include

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| **DE.8a**  **interpreting vehicle position and driver action** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.8b**  **utilizing vehicle communication devices** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.8c**  **demonstrating hand signals for slow/stop, right turn and left turn** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.9:** The student will analyze and describe the physiological, psychological, and cognitive effects of alcohol, marijuana and other drugs and their impact on a driver’s awareness of risks, and involvement in collisions. Key concepts/skills include

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| **DE.9a**  **evaluating the impact of prescription and nonprescription medication~~s~~ on mood, personality, risk taking, coordination, judgment, reaction time, and driver performance;** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.9b**  **demonstrating an understanding that driving while impaired by any substance (legal or illegal drugs) places the driver and others in harm’s way** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.9:** The student will analyze and describe the physiological, psychological, and cognitive effects of alcohol, marijuana and other drugs and their impact on a driver’s awareness of risks, and involvement in collisions. Key concepts/skills include

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| **DE.9c**  **researching the effects of alcohol, marijuana, and other drugs on vision and space management** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.9d**  **analyzing how the synergistic effects of using two or more drugs at the same time can amplify the impairing effects of each drug** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.9e**  **examining physiological and biological factors that influence how alcohol, marijuana, and other drugs are absorbed, metabolized, and eliminated from the body** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.10:** The student will identify and analyze the legal and economic consequences associated with alcohol, marijuana, and other drug use while driving. Key concepts/skills include

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| **DE.10a**  **analyzing the impact of positive and negative peer pressure** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.10b**  **describing the mediating influence of refusal and peer-intervention skills on preventing alcohol, marijuana, and other drug misuse** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.10c**  **comparing Implied Consent, Zero Tolerance and Use and Lose laws and demonstrating an understanding of why driving while impaired is illegal** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.10:** The student will identify and analyze the legal and economic consequences associated with alcohol, marijuana, and other drug use while driving. Key concepts/skills include

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| **DE.10d**  **researching Administrative License Revocation, loss of license, ignition interlock and other licensing restrictions other licensing restrictions** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.10e**  **analyzing court costs, insurance requirements, Virginia Alcohol Safety Action Program referral, and other penalties associated with impaired driving** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.10:** The student will identify and analyze the legal and economic consequences associated with alcohol, marijuana, and other drug use while driving. Key concepts/skills include

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| **DE.10f**  **evaluating the effectiveness of alternative safe transportation programs as countermeasures for reducing impaired driving** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.11:** The student will recognize the consequences of aggressive driving and the influence of emotions on driving behaviors. Key concepts/skills include

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| **DE.11a**  **evaluating how stress and anxiety affect driver fitness and mental preparedness** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. | |  |  |  |
| **DE.11b**  **identifying how anger management strategies reduce hostility and frustration** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  | |  |  |
| **DE.11c**  **analyzing how aggressive driving and road rage pose a threat to the health and safety of everyone on the road** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  | |  |  |
| **DE.11d**  **quantifying the legal and financial consequences of reckless driving and road rage** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  | |  |  |

**Standard DE.12:** The student will analyze the effects of fatigue and other conditions that impact driver performance. Key concepts include

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| **DE.12a**  **identifying fatigue warning signs and countermeasures** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.12b**  **analyzing the relationship between circadian rhythms and sleep deprivation** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.12c**  **comparing the effect of short- and long-term physical and cognitive disorders on the driving tasks** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.12d**  **evaluating how chronic health conditions may affect driver performance** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.13:** The student will identify visual, auditory, manual, and cognitive distractions that divert attention from the driving task and analyze how divided visual and mental attention contribute to driver error. Key concepts/skills include

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| **DE. 13a**  **researching and evaluating the most dangerous distracted driving behaviors (e.g., texting, setting navigation systems, reading emails, adjusting radio and other controls, eating, drinking, smoking, personal grooming** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.13b**  **gathering and analyzing strategies to prevent distractions that take the driver’s eyes off the road and hands off the wheel** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.13:** The student will identify visual, auditory, manual, and cognitive distractions that divert attention from the driving task and analyze how divided visual and mental attention contribute to driver error. Key concepts/skills include

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| **DE.13c**  **identifying interior distractions (e.g., interactive technologies, passengers, pets, insects** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.13d**  **evaluating the impact of exterior distractions ( e.g., looking at crash scenes, places of interest, billboards, emergency vehicles);** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.13.e**  **demonstrating an understanding of distracted driving laws and analyzing the cost of distracted driving** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.14:** The student will identify changes in the environment that affect visibility and traction and evaluate appropriate communication, speed, and lane position adjustment to reduce risk~~s~~. Key concepts/skills include

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| **DE.14a**  **mitigating limitations (e.g., nighttime visibility, overdriving headlights, curve-adaptive headlights) when driving at night** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.14b**  **evaluating multiple solutions for smoke- and weather-related conditions that reduce visibility** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.14:** The student will identify changes in the environment that affect visibility and traction and evaluate appropriate communication, speed, and lane position adjustment to reduce risk~~s~~. Key concepts/skills include

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| **DE.14c**  **demonstrating an understanding and responding appropriately to road construction and other adverse road conditions** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.14d**  **examining the difference between electronic vehicle stability control and traction control systems** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.15:** The student will demonstrate an understanding of the proper use of vehicle occupant-protection features and analyze how they can reduce injury severity and increase collision survival. Key concepts/skills include

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| **DE.15a**  **investigating the efficacy of active restraint systems (e.g., seat belts, head restraints, child safety seats);** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.15b**  **analyzing the effect of seating and steering wheel position on injury severity** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.15c**  **investigating legal obligation, ethical decision making, and the importance of advocating for proper use of vehicle occupant-protection devices** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.15:** The student will demonstrate an understanding of the proper use of vehicle occupant-protection features and analyze how they can reduce injury severity and increase collision survival. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.15d**  **researching Virginia’s occupant protection laws and understanding the dangers of riding in the bed of a truck** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.15e**  **analyzing automotive safety and highway transportation system career options based on personal interests, abilities, achievements, and goals** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.16:** The student will analyze how technological innovations affect driving practices and reduce human error. Key concepts/skills include

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| **DE. 16a**  **demonstrating an understanding of advanced safety features (e.g., electronic stability control systems, blind spot detection, forward collision warning, lane departure warning)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE. 16 b**  **comparing efficacy of passive occupant protection systems to include thorax, curtain, knee and other airbags and adaptive cervical head restraint systems** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.16: The student will analyze how technological advancements in intelligent handling and stability control systems affect driving practices.**

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| **DE. 16 c**  **demonstrating an understanding of advanced driver assist features (e.g., rearview video systems, automatic emergency braking, pedestrian automatic emergency braking, rear automatic emergency braking, lane centering assist)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.16d**  **researching partially automated safety features (e.g., lane keeping assist, adaptive cruise control, traffic jam assist, self-park)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.16: The student will analyze how technological advancements in intelligent handling and stability control systems affect driving practices.**

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| **DE.16e**  **analyzing the impact of fully autonomous safety features (e.g., autopilot self-driving vehicles that will integrate onto roadways by progressing through six levels of driver assistance technology advancements in coming years)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.16f**  **analyzing the transformative potential of new mobility options and employment opportunities that automated vehicles may provide for millions of people with disabilities** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.17:** The student will identify and evaluate emergency-response strategies to avoid or reduce the severity of a collision. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.17a**  **analyzing and demonstrating evasive maneuvers, using braking and steering combinations while maintaining front and rear traction control** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.17b**  **identifying open space as an emergency escape route** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE. 17c**  **recognizing how decisions are influenced and limited by the environment, the vehicle, driver error, and driver capabilities** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.17:** The student will identify and evaluate emergency-response strategies to avoid or reduce the severity of a collision. Key concepts/skills include

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DE.17d**  **demonstrating a gradual stepwise approach to safe off-road recovery** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.18:** The student will identify and describe the performance characteristics of other road users and apply problem-solving skills to minimize risks when sharing the roadway. Key concepts/skills include investigating the unique characteristics and vulnerabilities of

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.18a**  **pedestrians and animals** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18b**  **bicycles, scooters, mopeds, and motorcycles** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18c**  **tractor-trailers, trucks, and construction vehicles** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18d**  **sport utility vehicles, recreation vehicles, and trailers** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.18: The student will identify and describe the performance characteristics of other road users and apply problem-solving skills to minimize risks when sharing the roadway with**

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| **DE.18e**  **emergency vehicles** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18f**  **funeral processions** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18g**  **passenger and school buses** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18h**  **farm machinery and horse-drawn vehicles** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.18i**  **highway workers** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.19:** The student will compare vehicle braking systems and explain proper braking techniques for various conditions. Key concepts/skills include

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| **DE.19a**  **demonstrating proper use of conventional hydraulic brake systems and understanding of new technologies such as regenerative braking** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.19b**  **demonstrating and evaluating appropriate use of controlled braking, trail braking, and threshold braking** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.19c**  **engaging antilock brake systems (ABS) and steering toward a target** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.19:** The student will compare vehicle braking systems and explain proper braking techniques for various conditions. Key concepts/skills include

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| **DE.19d**  **analyzing how preventive maintenance and the annual state safety inspection reduces the possibility of brake failure and enhances safety** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.20:** The student will analyze how regular preventive maintenance reduces the possibility of vehicle failure~~s~~ and recognize the warning signs that indicate the need for maintenance, repair, or replacement. Key concepts/skills include demonstrating an understanding of

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.20a**  **vehicle warning devices** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.20b**  **lights and signals** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.20c**  **steering and suspension systems** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.20d**  **tires and braking systems** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.20e**  **fluids, cooling systems, and belts** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.20f**  **fuel system and ignition electronics** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.21:** The student will investigate vehicle ownership responsibilities including the processes and legal responsibilities for purchasing or leasing a vehicle as well as the operating and maintenance costs. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.21a**  **demonstrating an understanding of the Financial Responsibility Law (*Code of Virginia § 46.2-706*)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.21b**  **differentiating between required and optional insurance coverage** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.21c**  **demonstrating an understanding of title and vehicle and registration requirements** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.21:** The student will investigate vehicle ownership responsibilities including the processes and legal responsibilities for purchasing or leasing a vehicle as well as the operating and maintenance costs. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.21d**  **analyzing vehicle inspection and emissions requirements** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.21e**  **evaluating the advantages and disadvantages of purchasing or leasing an all-electric, hybrid electric, hydrogen fuel cell, ethanol, biodiesel, natural gas or traditional gas-powered vehicle** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.21f**  **calculating depreciation and estimating a budget for routine maintenance and repair costs for new and older vehicles** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.22:** The student will demonstrate competent map-reading and road-trip-planning skills by utilizing available resources. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.22a**  **analyzing reliable trip-planning resources** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.22b**  **creating an itinerary, calculating total trip time, investigating alternative routes, traffic, rest stops, and other options** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.22:** The student will demonstrate competent map-reading and road-trip-planning skills by utilizing available resources. Key concepts/skills include

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| **DE. 22c**  **calculating the cost of a trip to include fuel, tolls, daily and total mileage, fuel efficiency, food, hotels, and other variables** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.22d**  **demonstrating an understanding of safe and legal practices for using navigation tools while driving** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.23:** The student will research and evaluate the environmental impact of transportation options and how to choose fuel-efficient vehicles. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.23a**  **analyzing how all-electric, hybrid electric, hydrogen fuel cell, ethanol, biodiesel, and natural gas-powered vehicles conserve fuel and lower vehicle emissions** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.23b**  **comparing and evaluating the environmental impact of using public transportation, walking, cycling, ridesharing, and carpooling** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.23c**  **examining the health risks of air pollution and how some passenger vehicles produce significant amounts of nitrogen oxides, carbon monoxide, and other pollution** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.23:** The student will research and evaluate the environmental impact of transportation options and how to choose fuel-efficient vehicles. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.23d**  **investigating appropriate disposal of batteries, fluids, tires, and other environmentally hazardous materials** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.23e**  **demonstrating an understanding of energy conservation, alternative or renewable sources of energy, conservation of natural resources, and green driving practices (e.g., smooth acceleration, idle reduction, properly inflated tires, eliminating excess weight, anticipating stops).** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.24:** The student will demonstrate an understanding of safe interaction with law enforcement and the steps to take if involved in or a witness to a crash. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.24a**  **analyzing factors that may enhance safe interaction with law enforcement at the roadside (e.g., don’t panic, slow down, signal and locate a safe location, pull over, turn engine and radio off, keep hands on steering wheel, show respect, provide registration, driver’s license, and proof of insurance when asked)** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |

**Standard DE.24:** The student will demonstrate an understanding of safe interaction with law enforcement and the steps to take if involved in or a witness to a crash. Key concepts/skills include

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| **Key Concept** | **Page Numbers** | **Adequate** | **Limited** | **Not Evident** | **Question Numbers** | **Adequate** | **Limited** | **Not Evident** |
| **DE.24b**  **investigating the consequences of moving violations and demerit points** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |
| **DE.24c**  **examining the driver’s legal responsibilities at a crash scene (*Code of Virginia § 46.2-896*).** | Click or tap here to enter text. |  |  |  | Click or tap here to enter text. |  |  |  |