Students investigate a crash which has occurred and identify the factors which contributed to the crash. Evidence and clues are hidden within the crash scene and students have to find the evidence and collect it and add it to the electronic worksheet (see below).

Students must open the electronic PDF and use it alongside the crash scene by copying the clues from the crash scene into the fields provided. The images on the worksheet correspond to the clues that can be found in each crash scene.

The worksheet can be also be downloaded and used as a written worksheet for students.

To ensure students have found all of the clues, students will also collect mystery letters which will form a password to allow access to the next scene.

Using Crash Scene Investigation in the classroom

This activity is well suited to students either working individually or in small groups. Students need to explore each scene to find the clues. Each time they hover the mouse over a section that contains a clue a blue exclamation mark will appear to indicate that a clue is at this point.

Students click the and are automatically taken to a visual clue (either a video or an image). The students must read any instructions on the page before proceeding and watch the video or scroll over or click the image to reveal further visual clues.
When the student clicks on the clue icon, the clue is revealed as handwritten text. Students select and copy the clue and paste it into the PDF worksheet for that scene. They also select and copy the mystery letter into the space provided on their worksheet. Further information on crash factors such as speeding, fatigue and drink driving can also be accessed by double-clicking on each handwritten clue.

After reading this information, students select anything they feel is important to the clue, then copy and paste into the PDF worksheet.

NB These ‘More Information’ text boxes can be printed for discussion in class by clicking on the ‘Guide’ link in each crash scene. Double-click to close the text box.

**Moving to the next scene: Passwords**

The mystery letters collected with each clue must be un-jumbled to form a password. The password will allow the student to move to the next scene. When the student clicks on the blue magnifying glass “I’ve found all the clues” a prompt will appear asking for the password. A clue will be given to help the students un-jumble the mystery letter and input the correct password.
Worksheets and Crash Scene descriptions

Scene 1 takes place 30 minutes after a crash involving two vehicles. Students must carefully scan the scene for clues. The clues uncovered from the scene should be copied and added to the scene worksheet (as above). Encourage students to think carefully about each person’s role in the accident and what factors may have contributed to the crash. Once students can show they have collected all of the clues and added them to the worksheet, the students can click on the blue magnifying glass "I've found all the clues". This will prompt the student to enter a password created from the mystery letters collected with each clue. The students will then be given an opportunity to select the person who they think was responsible for the crash and lead them directly to Crash Scene 2.

This scene takes the students back in time 4 minutes before Crash Scene 1. In this scene, the ambulance and tow-truck drivers have arrived on the scene. Some other factors come in to play that may give the students a different perspective. Once students can show they have collected all of the clues from this Crash Scene 1 and added them to the worksheet, the students can click on the blue magnifying glass "I've found all the clues". Students follow the prompts to enter the Scene 2 password. This will allow them to select the person who they think was responsible and lead them directly to Crash Scene 3.

This scene takes you back in time before the crash has happened. Look closely at each clue and think about how each driver is behaving. The clues and information in this scene will help you accurately determine who is at fault. Once students can show they have collected all of the clues and added them to the worksheet, the students can click on the blue magnifying glass "I've found all the clues". Students follow the prompts to enter the Scene 3 password. This will allow them to make their final selection as to the person who they think was responsible.
Teaching and Learning activities to accompany Crash Scene Investigation

Crash Scene Investigation is based on the road safety education resource for Stage 5 Shifting Gears. You can find additional teaching and learning activities which accompany Crash Scene Investigation by accessing the Shifting Gears teaching manual.

Section 1: Crash Investigator

Activity 1.1 - analyse factors contributing to the crash in Crash Investigator and relate these to a mock crash scene.
Activity 1.2 - use the Haddon Matrix to analyse factors which contribute to crashes in NSW and develop strategies to reduce crashes.
Activity 1.3 - explore the skills needed for safe driving, moving beyond car control skills to perceptual, cognitive and social skills.

Resources required

1.1
Student Worksheet 1.1 – Crashes in NSW, 2003.

1.2
Student Worksheet 1.1 – Crashes in NSW, 2003.
Student Worksheet 1.2 – Predicting contributing factors.

1.3
Teacher Information Sheet 1.2 – Driver skill cards.
Student Worksheet 1.3 – What skills are needed to be a safe driver?

Websites

Interactive crash statistics tool – Transport for NSW

Geared

Centre for Road Safety – Staying Safe