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| **Year 5 Summer 1 – 3D Modelling** | | |
| **Key Images** | **Key Learning** | |
| |  |  | | --- | --- | | 2D Image |  | | 3D Image |  | | Net View |  | | Colour palette |  | | Clear, Undo and Redo |  | | Fill options |  | | Magnify |  | | * To be introduced to 2Design and Make and the skills of computer aided design. * To explore the effect of moving points when designing. * To understand designing for a purpose. * To understand printing and making. | |
| **Key Vocabulary** | **Key Questions** |
| * CAD – Computer aided Design * Modelling * 3D * Viewpoint * Polygon * 2D * Net * 3D Printing * Points * Template | **What are the different view of an object available in 2Design and Make?**  Net, Points and 3D.  **How can the objects designed in 2Design and Make be turned into 3D objects?**  You can print the net and then cut and fold this into shape or you can convert the file into a format recognised by 3D printers.  **How is CAD software used in industry?**  It is used to design 3D objects in a 2D environment.  Some examples are; Architectural plans for buildings; designing layouts for interiors; designing objects such as packaging and designing mechanical components; designing shoes and clothing. |



Reference to