


Design Technology Year 1 Toy Parks Spring Term

Prior Learning: In Year R children will have: *Safely used and explored a variety of materials, tools and techniques, experimenting with design, texture, form and function*


Explore some toys!

In this DT project we are going to make a park for our toys to play in. We will have to think about what size our equipment will need to be, what materials we could make it out of, and how to make it stand up on its own!

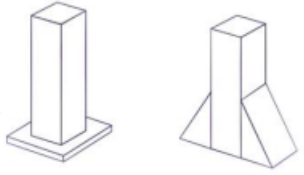


4. TWAL: to design a piece of play equipment for our toy park.

We will talk as a class about our design criteria- will our toys parks be able to carry a toy. We will develop our ideas as a class, looking at our paper structures and by making 'mock ups' of our final designs with lego or construction kits. We will draw our final plan into our books.




We will need to support our structures- this is called stabilising.

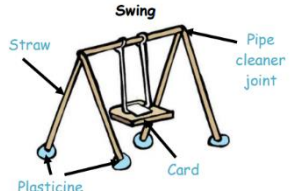


1. TWAL: about the freestanding structures found in parks.

We are going to explore what a park looks like, what each piece of equipment is called and start thinking about how it is made. We will draw pictures of park equipment and label them with the shapes we can see, the materials it is made of, and how it is fitted together (the structure).




Excellent designers label their diagrams with features.




5. TWAL: to create a piece of play equipment for our toy park.

We will create our final piece of equipment from construction kits, new and reclaimed materials, like recycled packaging or clay, or any combination of these that suit our needs.




We will need to use the correct materials for measuring, marking out, cutting and joining.

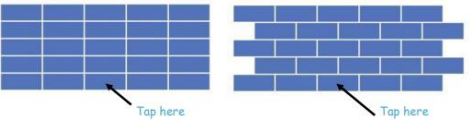


2. TWAL: how to make a stable structure.

We will build and explore a variety of freestanding structures using construction kits, such as blocks and lego. We will investigate how to stop structures from falling over? How they can be made stronger and stiffer in order to carry a load? We will try and make models of the structures they have seen in school and the local area.




Staggering blocks will make a wall more secure.




6. TWAL: to evaluate our play equipment.

We will evaluate our structure and decide what we liked, what skills we have learned and what we will improve next time.




Great designers can say what they like and what they would do better next time!



3. TWAL: to make a freestanding structure from paper

We will have a go at folding paper or card in different ways to make freestanding structures, using masking tape where necessary to make joins. We will think about how folding materials can make them stronger, stiffer, stand up and be more stable. We will try putting an object on top of our structures without it falling over or breaking!



Words we will know!

