

3D PRINTING CURRICULUM – VAMA EDTECH

Sr. No	Topic	Learning outcome
1	Basic shapes	Introduction to SketchUp and the 3D printer
2	Hut, house	Using the Rectangle, pencil tool and printing a house / hut
3	Building	Using the Push /pull / move tool and creating a bigger and complicated structure
4	Name tag	3D text name design and print
5	Dice	Scale tool, design dice and print
6	Bubble blower	Circle, pan tool, design and print
7	Spanner	Using the Erase, orbit tool to make a spanner and print
8	Pipe	Using the Arc, follow me tool and designing a long pipe and print
9	Hammer	Using the Push up, Erase tool / designing a hammer and print
10	Bowl	Using circle and rectangle together /designing a bowl and print
11	Donut	How to use two circles with different axis like a donut and then print it
12	Pot	Using the Circle / rectangle/ follow me tool/ design a pot and print
13	Headphone	Using the Arc, push up tool and designing the headphone
14	Gear	Using the copy and 2point arc tool /designing / printing
15	Chess piece	Using scale, circle, follow me tool /designing a chess piece / print
16	Lego part designing	Using all tools/designing a Lego part / print

Note: Children learn how to operate the 3D printer and tools and work on the designing tool SketchUp. All 3D printed objects are given to the children