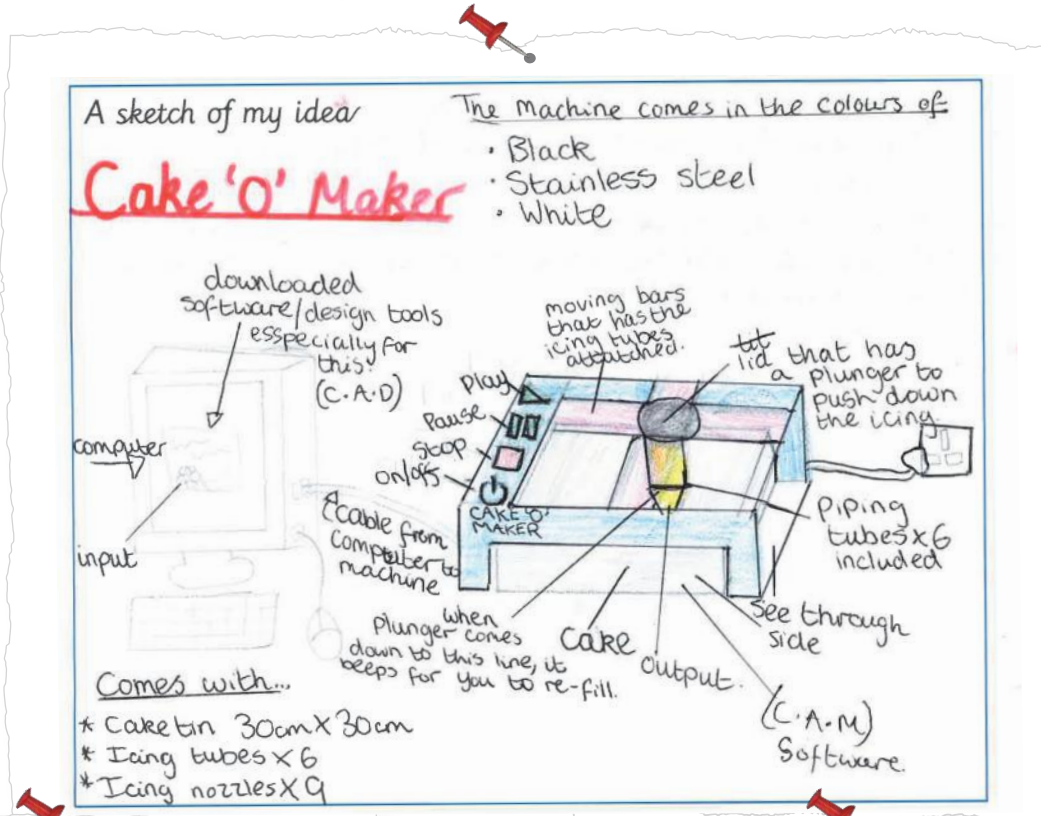




IF YOU WERE AN **ENGINEER** – WHAT WOULD YOU DO?

Greater Manchester, Year 6 Award Winner



Name:
 Shaili Khimani

Gender:
 Female

School Name:
 Beaumont Primary School

Year Group:
 Year 6

Which engineer inspired you?
 Paul Buxton

What company does your engineer work for?
 Buxton Designs

A description of my idea

The Cake 'O' Maker is a machine which develops and produces a design made from icing to go on your cake. Inspired by laser cutters and 3D printers, this product all together uses C.A.D. C.A.M. software of just like other existing machines. On your computer, you will have to download software to create the design. Then you connect the machine to your computer to transfer the design. The machine will process the information and will convert the design onto your cake which already has its base layer (done by hand). On the piping tube lid, there is a plunger which is on the inside so it can push down the icing at a rate. Once the plunger reaches a line marked near to the bottom, it starts to beep to tell the user to re-fill the tube. It comes with 9 nozzles however most of the other nozzles don't fit on the end of the tube. The amount of time it takes varies according to the intricacy of the design. The machine also comes with standard recipes of icing so it isn't too thick or too thin and you can add the flavours or colours. The machine would be powered by mains.

* not made by us



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