

# Autumn 2 Y1 : Megastructures

## Key books this term

### 13 Skyscrapers Children Should Know



#### Key Vocabulary:

- **Skyscrapers:** a very tall building of many storeys.
- **Cathedral:** a very large, usually stone, building for Christian worship.
- **Architecture:** the art or practice of designing and constructing buildings.
- **Architect:** An architect is a person who practices architecture.
- **Modern:** relating to the present or recent times as opposed to the remote past.
- **Demolished:** pull or knock down (a building).

#### Key Questions?

- What is a skyscraper?
- Have you ever been in a skyscraper? How did you feel? Was it scary standing at the top?
- What is the tallest skyscraper in the world?
- What materials are skyscrapers made out of?

### The Building Boy



#### Key Vocabulary:

- **Museum:** a building in which objects of historical, scientific, artistic, or cultural interest are stored and exhibited.
- **Town:** a built-up area with a name, defined boundaries, and local government, that is larger than a village and generally smaller than a city.
- **Horizon:** the line at which the earth's surface and the sky appear to meet.
- **Girders:** a large iron or steel beam or compound structure used for building bridges and the framework of large buildings.

#### Key Questions?

- What is an architect?
- Why would Grandma build the house on top of a hill?
- Can you notice any similarities between Grandma and the house that she has built?

### The Secret Sky Garden



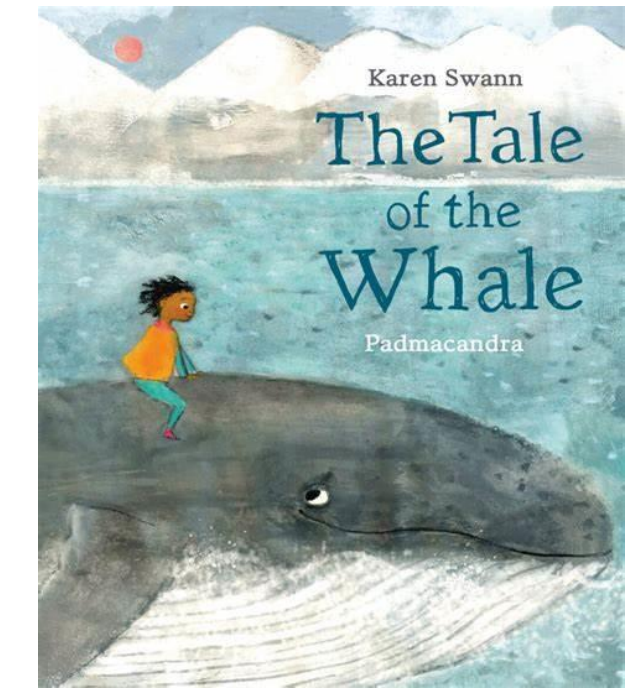
#### Key Vocabulary:

- **Airport:** a place from which aircraft operate that usually has paved runways and maintenance facilities and often serves as a terminal.
- **Tannoy:** a type of public address system.
- **Terminal:** the end of a railway or other transport route, or a station at such a point.
- **Kite:** a toy consisting of a light frame with thin material stretched over it, flown in the wind at the end of a long string.
- **Recorder:** The recorder is a family of woodwind musical instruments.
- **Harmonica:** a small rectangular wind instrument with a row of metal reeds along its length, held against the lips and moved from side to side to produce different notes by blowing or sucking.

#### Key Questions?

- How does Funni feel about the carpark at the beginning of the story?
- What do you think Funni sees when she gazes out over the city?
- What should happen to rubbish and waste?
- Is the secret sky garden a place you would like to visit? Why or why not?

### The Tale of the Whale



#### Key Vocabulary:

- **Ocean:** a very large expanse of sea, in particular each of the main areas into which the sea is divided geographically.
- **Whale:** a very large marine mammal with a streamlined hairless body, a horizontal tail fin, and a blowhole on top of the head for breathing.
- **Turtle:** a large marine reptile with a bony or leathery shell and flippers, coming ashore annually on sandy beaches to lay eggs.
- **Gull:** a long-winged web-footed seabird with a raucous call, typically having white plumage with a grey or black mantle.
- **Material:** the matter from which a thing is or can be made.
- **Recycling:** the action or process of converting waste into reusable material.

#### Key Questions?

- Why was the whale sad?
- How did all the rubbish get into the ocean?
- Why is it important to recycle?



## Science

The children will look at different objects and learn which material it is made of. We will investigate materials for strength.



## DT

The children will be working with HEPP DT to design and make a Megastructure. They will use a range of tools and equipment to perform practical tasks. The children will evaluate their work by saying what went well and what they could improve on next time.

## English



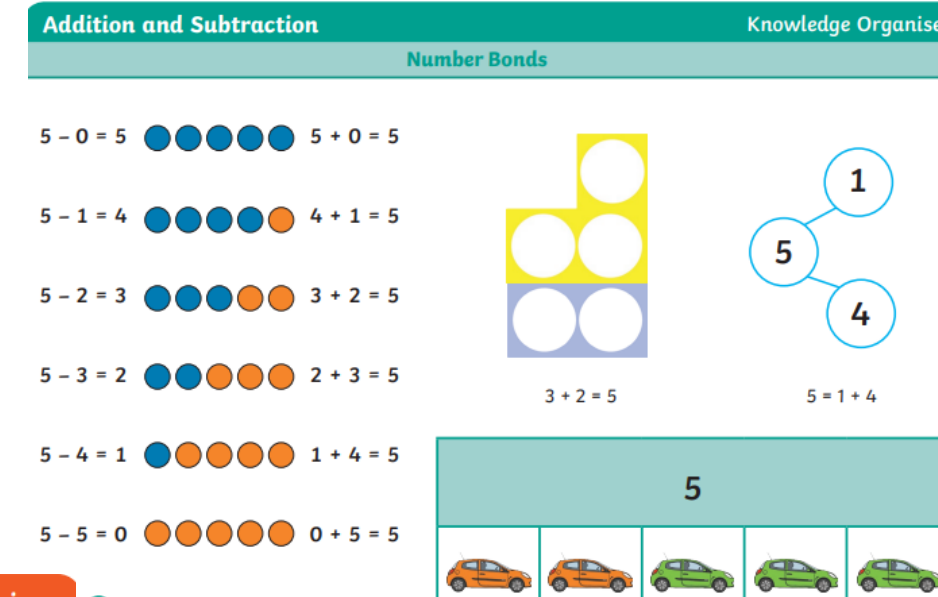
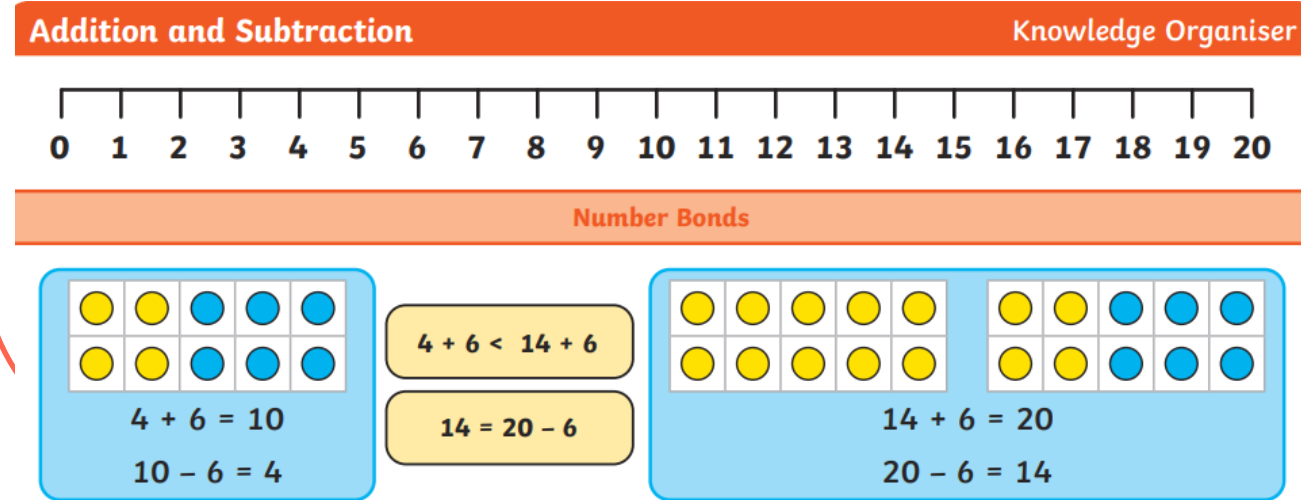
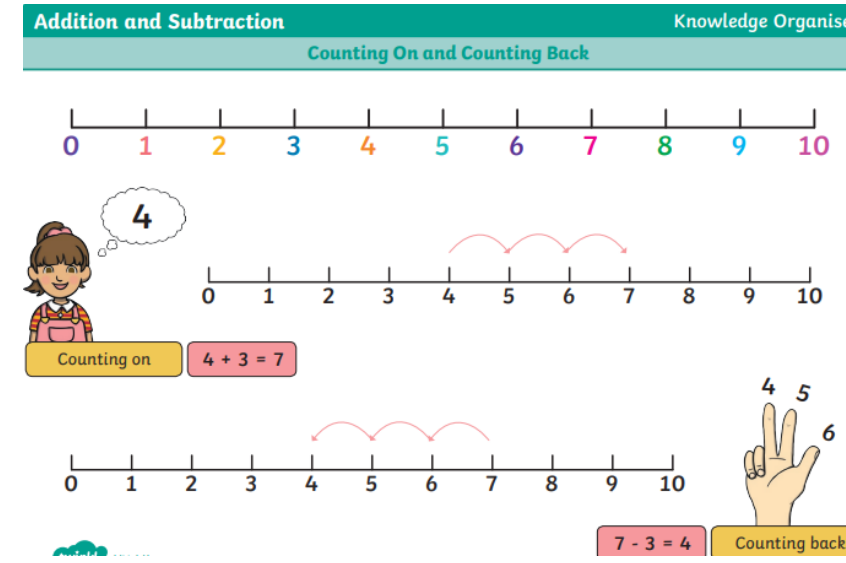
**AT HOME:** Please read your school reading books and practise reading your tricky words regularly. Please log reading on in your child's reading diary.

## Persuasion

We will read captions, pictures, posters and adverts that are trying to persuade. We will begin to recognise what they are trying to do and some of the ways they do it.

Through games and role play, we will begin to explore what it means to persuade or be persuaded, and what different methods might be effective.

## Mathematics



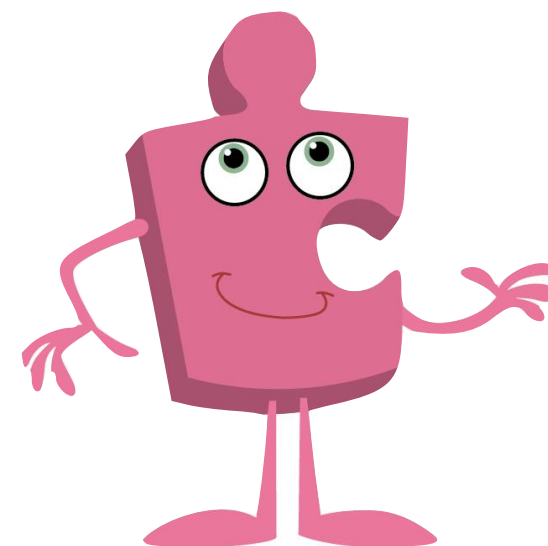
**AT HOME:** have a go at counting things around the house e.g. how many knives, forks are on the table? How many pieces of cutlery altogether? Count the different birds on the trees, how many red cars pass you on your journey?

## RHSE

### Jigsaw – Relationships

In this topic, the children are learning what it means to be a good friend and who can help them in their school community.

The children will be able to explain why they appreciate someone who is special to them.



## ICT

### Communicating: Text and Images

#### 1.1 How do I use the

#### school computer independently?

#### LEARNING OBJECTIVE:

**I understand that a computer is a type of machine and we use computers to help us find out and present information**



## PE

Indoor – The children will be learning to perform basic movements to music and build a simple themed dance based on construction.

Outdoor – The children will be learning to bounce a ball with control and aiming with accuracy.

## Music

In Music, we will be embedding skills, knowledge and understanding through singing, playing, improvising, composing and listening. The children will understand what 'rhythm' and 'pitch' mean.

We will be practising the songs for our Christmas Nativity.



## Art

The children will practise their colouring mixing skills.

They will have the opportunity to explore the work of famous sculptors. For example, Andy Goldsworthy. The children will look at different techniques using natural materials.

## RE

The children will talk about the fact that people come from different religions. They will explore stories and the celebrations of Christmas and Diwali. They will find out what the stories told at the festivals mean and learn about the emotional and social aspects of celebrations.

