



Emkay Plastics x Formula One™ Team: Shape of Speed School Competition

The big reveal

Emkay Plastics is collaborating with a Formula One™ Team to launch an exciting design and making competition for schools. Your challenge is to transform Roacell offcuts into a small sculpture or model that captures the energy, creativity and engineering spirit of Formula One™.

Your mission

Think like a designer. Build like an engineer. Tell a story through shape, structure and imagination. Your model can be inspired by:

- British design, engineering and innovation
- Motorsport performance, aerodynamics and speed
- The future of materials, efficiency, circularity and sustainable design

What students need to do

- Use the Roacell offcuts provided as the main material for the build
- Create a short design statement of no more than one page covering:
 - (1) The idea behind your model and what it represents
 - (2) How your design developed, including sketches, iterations or prototype photos
 - (3) What you discovered, tested or learned during the build

Practical guidance

- Maximum model footprint: 50cm²
- Students should follow normal DT workshop controls and safe handling guidance
- The model should not be a F1 car, road car or any direct car model.

How entries will be judged

- Creativity, originality and ambition
- Smart and imaginative use of reclaimed material
- Quality of making, finish and structure
- Strength of the design story, learning journey and final presentation

Competition timeline

Date	What happens
September 2026	Competition launches, the Formula One™ Team collaboration is introduced and students sign up.
September 2026 – February 2027	Competition live: students design, test, refine and build their models using Roacell offcuts.
Friday 26 February 2027	Digital images of completed models and design statements must be submitted to Emkay.
March 2027	Judging takes place at a Formula One™ Team HQ.
March or April 2027	Winning entry is announced and the winning student is invited to visit the Formula One™ Team HQ

The prize

- The winning entry will be displayed by a Formula One™ Team.
- The winning student and their family will be invited to a Formula One™ Team for an exclusive tour.
- The winning school will receive a £1,000 donation, with £500 from a Formula One™ Team and £500 from Emkay Plastics.
- The Formula One™ Team will be revealed at the end of the competition.