



Road safety and Physics

Worksheet¹

Factors to be investigated

1. The role of the airbag in a traffic collision
2. The role of the seat belt in a traffic collision
3. The braking distance as a function of speed

A: Record which of the three factors you have undertaken to investigate.

B: Plan appropriate activities to investigate the factor.

¹ The worksheet is open. In case the groups have difficulty in designing the experiments a more guiding worksheet can be given. Similar worksheets can be prepared by the collaborating teachers for the other investigative activities.

C. Consult your teacher about your design and redesign your activities, if necessary.

D. Implement the activities you have planned and record the results of your measurements.

E. Analyze the results you recorded and formulate your conclusions about the factor you investigated.