

DESIGN TECHNOLOGY: skills that need to be taught in the Foundation Stage

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What it is...

- Thinking of ideas
- Finding ways to solve problems
- Finding ways to do things
- Making predictions
- Testing ideas
- Planning, making decisions about how to approach a task and reach a goal
- Review finished product and process.

By the end of Nursery:

Health and Self care

Show some understanding that good practices with regard to eating can contribute to good health.

Exploring arts and design-exploring and using media and materials

Uses various construction materials

Beginning to construct ,stacking blocks vertically and horizontally , making enclosures and creating spaces.

Joins construction pieces to build and balance.

Realises that tools can be used for a purpose.

EYFS

ELG 05 Children –Health and self care

know the importance for good health of a healthy diet.

ELG 16-Exploring arts and design-exploring and using media and materials.

They safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.

ELG 17– Exploring arts and design- Being

Imaginative. Children use what they have learnt about media and materials in original ways, thinking about uses and purposes.

Skills taught and assessed in Nursery:

- Use scissors, hold a pencil correctly
- Use glue spreaders, glue sticks
- Draw inside templates
- Paint with large and small brushes.
- Use cutters and rolling pins.
- Name materials.
- Stir, pour, mix ,roll, ingredients for cooking
- Follow simple construction cards.
- Build with large/small construction.
- Label models, (verbally)
- Model use of weighing scales.
- Use lacing cards
- Handle hammers, screws, saws etc in builders role-play

Skills taught and assessed in Reception:

- To use colours for the correct purpose.
- To draw cut around templates
- To draw and label designs
- To name and choose suitable materials
- To use masking tape and sellotape.
- To spread butter, use spoons to mix, chop vegetables and fruit.
- To select junk materials and joining materials
- To use simple evaluation sheets
- Fold paper and card in half.
- Use mud, natural materials and clay
- Sewing (punched holes)
- To make a hinge

Suggestions for how to evidence this:

- 2Build folder
- Photographs
- Observations
- Displays
- Evaluation sheets

Specific vocabulary:

- Healthy
- Stir
- Roll,
- Spread.
- Mix,
- Scales.
- Brushes,
- Sewing,
- Name construction materials

DESIGN TECHNOLOGY: skills that need to be taught in Key Stage One

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What it is...

Through a variety of practical and creative activities pupils will be taught the knowledge and skills needed to engage in the process of designing and making. They will work in a range of contexts e.g. classroom and Children's Kitchen.

Year 1

Children should build upon previous learnt skills in the foundation stage.

They will design, make, evaluate and improve their technical knowledge through a range of creative and practical activities.

Skills taught and assessed in Year 1:

- Work safely and in a hygienic way (Children's Kitchen)
- To know where food comes from.
- Use the basic principles of a healthy and varied diet.
- Preparation of food and clearing up the workspace
- Generate ideas through discussion/sketches/templates.
- Explore and use mechanisms –sliders and levers.
- To sew using thread and bina (with holes) and cut fabric using sharp scissors.
- To explore how structures can be made stronger, stiffer, more stable.
- Make and evaluate choices.
- To say what was good/even better if....

Year 2

Children should build upon previous learnt skills in Y1. Children will evaluate existing designs to devise own criteria. They will comment and give feedback to one another.

They will follow recipes, measuring ingredients accurately and follow timings.

Skills taught and assessed in Year 2:

- To use I.T. to generate ideas, produce criteria;
- Evaluate existing designs. Compare own designs against design criteria;
- Describe design/give feedback on peers' designs;
- Use a clamp, saw wheels and axles work with triangles jinx method;
- Use a ruler to measure accurately;
- To explore how structures can be made stronger, stiffer, more stable.
- Measure (litres, grams, kg), follow recipes;
- To design and make a food product, eg a healthy meal.

Suggestions for how to evidence this:

- Photographs
- Planning/evaluation sheets/books
- Observations
- Display work

Specific vocabulary:

- **Design**
- **Make**
- **Evaluate**
- **Structure**
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