Initials Keyring Teacher Notes

This task proved to be a good 1st task in Fusion 360.

The keyrings have a relatively short 3D print time, although this will vary with different 3D printers.

You could instruct your class to reduce the size of the keyring to speed up print time. For example, in this tutorial the keyring size is 65mm x 35mm, however, the print time is halved if you reduce this size to 35mm x 25mm. This size still gives ample room for 3 initial letters.

As an example, here are the 3D print times for each of these sizes on the Up Mini and the Makerbot Replicator 2:

	65mm x 35mm keyring	35mm x 25mm keyring
UP Mini	40 minutes	20 minutes
Makerbot Replicator 2	16 minutes	9 minutes

Ensure you restrict the Font which pupils can use for the initials as if they choose very scrolled fonts with fine parts within them or small serifs on, they can prove more difficult to 3D print as small fine piece of plastic can break off.