



TRAFFIC SAFETY MERIT BADGE WORK SHEET (BYU/UVU PowWow)

Scout's Name

Instructor's Name

Scout's Address

City

State

ZIP

Instructions

- 1) The Scout is to review the merit badge book before the first week of PowWow.
- 2) Bring this work sheet, paper, and pencil or pen each week.

Requirement Instructions*

- 1) Requirement 1 will be covered and should be passed off during the two sessions of PowWow.
- 2) Requirement 2 will be covered and should be passed off during the two sessions of PowWow.
- 3) Requirement 3 must be completed as **homework** in the time between the two sessions of PowWow.
- 4) Requirement 4 will be covered and should be passed off during the two sessions of PowWow.
- 5) Requirement 5 must be completed as **homework** before or in the time between the two sessions of PowWow.

*All requirements may be subject to change by the merit badge counselor based on time constraints at the PowWow session. Please listen to all instructions given by the instructor to be aware of any changes.

Requirement 1

Initial

A. List the top 10 mistakes new drivers frequently make.

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

What two items are you required by law to carry with you whenever you operate a motor vehicle?

B. Describe how alcohol and other drugs affect the human body and why a person should never drink and drive while under the influence of any mind-altering substance (including prescription drugs, cold medications, and illicit drugs).

Find out the legal blood alcohol concentration level for your state.

List the consequences for driving while intoxicated in your state.

What is the open-container law in your state?

C. Describe at least four factors to be considered when an engineer designs a road or highway.

Factor 1:

Factor 2:

Factor 3:

Factor 4:

Other factors:

Explain how roadside hazards and road conditions contribute to the occurrence and seriousness of traffic crashes.

D. Explain why a driver who is fatigued or distracted should not operate a motor vehicle.

List five common distractions:

- 1.
- 2.
- 3.
- 4.
- 5.

How do driver distractions contribute to traffic accidents?

Describe how volunteer drivers can plan to be alert when transporting Scouting participants.

Requirement 2

Initial

A. Demonstrate to your counselor and describe here how to properly wear lap and shoulder belts.

Explain why it is important for drivers and passengers to wear seat belts at all times.

B. List five safety features found in motor vehicles besides occupant restraint systems. Describe each feature, how each works, and how each contributes to safety.

- | | |
|-------------------------|--------------|
| Feature 1: | Description: |
| How it works: | |
| Contribution to safety: | |
| Feature 2: | Description: |
| How it works: | |
| Contribution to safety: | |
| Feature 3: | Description: |
| How it works: | |
| Contribution to safety: | |
| Feature 4: | Description: |
| How it works: | |
| Contribution to safety: | |
| Feature 5: | Description: |
| How it works: | |
| Contribution to safety: | |

Requirement 3

Initial

A. Using your family car or another vehicle, demonstrate that all lights and lighting systems in the vehicle are working. Describe the function of each light.

Explain why each type of light is important to safe driving.

B. Using your family car or another vehicle, demonstrate how to check the tire pressure.
Describe the process.

Identify the correct tire pressure for the vehicle you used.
Explain why proper tire pressure is important to safe driving.

C. Demonstrate to your counselor a method to check for adequate tire tread.
Explain what you did.

Explain why proper tread is important to safe driving.

D. Demonstrate to your counselor with a smear-and-clear test whether the windshield wiper blades will clear the windshield completely or need to be replaced.

Describe instances in good *and* bad weather when windshield washers are important to safe driving.

Requirement 4

Initial

A. In a location away from traffic hazards, measure with a tape measure—not in a car—and mark off with stakes the distance that a car will travel during the time needed for decision and reaction, and the braking distances necessary to stop a car traveling 30, 50, and 70 miles per hour on dry, level pavement. Describe how you found this and report the results below. How did you do this?

| Car traveling at: | Distance traveled during decision/reaction time | Braking distance needed to stop |
|-------------------|---|---------------------------------|
| 30 mph | | |
| 50 mph | | |
| 70 mph | | |

Discuss how environmental factors such as bad weather and road conditions will affect the distance.

B. Demonstrate to your counselor and describe here the difference in nighttime visibility between a properly lit bicycle and rider (or a pedestrian) wearing reflective material and a bicycle and rider with no lights (or a pedestrian) dressed in dark clothing, without reflective material.

C. Explain how color and shape of signs are used to help road users recognize and understand the information presented.

Explain the purpose of different types of signs, signals, and pavement markings.

D. Describe at least three examples of traffic laws that apply to drivers of motor vehicles that bicyclists must also obey.

Traffic Law 1:

Traffic Law 2:

Traffic Law 3:

Requirement 5

Initial

You have been given four options for this requirement. Select and complete ONE of them.

Option 1:

Interview a traffic law enforcement officer in your community to identify what three traffic safety problems the officer is most concerned about. Describe his or her concerns here.

Traffic safety concern 1:

Traffic safety concern 2:

Traffic safety concern 3:

Discuss possible ways to solve one of these problems.

Option 2:

Using the Internet (with your parent's permission), visit five Web sites that cover safe driving for teenagers. Discuss what you learned with your counselor and at least three other teenagers.

Option 3:

Initiate and organize an activity to demonstrate the importance of traffic safety. Activities could include making a traffic safety presentation before a school assembly, to classes of younger students, or to another large group of people; having a staged demonstration of the consequences of a crash or on working with the police and paramedics; organizing a presentation to the students of your school by an emergency room doctor and/or nurse to describe their experiences with motor vehicle crash victims; or organizing a clinic to demonstrate safe bicycle riding and helmet use.

Describe what you did.

Option 4:

Accompanied by an adult and a friend, pick a safe place to observe traffic at a controlled intersection (traffic signal or stop sign). Survey and record on another sheet of paper such violations as running a red light or stop sign and the extent of seat-belt usage. Count the number of violations or number of drivers not wearing a seat belt. Record in general terms whether the driver was young or old, male or female. Attach your record to this work sheet.

Discuss your findings.

Merit badge work sheets will not be accepted at the Council Office in place of the official Merit Badge Application Card. Those who do not complete all the requirements should take their partially completed merit badge work sheet and their official application card to their local merit badge counselors for completion.