



IF YOU WERE AN ENGINEER

WHAT WOULD YOU DO?®

Central England Leaders Award 2019
 Winner, Year 10

The Fuel Tool

What is an engineer?
 A person who designs, builds or maintains engines, machines or structures.

So many people each year have to spend thousands of pounds fixing their car because they have put the wrong fuel in their car, causing major damage to the engine.

If I were an engineer I would solve this problem by manufacturing plastic covers that will screw onto the hole where the fuel is pumped into the tank. These covers will have shapes on to represent your car type - Diesel or Petrol. These covers make the driver physically unable to put the wrong fuel into their car.

If I were an engineer what problem would I solve?

For example, if your car was diesel a cover with a square hole could represent your car. Or if your car was Petrol, a triangular cover could represent your car.

- △ For my idea
- to actually work I would
- △ also have to
- manufacture the
- △ nozzle face on
- the end of
- △ the hose so
- that it only
- △ fits into the
- cover for the
- car's type.

Plastic covers making it easier to insert the fuel pump.

Name: Paris Oliver
 Gender: Female
 School name: Wigmore High School
 Year group: Year 10
 Which engineer inspired you? James Dyson

The "The Fuel Tool" designed to solve the problem of motorists misfuelling their cars utilising differently shaped fuel pump nozzles and matching fuel input openings on vehicles with different fuel requirements, i.e., one shape for petrol and one for diesel.

