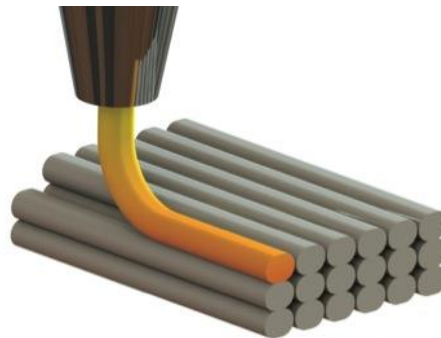


1. Research and describe another use of 3D printing not mentioned in today's lesson.

Expect many different answers from students e.g. The 3D Printing of drugs to help with medicine. The 3D Printing of synthetic organs for medical research. The use of 3D Printing in consumer goods such as Jewellery and apparel. Customisation of products such as soles of trainers for sports personal. 3D Printed Furniture and goods for the home. Students need to state a new use of 3D Printing and then offer a more detailed explanation.

2. The type of 3D Printer you learnt about in class uses FDM technology. What does FDM stand for?

Fused Deposition Modelling



3. 3D Printing is also known as 'Additive Manufacturing'. Referring to the image above explain this term.

Additive manufacturing is the making of 3D designs that have been made by adding layers on top of layers. Looking at the image above, this shows how the material is extruded through the printer nozzle then deposited onto the previous layer. The material cools down fast so the part can maintain strength properties. Additive Manufacturing is commonly used to refer to more expensive, higher end 3D Printers.