

Facilitation Guide: Classroom

New Driver Work Zone Safety Program

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How to Use This Document

The purpose of this guide is to promote the New Driver Work Zone Safety Program to high school students in a classroom setting. This guide will help keep your messages consistent and inform your event. A checklist of materials is available, as well as instructions for specific activities.

Each activity has its own page, with a list of suggested materials, learning objectives, and corresponding PowerPoint slides.

Before Each Session

Before each session, review the following questions:

- How much time are you allotted? (The classroom session content and activities can be modified based on the overall time allotted)
- How many students will you be speaking to?
- What activities do you plan on doing?
- Does your technology work? Do you have access to the PowerPoint presentation? Do you have the right cables and ports to project the presentation to the classroom?
- Do you have the right materials for each session? (The materials needed for each activity are included below)
- Do you have enough handouts and promotional materials?

Key Messages

- **Protect yourself and others:** Work zones can be dangerous for you, your passengers, and the highway workers.
- **Keep your license:** Traffic violations, such as speeding and failing to obey signs, can result in jail time and license suspension.
- **Take the course:** A free 35-minute online course is available to help you drive safely through work zones. Course completion can be confirmed through submission of the course completion certificate.

Session Timing

The classroom session includes a standard PowerPoint presentation that introduces work zone safety and covers key messages.

This content can be tailored and customized based on how much time you have and how many students you are speaking to. However, the materials outlined in this guide are based on a 45-minute session.

- Presentation: 25 minutes
- One activity: 15 minutes
- Questions and Key Takeaways: 5 minutes

After Each Session

Please complete the survey found online at <https://forms.cloud.microsoft/g/KjaVTqcgMg>, sharing key data from your program delivery. The survey will take less than five minutes.

Work Zone Safety: Classroom

The classroom session should serve two purposes:

- Explain why safe driving practices are especially important in an active work zone. This impacts everyone: workers, drivers, passengers, and their family and friends. Rely less on facts and statistics and use stories found in the online course or from your own experiences.
- Give students a break from their daily classroom activities. Students will remember a presentation if they're also having fun. Keep the tone conversational and non-judgmental. Be less "This is what you need to do," and more "Make smart choices while driving, especially through work zones."

Classroom sessions are designed to be interactive and respectful of students. This guide provides a list of different activities which are chosen based upon how much time you have, as well as how comfortable you with each activity. Be prepared to pivot and have a backup activity planned, as some activities may go better than others depending on the students.

General Materials

The following materials apply to a general classroom presentation and are not dependent on which activities planned. Activity-specific materials are detailed in the Group Activities section of this facilitation guide.

Item
Laptop/tablet
Cords – HDMI, USB A, USB C, etc.
PowerPoint Presentation
Cards with QR code
Prizes
Poster for hallway

Follow-up on Course Completion

After the session, leave some cards with the session QR code behind. When coordinating with schools and teachers, include language on how students can take the course, either as homework, extra credit, or as a group in class.

Presentation Guide

Presentation Item	Time	Presentation Details	Materials Needed
Introduction	Up to 5 minutes	- Introduce yourself and ask each student the following: - Their name. - How long they have been driving, or if they're not driving, when they plan to. - If they've ever driven through a work zone. - After every student has spoken, ask the students why they think road safety is important in an active work zone - If you have a large classroom, and feel pressed for time, you can also shorten the intros by asking students to raise their hands to the following questions: - Are you driving? - Keep your hand up if you've been driving for one month. Six months. One year. Longer. - Have you driven through a work zone?	Presentation (slide 2)
What's a Work Zone	Up to 2 minutes	Define a work zone through the content in the presentation	Presentation (slide 3)
Why Work Zone Safety	Up to 5 minutes	- Introduce the key messages: - Protect yourself and others - Keep your license - Take the course - Ask three True or False questions (see speakers notes in the presentation)	Presentation (slides 4 – 7)
Why Does Work Zone Safety Matter	Up to 10 minutes	- Walk through facts and statistics of work zone crashes - Play a video of how work zone crashes impact drivers - Introduce safety tips on driving through work zones - Walk through different types of work zones and how to handle them	Presentation (slides 10 – 15)
Group Activities	Up to 30 minutes	- This part of the session depends on how much time you have and how many students you're teaching. - There are slides for each activity in the presentation. - Instructions for the following activities are detailed in the Activities section of this guide. - Distracted Driving Module - Let's Build a Work Zone - Work Zone Safety Quiz - Work Zone Safety Gear Demonstration - Work Zone Safety Pledge - Work Zone I-Spy Photo	See Activities section for what you'll need for each activity.
Before You Go	Up to 10 minutes	- After the group session, bring the students back and ask them for feedback: - What stuck – what's one thing you've learned today? - What will you do – how will you practice work zone safety? - Learn more – take the course	Presentation (slide 19)
Remember	Up to 5 minutes	- Reinforce the key messages from earlier. - Use this time to hand out the cards with the QR codes to the course, plus any swag you have.	Presentation (slide 20)

Presentation Item	Time	Presentation Details	Materials Needed
Conclusion	Up to 5 minutes	Thank the students for their time and remember to reinforce the course on PennDOT's website.	Presentation (slide 21)

Group Activities

Distracted Driving Module

Estimated Time: 10 – 15 minutes

Activity Type: Large group (involves the whole class at the same time)

Learning Objective: Even simple activities, such as driving, can be difficult if you are distracted. Keep the tone conversational and let the students draw their own conclusions after the module.

Activity Details	Materials Needed
Ask the students the following: - What can distract you while driving? - What are the dangers of distracted driving? - Do you use your phone while driving? This exercise will ask each student to throw a ball into the air, catch it, and then toss it to a classmate. You toss a tennis ball to the nearest student. Ask them to throw it in the air and catch it. Then, ask the student to toss the ball their classmate. Let the ball go around the room, making sure that each student has a turn. Then, do the same thing, but this time, start asking questions as the students are throwing the ball. Example questions: - Where are you right now? - What are you doing? - Can you pick a few things up before you get home? - Hey, what should we eat tonight? - Look at this video. - Did you see this cat? - Hey, do you know what ketchup is made out of? - Did you see these new photos? - Hey, look, these sneakers are on sale. - Did you know the capybara is the world's largest rodent? - Look, this new game trailer just dropped. - Did you see the game last night? - Are you going out this Friday? Keep the questions going, the faster and more random, the better. Once the ball has made it across the room, ask for the ball back.	Tennis ball List of questions to ask students Presentation, slides 22 - 25

Activity Details	Materials Needed
Ask the students the following questions: • Which round was harder? • What did you notice? • What surprised you? Then, ask the students things they can do to prevent distracted driving. Our suggestions are to do the following before you start driving: • Plug in your GPS coordinates • Choose your music/podcast/audiobook, etc. • Adjust your seat/mirrors/AC	

Let's Build a Work Zone (slides 26 – 32)

Estimated Time: Up to 20 minutes, depending on how many work zones you build with the students

Activity Type: Small group (split the students into groups of three to four)

Learning Objective: Students learn about the different types of work zones and how to handle them. This activity will teach students what the different signs mean, how to merge and drive around different work zones, and how vulnerable workers and drivers are in work zones.

Activity Details	Materials Needed
Freeway Lane Closure Scenario Students set up mini work zone signs and cones based on what makes sense to them, then review the proper order of signs based on the standard. • Discussion Topics ○ Worker vulnerability behind cones ○ Why are so many signs needed in advance of this work zone? • Key Takeaways ○ Work zone signs and characteristics ○ Early Merge vs Zipper Merge Rural Lane Closure Scenario Students set up mini work zone signs and cones and review what they would think about and pay attention to if they were driving • Discussion Topics ○ Worker vulnerability behind cones ○ Why is it important to pay attention to signs? • Key Takeaways ○ Work zone signs and characteristics ○ Flagger scenarios (stop paddle, pilot car, blind curves, etc)	Print out of each roadway on 11 X 17 paper for each group of students Images of signs Optional materials: • Wooden construction signs, or small stands to attach the image of each sign • Mini cones (wire connectors can be used for this) • Toy cars • Toy construction workers

Work Zone Safety Quiz (slides 33 – 57)

Estimated Time: Up to 15 minutes

Activity Type: Small group (split the students into groups of three to four)

Learning Objective: The point of this quiz section isn't to answer the most questions correctly. It's for the students to realize there's a lot to learn about work zone safety. Reinforce that it's okay if the students don't know all the answers, and they can take the online course to feel comfortable driving through a work zone next time they encounter one.

Activity Details	Materials Needed
Ask the students to create teams and name their team on the answer sheets. They will be responsible for keeping track of their correct answers. There are 22 questions in the presentation. Present each question to the students. Before revealing the correct answer (correct answer will be highlighted in yellow after you click), ask the students if they're ready to move on. At the end, ask the students to tally up how many questions they answered correctly. Reinforce that there is a work zone safety course they can take to learn more.	Presentation Print outs of answer sheets for each team

Safety Gear Demonstration (slide 58)

Estimated Time: Up to 15 minutes

Activity Type: Large group – involves the whole class with volunteers

Learning Objective: Students will learn how much gear a highway construction worker must wear each day. Even with the gear, workers are still vulnerable on the highway.

Activity Details	Materials Needed
Bring the gear that workers wear in work zones.	Hard hat
Explain what each piece does and how it protects. After the explanation, choose a student in the audience to hold the gear and wear it.	Vest
Ask the student if they would feel safe wearing this gear in a work zone? What if oncoming drivers were distracted?	Chaps
Those who volunteer to wear gear in front of their classmates will receive prize points.	Stop/Slow paddle or flag
*You can choose one student to wear everything or choose a group of students to wear different pieces of each safety gear. The important thing is to get the students in the shoes of a construction worker.	Radio

Work Zone Safety Pledge (slide 59)

Estimated Time: Up to 10 minutes

Activity Type: Large group – involves the whole class

Learning Objective: Students will write down one thing they will do while driving through a work zone. This is a reinforcement of our key messages, with examples of what students can do on the slide.

Activity Details	Materials Needed
Ask students to write their name, and one thing they will do when driving near an active work zone on a Post-It. As they are writing, hang the safety poster on either the wall or the blackboard/dry erase board. As students finish their pledge, ask them to stick their pledges around the poster. To get things started, write your name and your work zone safety pledge.	Presentation Post-It Notes Safety Pledge poster

Work Zone I-Spy Photo (slides 60 – 70)

Estimated Time: Up to 10 minutes

Activity Type: Large group – involves the whole class

Learning Objective: Students will identify things to pay attention to while driving through a work zone.

Activity Details	Materials Needed
Show photos of work zones and ask students to review each photo and think about what is especially important to pay attention to when driving through a work zone. The following notes detail key points to pay attention to in a work zone. These notes are also in the speaker's notes in the presentation. Photo 1: • Emergency Pull-Off – Do you need to pull over for any reason? Pay attention to motorists around you slowing down or changing lanes to access the emergency pull-off area. • Barrier – Reduced shoulder due to barrier • Solid lane lines – avoid changing lanes through this section of the work zone. This may be due to lane shifts or curves in the roadway. • Active Work Areas – Although workers are behind barrier, it is important to pay attention to workers that are working alongside the roadway. This may also mean there are entering and existing construction vehicles. Photo 2: • Temporary Barrier – There is temporary barrier and no shoulder in the right lane. Drive with caution and avoid drifting into the left lane. • Construction Vehicle Entrance – Keep an eye out for construction vehicles entering and existing the work area. • Trucks Buses Left Lane Only – Keep an eye out for trucks and buses changing lanes. • Speed Limit 55mph (difficult to see) – The speed limit may be reduced through the work zone due to narrow lanes, lane shifts, etc. • A lot of orange signs ahead – Although you may not be able to read all the signs ahead, if you see a lot of orange signs, expect changing conditions ahead like a lane shift or merge. Photo 3: • Temporary Barrier – There is temporary barrier and no shoulder in the right lane. Drive with caution and avoid drifting into the left lane. • Construction Vehicle Entrance – Keep an eye out for construction vehicles entering and existing the work area. Note there are additional signs for construction vehicles to indicate where they need to enter the work area. • Emergency Pull Off – Do you need to pull over for any reason? Pay attention to motorists around you slowing down or changing lanes to access the emergency pull off area. • Speed Limit 50mph – The speed limit may be reduced through the work zone due to narrow lanes, lane shifts, etc. • Lane Shift – Signs indicate there is a lane shift ahead and avoid changing lanes and drive with caution to be prepared for changing conditions. Photo 4: • Cones or barrels – There is nothing separating the worker from live traffic.	Presentation

Activity Details	Materials Needed
- Active Work Areas – Keep an eye out for workers that are in vulnerable positions and drive with caution Photo 5: - Flagger – If you're on a two-lane road, and see "One Lane Road Ahead," expect to see a flagger. Pay attention to the paddle and whether it says Stop or Slow. - Cones – Notice there is no protection between workers and traffic. - Sight distance through the work zone – Although you can't see cars coming, if the flagger is having you Stop and wait, there are likely oncoming cars, or the construction vehicles are temporarily in the lane.	