



THE BOWLAND FEDERATION OF SCHOOLS

DESIGN TECHNOLOGY CURRICULUM NARRATIVE



KEY LEARNING LINKED TO DESIGN TECHNOLOGY

Exploring Media and Materials

Explore - experiment and build with a range of construction resources, find out about the properties and functions of different construction materials.

Design - talk about ideas, choose resources, tools and techniques with a purpose in mind.

Make - make models using different construction materials (eg. construction kits, reclaimed materials), experiment with different ways to build, construct and join resources.

Evaluate - talk about what they like/dislike about their models/constructions, say why and how they would change them.

Tools and equipment - use equipment and tools to build, construct and make different models and constructions; use tools and equipment linked to food preparation.

Safety - handle and use equipment appropriately and safely.

Working as a Designer

Design	Make	Evaluate	Apply
The art or process of dividing how something will look or work.	Create something by combining materials or putting parts together.	Form an opinion of the value or quality of something after careful thought.	Use something or make something work in a particular situation.

Pre-School

I know how to select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc.

I know I can combine shapes to make new ones e.g. an arch, a bigger triangle etc.

I know to choose the right resources to carry out my own plan.

I know how to describe a sequence of events, real or fictional, using words such as 'first', 'then' etc.

Skills explored in Provision

I can explore different materials, using all my senses to investigate them.

I can manipulate and play with different materials.

I can use my imagination when deciding what I can do with different materials.

I can make simple models which express my ideas.

I can make imaginative and complex small worlds with blocks and construction kits, such as a city with different buildings and a park.

I can explore different materials freely, in order to develop my ideas about how to use them and what to make.

I can join different materials using various materials such as: glue, masking tape, paper clips, fasteners.

I can talk about the differences between materials and notice changes (e.g. melting chocolate/ baking)

I can explore different textures.

I can use one-handed tools such as: scissors, paintbrushes and glue sticks.

I can use simple finishing techniques to improve the appearance of my product.

I am confident to try new techniques and approaches when creating and making designs using a range of tools and materials.

I know it is important to follow my own ideas which may be different to others.

Reception

I know how to use a range of materials to construct.

I know how to use different techniques to join materials.

I know how to use scissors and other tools safely

Skills explored in Provision and Adult Led activities

I can safely use and explore a variety of materials

I can safely use a range of tools and techniques.

I can experiment with colour, design, texture, form and function.

I can share my creations, explaining the process I have used.

I can develop small motor skills so that I can use a range of tools competently and confidently (including scissors and knives).

I can assemble, join and combine materials and components together using a variety method e.g. glue, paper clips, fasteners or masking tape

I can return to and build on previous learning, refining my ideas and developing my ability to represent them.

I can create collaboratively, sharing ideas, resources and skills.

I can verbally evaluate my products as they are developed.

I can discuss how well my products work in relation to the purpose.

I can identify strengths and possible changes I might make to my product.

VOCABULARY	Pre- School	Subject Specific VOCABULARY	High Frequency VOCABULARY	Reception	High Frequency VOCABULARY	Subject VOCABULARY
			Stacking Joining Space Build Balance Movement Equipment Tools	Up Down Over Under Through Between		Build Height Problem Rotate Manipulate

EARLY LEARNING GOALS

Creating with Materials

Children at the expected level of development will:

- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function;
- Share their creations, explaining the process they have used;
- Make use of props and materials when role playing characters in narratives and stories.