



Speed Module

The aim of this module is to increase the learner driver's understanding of how even small increases in speed will increase both the likelihood and severity of a collision.

The outcomes are for the learner driver to better understand:-

1. That as speed doubles the braking distances quadruples
2. That as speed increases their vision becomes more tunneled meaning it is harder to spot hazards to the sides.

Ask the learner to complete the pre-module evaluation sheet (1)

After they have watched the video the instructor asks the following questions (We've given you answers or examples)

1. **Why do you think braking distances quadruple?** (Answer: The motion of the car increases the force needed to stop the car. Then as the speed doubles the force quadruples).
2. **Does this happen with all cars and drivers?** (Yes, this is a law of physics, as speed increases the braking distance for any car and driver will increase by a factor of 4)
3. **What happens to our vision as we increase speed?** (As we increase speed our vision to the sides becomes increasingly blurred as we try to look further ahead).

Additional discussion points

- 1. What other benefits are there to having speed limits?** (They help drivers to anticipate the likely speed of approaching traffic, although care must be taken with this. They can also improve traffic flow).
- 2. Are speed limits the same for all vehicle types?** (No, national speed limits are different for some vehicle types e.g., LGVs.)
- 3. How do speed limits help the environment?** (By reducing emissions and noise)

Key Learning to be summarised by the instructor:-

1. Even small increases in speed increases both the likelihood and severity of a crash.
2. As we double our speed, we quadruple the force needed to stop.
3. As we increase speed it becomes more difficult to see to the sides.
4. Remember to lift your right foot, as it saves fuel and reduces the risk of fines.
5. Remember if you get 6 points you will return to being a provisional licence holder.

At the end of the lesson ask them to complete the post-module evaluation sheet (2).