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| St Julie Catholic Primary School - DT |
| DT – Autumn Term | Year: 1 | **Unit Title: Free standing structures: Playground equipment** |



**What should I already know?**

-Experience of using construction kits to build walls, towers and frameworks.

-Experience of using of basic tools e.g. scissors or hole punches with construction materials e.g. plastic, card.

-Experience of different methods of joining card and paper.

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| Vocabulary |
| **design** | A plan for the construction of an object |
| **construction** | Something built or stuck together |
| **textiles**  | A fibre that can be made into a cloth |
| **structures** | Something built or structured in a definite way |
| **evaluate** | To say what is good or needs improving with your design |

**Can I design and make playground equipment for a Lego person?** 



**Curriculum links:**

**Mathematics** – use appropriate standard and non-standard measures. Recognise and name common 2-D and 3-D shapes.

**Science** – think about the properties of materials that make them suitable or unsuitable for particular purposes.

**Geography** – use simple fieldwork and observational skills to study the geography of their school and its grounds and the key physical features of its surrounding environment.

**How do I create a piece of playground equipment?**

1. Can children identify different pieces of playground equipment?
2. Can children choose appropriate materials and explore different ways of combining them for a particular purpose?
3. Can children draw labelled diagrams of their designs?
4. Can children follow their designs to create their playground equipment?
5. Can children join materials together appropriately to create sturdy structures?
6. Do children know what evaluation is and why it is important?

**Skills recap**:

-Using construction kits to make towers and frameworks

-Use of scissors and hole punches

-Joining card using different methods

**DT Skills:**

-Generate ideas based on simple design criteria and their own experiences, explaining what they could make.

-Develop, model and communicate their ideas through talking, mock-ups and drawings.

**Luca Boscardin**



* Italian designer based in Amsterdam.
* Designed a modern play park in 2020 called animal factory.
* Uses simple structures to encourage imagination.
* Uses his imaginitive drawings and designs to create toys.





