



The right formula

Taking driving into the classroom

Communications – Theme 10: Driven by design

Activity 10c

Design a race circuit

Detailed and meticulous planning goes into the design of racing circuits to allow testing of drivers' skills and tactics, and performance of racing cars, whilst taking into account important safety factors. Consideration is also given on where to best place the spectators' area and the pit stops, with safety always being an important factor.

The wider area is also considered including access to the venue, parking facilities for spectators, effect on neighbouring towns and villages, and the environment.

You have been tasked to plan and design a new race circuit in Great Britain. You are expected to propose an appropriate area of the country, not too close to other venues, and to present your proposals as a 3D model together with a written paper outlining the rationale behind the design and the chosen area.

- This can be a whole class or a group project.
- As this is a complicated task, good project management is vital. Study **Worksheet 10c: The brief** and start by planning the tasks involved and the timescales needed. You can use **Template 10c: Project planning** for guidance or you can create your own.

Class organisation

Whole class or
group work

Resources

Worksheet 10c:
The brief

Template 10c:
Project planning