

## Be safe - stop the car!

literacy task

You are an expert both at driving and at instructing others; you have driven lorries through the desert, sped through through snow and mud in rallies, and delivered bottle from a milk float in London. Now you face your greatest challenge - explaining the hazards of driving too fast and too clse to the car in front.

You must:

describe how the total stoppping distance depends on the speed of the car, the reaction time of the person and the conditions of road and car.



You should:

discuss the factors that affect the reaction time, naming the drugs that could slow down the reaction time and the importance of avoiding distractions;

find some information on the brakes and tyres that are used on everyday cars, formula 1 racing cars, and aircraft landing equipment.

You could:

describe how to measure reaction time, and outline further experiments that could quantify the effects of alcohol;

give some ideas about of the development of different types, construction and materials that are used in roads, tyres and brakes.

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