



## Grafton Primary School Design and Technology Yearly Overview

In Year 1 – Year 6 each half term, the year group studies an Art & Design or a Design & Technology unit.

For Design and Technology, the units develop understanding and skills across Food, Textiles, Structures, Mechanisms, Electrical Systems and the Digital World.

| Year group | Autumn 1 | Autumn 2                                       | Spring 1                                                   | Spring 2                                             | Summer 1                                                                                                      | Summer 2                                           |
|------------|----------|------------------------------------------------|------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Nursery    |          | <u>Food</u><br>Gingerbread /Cake               | <u>Food</u><br>Pancakes<br><u>Structures</u><br>Block play | <u>Food</u><br><u>Soup</u><br><u>Chocolate nests</u> | <u>Food</u><br><u>Fruit Salad</u>                                                                             |                                                    |
| Reception  |          | <u>Textiles</u><br>Celebration cards           |                                                            |                                                      | <u>Food</u><br>Preparing food for the caterpillar.<br><u>Structure</u><br>Make a caterpillar from an egg box. | <u>Structure</u><br>Habitat models                 |
| Year 1     |          | <u>Textiles</u><br>Puppets: Joining techniques |                                                            | <u>Mechanisms</u><br>Wacky Races:<br>Wheels and axle |                                                                                                               | <u>Food</u><br>Designing                           |
| Year 2     |          | <u>Food</u><br>Healthy wraps                   |                                                            | <u>Mechanisms</u><br>Making a fairground wheel       |                                                                                                               | <u>Textiles</u><br>Purses and pouches              |
| Year 3     |          | <u>Mechanisms</u><br>Pneumatic toys            |                                                            | <u>Textiles</u><br>Egyptian collars                  |                                                                                                               | <u>Food</u><br>Eating seasonally (Vegetable tarts) |



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|--------|---------------------------------------------|------------------------------------------------------------------|--------------------------------------|-------------------------------------------------|------------------------------------------------|-----------------------------|
| Year 4 |                                             | <u>Structures</u><br>Pavillions                                  | <u>Electrical systems</u><br>Torches |                                                 | <u>Food</u><br>Adapting a recipe<br>(Biscuits) |                             |
| Year 5 | <u>Structures</u><br>Bridges                |                                                                  |                                      | <u>Food</u><br>Adapting a recipe<br>(Empanadas) |                                                | <u>Textiles</u><br>Soft toy |
| Year 6 | <u>Electrical Systems</u><br>Burglar Alarms | <u>Digital world</u><br>Navigating the world<br>3D CAD Tinkercad |                                      | <u>Food</u><br>Come Dine With<br>Me             |                                                |                             |