



# Indiana Content Standards for Educators

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## DRIVER AND TRAFFIC SAFETY

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Driver and traffic safety teachers are expected to have a broad and comprehensive understanding of the knowledge and skills needed for this educator license, and to use that knowledge to help students prepare for the challenges and opportunities of the twenty-first century. This requires the ability to identify, comprehend, analyze, synthesize, and evaluate the basic principles, fundamental concepts, and essential content defined in these standards, and to apply that knowledge to the tasks of planning and delivering effective instruction and assessment.

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## Driver and Traffic Safety Educator Standards

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### **Standard 1: Inspecting and Maintaining Motor Vehicles**

Driver and traffic safety teachers have a broad and comprehensive understanding of processes and procedures for inspecting and maintaining motor vehicles.

### **Standard 2: Equipment, Controls, Indicators, and Safety Devices**

Driver and traffic safety teachers have a broad and comprehensive understanding of the equipment, controls, indicators, and safety devices found on vehicles.

### **Standard 3: Driving Skills and Techniques**

Driver and traffic safety teachers have a broad and comprehensive understanding of the basic skills and techniques needed for safe driving.

### **Standard 4: Regulations and Responsibilities Related to Owning and Operating a Vehicle**

Driver and traffic safety teachers have a broad and comprehensive understanding of regulations and responsibilities related to owning and operating a vehicle.

### **Standard 5: Physical, Emotional, and Psychological Factors That Affect Driving**

Driver and traffic safety teachers have a broad and comprehensive understanding of the effects of physical, emotional, and psychological states on driving ability and the decision-making process.

### **Standard 6: Alcohol and Other Drugs**

Driver and traffic safety teachers have a broad and comprehensive understanding of the effects of drugs and drug use on driving.

### **Standard 7: Risk Analysis**

Driver and traffic safety teachers have a broad and comprehensive understanding of risk-management skills and their application to the task of driving.

### **Standard 8: Instruction and Assessment in the Driver and Traffic Safety Program**

Driver and traffic safety teachers have a broad and comprehensive understanding of content-specific instruction and assessment in driver and traffic safety education.

## Driver and Traffic Safety Educator Standards

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### Standard 1: Inspecting and Maintaining Motor Vehicles

**Driver and traffic safety teachers have a broad and comprehensive understanding of processes and procedures for inspecting and maintaining motor vehicles, including:**

- 1.1** the parts of an engine and the functions of those parts
- 1.2** the parts of the braking and exhaust systems and the functions of those parts
- 1.3** procedures for assessing the mechanical condition of a vehicle
- 1.4** routine maintenance procedures required for the efficient and safe operation of a vehicle

### Standard 2: Equipment, Controls, Indicators, and Safety Devices

**Driver and traffic safety teachers have a broad and comprehensive understanding of the equipment, controls, indicators, and safety devices found on vehicles, including:**

- 2.1** identification of the equipment, controls, and indicators commonly found on vehicles
- 2.2** identification of the safety devices commonly found on vehicles
- 2.3** the functions of equipment, controls, indicators, and safety devices commonly found on vehicles

### Standard 3: Driving Skills and Techniques

**Driver and traffic safety teachers have a broad and comprehensive understanding of the basic skills and techniques needed for safe driving, including:**

- 3.1** basic driving skills, including braking, accelerating, changing lanes, changing direction, and signaling intentions
- 3.2** techniques for maximizing awareness of the driving environment, including scanning, maintaining focus, anticipating, and predicting
- 3.3** techniques for driving in various situations and conditions, including inclement weather, reduced visibility, expressway traffic, urban environments, rural environments, construction areas, and traffic congestion
- 3.4** techniques for driving when encountering pedestrians and various types of motorized and nonmotorized vehicles

### Standard 4: Regulations and Responsibilities Related to Owning and Operating a Vehicle

**Driver and traffic safety teachers have a broad and comprehensive understanding of regulations and responsibilities related to owning and operating a vehicle, including:**

- 4.1** laws, regulations, and responsibilities related to purchasing and transferring ownership of a vehicle
- 4.2** laws, regulations, and responsibilities related to drivers' licenses
- 4.3** laws, regulations, and responsibilities related to insuring a vehicle
- 4.4** types of traffic violations and associated penalties

## Driver and Traffic Safety Educator Standards

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### Standard 5: Physical, Emotional, and Psychological Factors That Affect Driving

**Driver and traffic safety teachers have a broad and comprehensive understanding of the effects of physical, emotional, and psychological states on driving ability and the decision-making process, including:**

- 5.1** physical factors that affect driving, such as vision, hearing, illness, fatigue, and distractions
- 5.2** emotional factors that affect driving, such as mood, road rage, and impatience
- 5.3** psychological factors that affect driving, such as attitude and depression

### Standard 6: Alcohol and Other Drugs

**Driver and traffic safety teachers have a broad and comprehensive understanding of the effects of drugs and drug use on driving, including:**

- 6.1** the physiological effects of alcohol and other drugs
- 6.2** the psychological effects of alcohol and other drugs
- 6.3** the legal implications and consequences of driving under the effects of alcohol and other drugs

### Standard 7: Risk Analysis

**Driver and traffic safety teachers have a broad and comprehensive understanding of risk-management skills and their application to the task of driving, including:**

- 7.1** driving-related situations involving risk and strategies for reducing risk
- 7.2** instructional strategies for applying risk-management skills to the task of driving as a driver or passenger
- 7.3** instructional strategies to promote student learning and to foster the development of risk-analysis skills in driver and traffic safety education

### Standard 8: Instruction and Assessment in the Driver and Traffic Safety Program

**Driver and traffic safety teachers have a broad and comprehensive understanding of content-specific instruction and assessment in driver and traffic safety education, including:**

- 8.1** the ADTSEA National Curriculum Standards and the ISTE National Educational Technology Standards
- 8.2** instructional strategies and resources for promoting students' understanding of concepts and skills related to driver and traffic safety
- 8.3** strategies and skills for planning and designing driver and traffic safety instruction, including the use of techniques and approaches that meet the needs of diverse learners
- 8.4** instructional strategies to promote student learning and to foster the development of critical-thinking, problem-solving, and performance skills in driver and traffic safety education
- 8.5** strategies and skills for selecting, adapting, and using technological resources to enhance teaching and learning about driver and traffic safety education
- 8.6** strategies and skills for effectively assessing students' understanding and mastery of essential driver and traffic safety education concepts and skills

## Selected Bibliography of Standards and Sources Related to Driver and Traffic Safety

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### State and National Standards and Curriculum Frameworks

1. American Driver and Traffic Safety Education Association. (2009). *Novice teen driver education and training administrative standards*. <http://www.adtsea.org/adtsea/pdf/NTDETAS%20-%20Final%20Draft.pdf>
2. American Driver and Traffic Safety Education Association Curriculum and Standards Committee. (2006). *ADTSEA national curriculum standards*. <http://www.adtsea.org/adtsea/pdf/Attachment%E%DE%Standards%ADTSEA%2006.pdf>
3. Mottola, F. R., Alexander, K. E., Annett, D. J., Bowles, C., Brelsford, G., Brody, B., et al. (2010). *National institute for driver behavior standards for a driver risk-management program*. [http://nidb.us/index.php?option=com\\_content&task=view&id=14&Itemid=32](http://nidb.us/index.php?option=com_content&task=view&id=14&Itemid=32)

### Sources on Driver and Traffic Safety Content

4. Clinton, K. M., & Lonero, L. (2006). *Evaluating driver education programs: Comprehensive guidelines*. Washington, DC: AAA Foundation for Traffic Safety.
5. Smith, M. F. (1994). *Research agenda for an improved novice driver education program*. Washington, DC: U.S. Department of Transportation.
6. Lonero, L. (2007). *Trends in driver education, evaluation, and development*. <http://www.drivers.com/article/941>
7. Johnson, M. L., Crabb, O., Opfer, A. A., & Thiel, R. R. (2007). *Drive Right* (updated 10th ed.). Boston, MA: Pearson Prentice Hall.

### Sources on Student Learning and Pedagogical Methodology

8. Gandolfi, J. (2009). *Driver education—A blueprint for success?* Milton Keynes, England: Driving Research Ltd.
9. American Automobile Association Education Foundation. *Teen driver safety*. Washington, DC: AAA Foundation for Traffic Safety.
10. Mayhew, D. R., Simpson, H. M., Williams, A. F., & Ferguson, S. A. (1998). Effectiveness and role of driver education and training in a graduated licensing system. *Journal of Public Health Policy*, 19(1).

## Alignment of Educator Standards with State and National Standards

| Indiana Educator Standards for<br>Driver and Traffic Safety  | ADTSEA National<br>Curriculum Standards                  | ISTE National<br>Educational<br>Technology<br>Standards |
|--|--|---|
| <p><b><u>Standard 1: Inspecting and Maintaining Motor Vehicles</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of processes and procedures for inspecting and maintaining motor vehicles.</p>   | C4; IC1, 12; CII3; ICII4                                 |   |
| <p><b><u>Standard 2: Equipment, Controls, Indicators, and Safety Devices</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of the equipment, controls, indicators, and safety devices found on vehicles.</p>  | C36; IC1, 11, 12; ICII4                                  |   |
| <p><b><u>Standard 3: Driving Skills and Techniques</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of the basic skills and techniques needed for safe driving.</p>  | C3, 5–10, 11–30, 34–40, 42; IC2–12; ICII1–4              |   |
| <p><b><u>Standard 4: Regulations and Responsibilities Related to Owning and Operating a Vehicle</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of regulations and responsibilities related to owning and operating a vehicle.</p>                              | C2, 13, 16, 19–30, 36, 40, 41, 43, 44; IC5, 12; ICII2, 3 |   |
| <p><b><u>Standard 5: Physical, Emotional, and Psychological Factors That Affect Driving</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of the effects of physical, emotional, and psychological states on driving ability and the decision-making process.</p> | C10, 15, 33; IC9; CII1, 2                                |   |
| <p><b><u>Standard 6: Alcohol and Other Drugs</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of the effects of drugs and drug use on driving.</p>   | C31–33; CII1, 2  |   |
| <p><b><u>Standard 7: Risk Analysis</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of risk-management skills and their application to the task of driving.</p>  | C13–41; IC1–11; CII1–3                                   |   |
| <p><b><u>Standard 8: Instruction and Assessment in the Driver and Traffic Safety Program</u></b></p> <p>Driver and traffic safety teachers have a broad and comprehensive understanding of content-specific instruction and assessment in driver and traffic safety education.</p>                             | C1, 45; ICII1–3  | 1a–1d; 2a–2d;<br>3a–3d; 4a–4d;<br>5a–5d                 |