



The right formula

Taking driving into the classroom

Vehicle Dynamics – Theme 6: Crashes

Activity 6a

The force of a crash

Vehicle crashes are common, especially on the road, and they can be the cause of death, injury and financial loss. On the track, cars crash into each other or into barrier fences. On the road, cars can also crash with pedestrians, cyclists and motorcyclists, all of whom are much less protected than car occupants.

Understanding what can cause and what happens during a crash is very important in order to minimise the risk of a crash happening.

Study **Factsheet 6a: What happens in a crash?** to understand the forces at play during a car crash and to help you calculate the forces for the scenarios.

Class organisation

Individual work

Resources

Worksheet 6a:
Crash scenarios

Factsheet 6a:
What happens in
a crash?