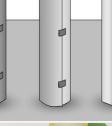
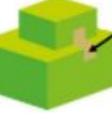
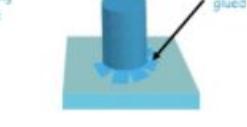


# Grange Park Primary School Year 1 Autumn 2 Design and Technology

## Freestanding Structures: A chair for Ted the Teddy

| Key People and Events |  | Key Knowledge and Skills                          |  |   | Key Vocabulary      |   |
|-----------------------|--|---|--|---|---------------------|---|
| 3600 BC               | The Megalithic Temples of Malta are considered to be the oldest freestanding structures on Earth.  | Identify freestanding structures                  |    |  | <b>structure</b>    | Something that has been made and put together and can usually stand on its own. |
| 3100 BC               | The first chairs have been in existence since the Early Dynastic Period of Egypt.  | Explore the strength and stability of a structure |    |  | <b>framework</b>    | An essential supporting structure of a building, vehicle or object.             |
| 1887                  | One well known freestanding structure in Europe is the Eiffel tower in Paris, standing at 324 meters.  | Cut materials                                     |    |   | <b>base</b>         | The lowest part of something, the part on which it rests or is supported.       |
| 2004                  | The Burj Khalifa in Dubai is the world's tallest freestanding structure. The skyscraper stands at 830m tall.   | Join/fix objects                                  |    |  | <b>weak</b>         | Something that is easily broken.  |
| 1955                  | Charles Eames was an American designer and architect responsible for some of the most celebrated furniture design of the 20th century, including the famous lounge chair designed in 1955. |   |   |   | <b>strong</b>       | Something that is not easily broken.  |
| 1963                  | Danish furniture designer Grete Jalk has been called the woman who revolutionised Scandinavian design. Her two piece moulded plywood chair is her most famous design.                      |   |  |   | <b>join</b>         | Link or connect objects together.   |
|                       |  |   |  |   | <b>support</b>      | Hold all or part of the weight of something.                                    |
|                       |  |   |  |   | <b>stable</b>       | Object does not easily topple over.   |
|                       |  |   |  |   | <b>fix</b>          | Fasten something securely in a particular place or position.                    |
|                       |  |   |  |   | <b>freestanding</b> | Not attached to or supported by another structure.                              |
|                       |  |   |  |   | <b>surface</b>      | The outside part of something.  |
|                       |  |   |  |   | <b>material</b>     | What an object is made from.  |

