

# The right formula

Taking driving into the classroom

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The Ultimate  
Driving Machine

## Communications – Theme 10: Driven by design

## Worksheet 10c

### The brief

The design and construction of a new race circuit in Great Britain has been approved in principle.

You are invited to submit plans and proposals to include:

- details of the proposed location (shown on a map)
- a 3-dimensional model of the circuit and the surrounding area
- a written rationale for your proposals.

### Criteria for choosing the location:

- not too close to existing race circuits
- outside urban areas
- relatively close to a motorway or other major road, for easy access
- minimum disturbance to neighbouring villages and communities.

### Criteria for the design of the circuit:

- provide a variety of corners and straights
- have an overall length of no less than 8km and no more than 12km
- as much as possible, follow the natural landscape (for cost effectiveness)
- have enough space around for additional facilities.

You need to indicate on the model where you propose to locate:

- the spectators area
- the pits and pit lane
- parking facilities
- auxiliary buildings (offices, public facilities, etc).

Please note: great emphasis will be placed on safety. Your designs and proposals must clearly show that you have considered all safety aspects as a priority.