**Hillside Primary School**

**DT Long Term Plan 2021-2022**

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| DT Units – To design, make and evaluate a… | | | |
|  | Term 1 | Term 2 | Term 3 |
| EYFS | Making Fireworks – The Gunpowder Plot CAD Christmas crowns Den building - Woods | Food making sandwiches – The Disgusting Sandwich story. Structures - houses/schools - People Who Help Us -Builder Food -Making Soup –Oliver's Vegetables | Minibeast Hotels Making Boats (linked with science experiments float/sink Making Aeroplanes/Trains |
| Year 1 | Textiles (templates and joining techniques): a toy puppet for themselves and their family to play with | Mechanisms (sliders and levers): a model house of the fire of London to teach Reception about dangers of fire | Food (preparing fruits and vegetables): salad for animals at Peak Wildlife Park |
| Year 2 | Food (preparing fruits and vegetables): a healthy pizza for Santa, to fill him up before his Christmas journey | Structures (freestanding structures): animal enclosure for the enormous crocodile to keep him safe | Mechanisms (wheels and axles): a moon buggy for Neil Armstrong’s mission to the moon |
| Year 3 | Textiles (2d shape to 3d product): a cushion for the man in the Kapok tree story for comfort | Food (healthy and varied diet): fruit skewers for children to promote healthy eating | Mechanisms (levers and linkages): an information book for younger children to learn about The Stone Age. |
| Year 4 | Food (healthy and varied diet): a new Roman bread for a baker to sell in his shop | Shell structures using computer-aided design (CAD): a box for Will to store his memories | Electrical systems (simple circuits and switches – programming and control): an illuminated frame to display a piece of art |
| Year 5 | Food (celebrating culture and seasonality): a Greek bread for guests attending a Greek festival | Mechanisms (gears): a traditional fairground ride for the Queen to celebrate the Platinum jubilee. | Textiles (combining different fabric shapes – inc. CAD): a mobile phone case for themselves to keep their phones scratch -free |
| Year 6 | Structures (frame structures): a market stall for Jim to sell shrimps | ------- | Electrical systems (complex switches and circuits – programming, monitoring and control): an air raid siren to warn citizens of Luftwaffe |