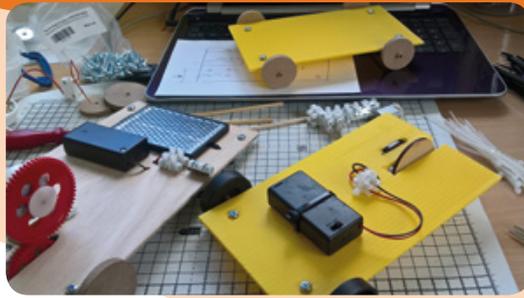


CAR OF THE FUTURE

We're often asked if we'll all be driving electric cars in a few years. The simple answer is "probably not". That's because there are so many competing technologies, and each is better suited to a different application.



"Researching which materials are sustainable... learning about ways to travel... researching fuels and how they affect the environment... thinking creatively"

Feedback on what students in years 8 and 9 enjoyed about the Future Transport Challenge

The car you take on a road-trip around Europe is probably a different car to the one you use for making local deliveries around the city centre; or maybe it isn't, or shouldn't be... During this fun, hands-on workshop we discuss these, and related, topics with the group whilst the students build their own gravity and electric cars, test their efficiency, and make improvements.

Starting with a Gravity Car, we discuss momentum, friction, mass, and gravity before moving on to build cars powered by batteries, capacitors, and solar panels (depending on time available; if time is limited we will demonstrate each one).

Discussions naturally lead on to how we will generate power in the future (wind, solar, tidal, nuclear, etc.) and how we can store it... a valuable insight into one of the great STEM challenges of our time.

Every student gets to keep their Gravity Car, and depending on package chosen they can keep their battery-powered electric cars too!

NEW! If you wish to do it yourselves we can supply [a] pre-built ready-to-assemble cars, [b] a pack of components (cutting, drilling and soldering required), or [c] a parts list (with supplier details) so you can buy the parts. Full instructions are included with all options. Call for details.

- KEY STAGE 1
- KEY STAGE 1
- KEY STAGE 3
- KEY STAGE 4
- KEY STAGE 5

About Weald Technology

Weald Technology Ltd is a social enterprise and an award-winning engineering company. Our mission is to inspire young people to pursue engineering careers, which we do with STEM workshops based on innovations in sustainable transport. We keep our knowledge up-to-date, and our STEM projects relevant, through collaborating on industrial research and development.



For further information please call
Phil Edwards on 01825 761890
email: education@weald-tech.co.uk

