

GENERAL CERTIFICATE OF SECONDARY EDUCATION

TWENTY FIRST CENTURY SCIENCE

ADDITIONAL SCIENCE A

Unit A154: (controlled assessment)

A154

PHYSICS A

Unit A184: (controlled assessment)

A184

Factors that affect the motion of a vehicle along a surface

Information for Candidates (1)

To be issued to candidates at the start of the task.

Information for candidates

You are going to carry out an investigation on the factors that affect the motion of a vehicle along a surface.

Background

As an object moves along a surface, forces acting on the object will affect its ability to move. This is important in many situations, for instance, the movement of a ball in certain games and the movement of motor vehicles along road surfaces.

Organisations involved in road safety investigate and publish information on the stopping distances of vehicles travelling at different speeds. Car companies investigate the performance of their vehicles running at different speeds and on different road surfaces.

You will choose a factor and investigate the factor's effect on the motion of a vehicle along a surface.

BLANK PAGE

PLEASE DO NOT WRITE ON THIS PAGE

PLEASE DO NOT WRITE ON THIS PAGE

Copyright Information:

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (OCR) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

OCR is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.