



Newlaithes Nursery and Infant School Medium Term Planning

Year Group: 1

Term: Sum 2

Subject: DT

Learning/ Skill: Structures- chair or throne

Resources

Variety of papers, card, cardboard tubes, masking tape, straws pipecleaners, soft toys pictures of different seating indoors and outdoors.

National Curriculum Links/Learning:

DESIGNING

Work confidently within a range of contexts- imaginary.

State what products they are making and who it is for.

Use simple design criteria.

-Communicate ideas through drawings.

-model ideas by exploring materials and making templates/mock ups.

MAKING

Select from a range of tools and equipment.

Use a range of materials

Assemble join and combine materials with some accuracy.

Use finishing techniques.

EVALUATING

Make simple judgements against their design criteria.

Say what they like/dislike about their chair and if they would change anything.

TECHNICAL KNOWLEDGE

Select materials for function by property e.g , soft , bendable, stiff

Prior Learning:

Building with construction kits EYFS

Activities/Teaching

Look at pictures of thrones, garden furniture, seats. What is the function of item? Look at chairs with wheels, stools, 3 legs, 4 legs, high back low back and talk about function of these- what makes it stable? How is it decorated? What materials have been used? Why? Where might it be used? (indoors/outdoors)

Set criteria for a good chair or throne e.g it doesn't break when the toy is put on it, it is stable and doesn't wobble/fall over it shouldn't buckle or bend under the weight of the toy.

Investigate chair leg shape – tubes/cylinders. Try making cylinders from newspaper, thin card – double roll the card and resting card on top can it hold a soft toy? Are longer or shorter legs more stable? How many legs are best?

Look at strengthening seat part -folding card over, double it and glue together...

Show different ways of joining tubes -tabs round the top, folding over end of a tube and using masking tape and cutting a slot in a tube and sliding the card seat into it. (See you tube Kappow Baby bears chair)

Experiment with the above and using straws with pipecleaners inside, to join and bend to make a frame.

Children to select how they will make their structure and join legs/back/arm rests. Then plan for comfort- look at chairs with fabric, soft padding – offer possible materials -wadding fabrics etc Finally plan surface decoration e.g fabric crayons, coloured lolly sticks

Make and evaluate final product. Does it meet design criteria and achieve purpose?

Subject Specific Vocabulary

Frame structure- a structure made from thin components.

Stability – the extent to which it is like to fall over if a force is applied.

Freestanding structure-a structure that stands on its own foundation or base without being attached to anything else.

Strengthen- to make stronger.

Comfortable- a pleasant physical feeling.

Planning area links

Construction area- building structures e.g building walls – how to make it stronger. Building walls with holes for windows. Building houses to fit toys in- thinking about use of space for a bedroom, bathroom.

Any subject specific requirements?

User king or Queen toy

Purpose of product

Rest important place to sit

Features- comfortable, good to look at, will fit toy.

Future learning:

Y2 Structures using balsa wood and junks corners.