3Doodler Create

Is it a 3D Printer or is it a Modelling Tool?

It is both of these things but 3Doodler is certainly not a toy - although it is great fun to use! 3Doodler works in the same way as FDM 3D Printers by feeding a plastic filament into a heated liquefier head and extruding this as a very fine filament of sticky molten material. This fine filament is then extruded onto a base, or onto itself, so that you can quickly build up layers to create 3D models. Provided the filament is laid down while still hot, the layers will fuse into a solid plastic model. The shape, strength and solidity of the model is controlled entirely by the user – the more densely you lay down the filament, the more solid (and strong) will be the model. It really is that simple – but 3Doodler is clever too. 3Doodler is an ingenious hand-held device that not only feeds, melts and extrudes the filament but finely controls the process too. By selecting the material to be used from the LCD display, you will be selecting extrusion speed and temperature. This allows a wide variety of thermo-plastic materials to be used and provides the optimum conditions for the type of modelling you want to do.

Where can I use 3Doodler?

3Doodler is great for free-form modelling plastic parts – even for spacial models 'in the air'. Models can be entirely expressive forms or be functional parts for projects. Because 3Doodler uses the same materials as 3D Printers, it can even be used for repairing, beefing-up or modifying 3D printed parts without the need to edit a CAD file and run the job again.

Is 3Doodler Safe for Kids?

Materials such as PLA, ABS and FLEXY are commonly used in children's toys and food packaging and, therefore, completely safe. The extrusion tip will be hot but careful attention to ergonomics makes it easy and natural to keep hands and fingers away. The extruded filament is hot but only for a very short time – normal supervision and instruction will be sufficient to ensure teachers can confidently allow 3Doodler to be used in their classroom.

What Materials does 3Doodler Use?

Because 3Doodler closely controls temperature and feedrate, a wide variety of materials can be used. These include:

ABS – for strong models in range of colours

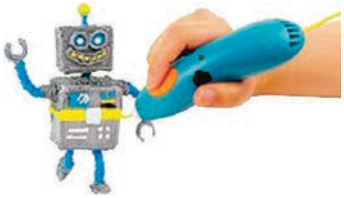
PLA – a general purpose material for lower-cost models in a range of colours

FLEXY - for creating moving joint/parts with maximum stretch

In addition, specially 'filled' grades of filament will give the appearance of wood, stone or brick. Thermo-chromic, luminous and flexible filaments are also available. 3Doodler is supplied with a range of sample materials to help you get started.

Prices £*		*See Pricing Information on page 2
AR-3DP2-PK1	3Doodler Create+ Full Education Bundle. *Includes 12 3Doodler Create+ Pens, 12 DoodlePads, 4 Nozzle Sets, 12 Adapters, 1200 Filament Strands (500 ABS, 500 PLA, 200 Flexy), Teacher's Kit (inc. JetPack, Checklist, Welcome Sheets, Cheatsheet, Poster, Activity Guide, Troubleshooting Guide, Create+ Manual, EDU Booklet, 2 Lesson Plans, 2 Nozzle Removal Tools, 2 Mini Screwdrivers, 2 Unblocking Tools).*	
AR-3DP2-PK2	3Doodler Create+ Half Education Bundle. *Includes 6 3Doodler Create+ Pens, 6 DoodlePads, 2 Nozzle Sets, 6 Adapters, 600 Filament Strands (200 ABS, 200 PLA, 200 Flexy), Teacher's Kit (contains JetPack, Checklist, Welcome Sheet, Cheatsheet, Poster, Activity Guide, Troubleshooting Guide, Create+ Manual, EDU Booklet, 2 Lesson Plans, 2 Nozzle Removal Tools, 2 Mini Screwdrivers, 2 Unblocking Tools).*	
AR-3DP2-TE1	3Doodler Create+ Teacher Experience Sample Pack. *Includes 3Doodler Create+ Pen, 50 Create Plastic strands, Adapter, Unblocking Tool, Nozzle Removal Tool, Mini Screwdriver, Coupon, Sample Checklist, Samples Cheatsheet, Sample Lesson Plan, Sample Activity Guide, EDU booklet, Troubleshooting Guide, Create+ Manual. N.B. Limited to One Per Classroom.*	
AR-3DP2-RF1	3Doodler Create+ Learning Pack Refill. *Contains 1200 filament strands (500 ABS, 500 PLA, 200 Flexy).*	

3Doodler Start



The 3Doodler Start Pen and Eco-Plastics are specially designed to be completely safe for kids aged 8 years and above. There are no hot parts on the pen and our Eco-Plastic is made from food-safe materials, is non-toxic, BPA-free, and completely biodegradable in your household compost. The pen nozzle and plastic can safely be touched with no burn risks. No mess, eco -friendly plastics. Allows children to literally draw in the air with only one speed and one temperature.

Prices £*		*See Pricing Information on page 2
AR-3DP3-PK1	3Doodler Start Full Education Bundle. *Includes 12 3Doodler Start Pens, 12 DoodlePads, 24 DoodleBlocks, 12 USB cables, 1200 Start Plastic Strands (150 of each colour), Teachers Kit (including Checklist, Welcome Sheet, Cheatsheet, Poster, Activity Guide, DoodleBlock Guide, Troubleshooting Guide, Start Manual, EDU Booklet, 2 Lesson Plans, 2 Unblocking Tools).*	
AR-3DP3-PK2	3Doodler Start Half Education Bundle. *Includes 6 3Doodler Start Pens, 6 DoodlePads, 12 DoodleBlocks, 6 USB cables, 600 Start Plastic Strands (75 of each colour), Teacher's Kit (including Check Checklist, Welcome Sheet, Cheatsheet, Poster, Activity Guide, DoodleBlock Guide, Troubleshooting Guide, Start Manual, EDU Booklet, 2 Lesson Plans, 2 Unblocking Tools).*	