



Term: Autumn 2

Learning Project:

How does that building stay up?

Communication & Language

Read, share or listen to stories about building and construction.

- The Three Little Pigs
- The Three Billy Goats Gruff

Talk about the type of house chn would like to live in.

Look at pictures of different buildings and bridges from around the world - discuss the structures.

Literacy

Writing Den:

Take rubbings of bricks - look at patterns and shapes.

Make drawings and write about a fantasy house that they would like to live in.

Look at a range of leaflets and brochures for the sale of different houses.

Reading Den:

Listen to and explore stories about buildings and construction.

Use puppets and props to re-tell stories.

Laminated pictures from story to order.

Maths Den

Build towers with bricks and blocks talk about height and balance. Mathematical language of measurement - higher, lower, taller, shorter, wide, narrow.

Build a train track.

Sort diggers based on size, colour, wheel size etc.

Measure heights of towers - non-standard (hands, blocks, string).

Draw houses and towers using 2D shapes.

Personal, Social & Emotional Development.

Explore roles of those who wear reflective clothing and why.

Talk to other children about their own home and community.

Extend and elaborate play ideas - workers on site building together.

Sand/Water/Materials

Variety of containers of different shape and size to build sand castles - bigger, smaller, higher, lower, taller, shorter.

Make brick shapes using different sized cartons and wet sand.

Investigate water moving on sloped surfaces with guttering and tubes.

Make rafts and boats.

Incorporate water into making buildings - making 'cement'.

Understanding the world

Investigate materials that are used for buildings - shape, texture, size - sort by properties.

Explore transparent materials - plastic sheets, plastic cups, tape, bubble wrap.

Investigate structures and how strong they are - newspaper towers.

Watch a film about demolishing buildings - document comments.

Construction

Investigate different ways of joining - lego, Velcro, magnets, stickle bricks.

Make tunnels, bridges and ramps with cardboard boxes and blocks - positional language.

Use variety of materials - boxes, pipes, rope, bubble wrap and string.

Build tall towers and sky scrapers - measure how high using hands - make a chart to show whose is highest.

Expressive Arts and Design

Prints and rubbings using screws, washers, door knobs and foam bits.

Investigate joining, using boxes, tubes, card, cartons, different sorts of tape and glue. Which tape and glue stick different materials best?

Make a tower or bridge on a large scale.

Make small homes/bridges using clay.

Physical Development.

Use climbing equipment to build structures to travel around, under, over and through.

Use wheelbarrows to move building materials around.

Small World

Create a building site using gravel, sand and pebbles with diggers, cranes and trucks.

Use modelling materials to make bricks and build walls - overlap bricks for different patterns.

Small world of buildings, towers and bridges.

Role Play

Building site - dress up as workers on site (hard hats, reflective waistcoats).

Toy Shop (creating toys)