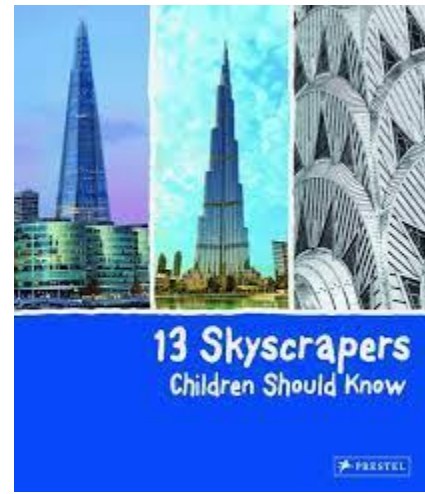


Autumn 2 Y2 : Megastructures

Key books this term



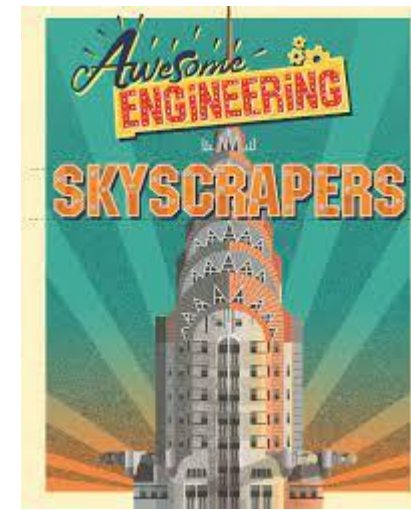
13 Skyscrapers Children Should Know

Key Vocabulary:

- **Skyscraper:** A very tall building with many storeys.
- **The Shard:** The Shard is the tallest skyscraper in London.
- **Burj Khalifa:** This skyscraper is in Dubai and is the tallest building in the world.
- **Architect:** A person who designs buildings.

Key Questions?

- What is a skyscraper?
- Where would you normally see skyscrapers?
- What materials are skyscrapers usually made from?
- Why do skyscrapers exist?
- What are skyscrapers used for?
- What is the tallest building in the world?



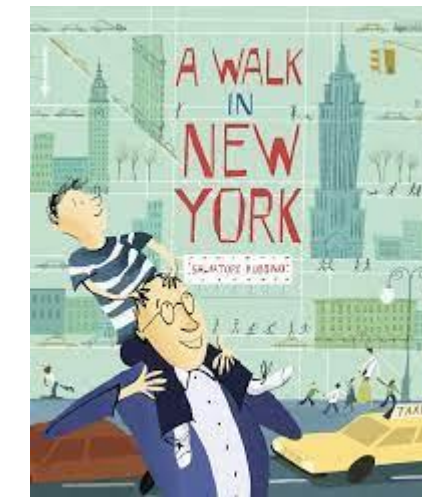
Awesome Engineering Skyscrapers

Key Vocabulary:

- **Engineer:** A person who designs, constructs and maintains buildings, machines and other structures.
- **Storey:** A part of a building with all the rooms on one level.
- **Wind power:** Wind power is a type of energy source. The power of the wind can be used in place of other energy sources such as coal, oil, and nuclear reactions.
- **Skyline:** The skyline is the line or shape that is formed where the sky meets buildings or the land.
- **Eco-friendly:** Something that is not harmful to our planet.

Key Questions?

- What benefits does the Bosco Verticale have for residents?
- How is the Bahrain World Trade Center eco-friendly?
- What materials were used to build the Bahrain World Trade Center?
- Which skyscraper do you prefer? Why?



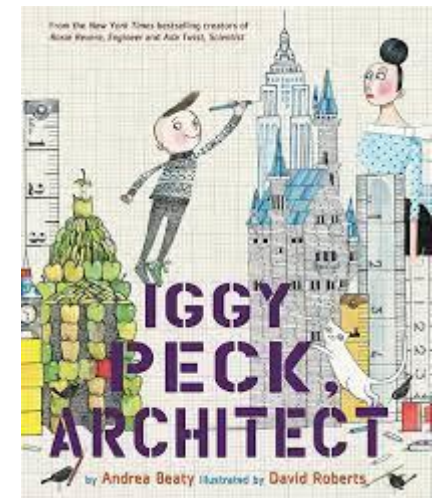
A walk In New York

Key Vocabulary:

- **New York:** New York is a city in the USA which is famous for its tall skyscrapers.
- **Empire State Building:** This is a famous 102 storey skyscraper in New York.
- **Manhattan:** New Yorkers call the three main areas of Manhattan uptown, midtown, and downtown.
- **Broadway:** This is an area in New York which is famous for its fantastic Musical Theatre shows.

Key Questions?

- Where is New York?
- What famous buildings will you find there?
- Do you think the character likes New York?
- Where is your favourite part in New York from the story?
- Why do you think the author and Illustrator decided to have a page that opens up for the Empire State building? What impact does this have?



Key Vocabulary:

- **Tower:** A tall, narrow building.
- **Sphinx:** A sphinx is a mythical creature with the head of a human, the body of a lion, and the wings of a falcon.
- **Chapel:** A small building or room used for Christian worship.
- **Modelling clay:** This is a type of material which is used to build and sculpt different objects and designs.

Key Questions

- Why does Iggy Peck love to build things?
- How did he improve as he got older?
- What did he use to build his designs?
- Why didn't the teacher like Iggy's design?
- What does this book tell you about being an architect?
- How was Iggy resilient?

Science

The children will carry out simple investigations to discover the strength of a material. They will investigate the strongest material and demonstrate its strength to make a bridge or tower.



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 in your child's reading diary.

As part of a wide range of reading, explore simple persuasive texts (posters, adverts, etc.) and begin to understand what they are doing and how.

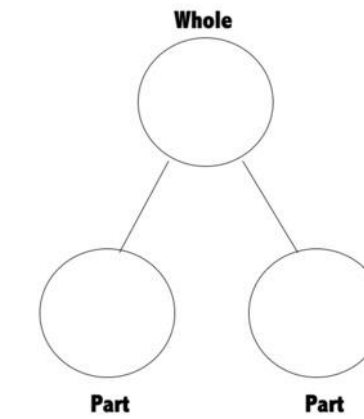
Evaluate simple persuasive devices (e.g.) Say which posters in a shop or TV adverts would make them want to buy something, and why)

Create simple signs posters and adverts (involving words and/or other modes of communication) to persuade others to do, think or buy something.

Continue to explore persuading and being persuaded in a variety of real life situations through role-play and drama.

Mathematics

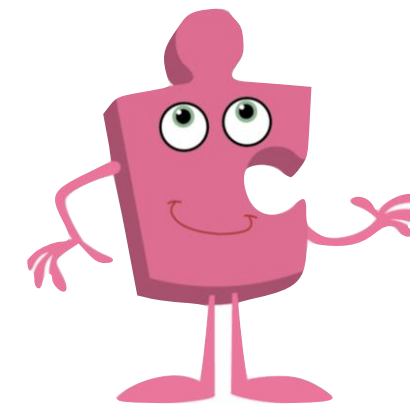
Children apply their understanding of known addition and subtraction facts within 20 to identify all related facts. This will include an understanding of the relationship between addition and subtraction, and knowing the purpose of the equals sign, as well as the addition and subtraction signs. Showing the link between representations, such as part-whole models and bar models can support and deepen the children's understanding.



RSHE

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

The children will continue with the theme of keeping safe online. They will learn what personal information is and why we should keep it personal.



AT HOME: You could discuss with your child why it is important to keep personal information safe.

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.



Art

The children will continue to work on their colouring mixing skills. They will learn about the artist Andy Goldsworthy, who made 2D and 3D sculptures.

RE

The children will explore the understanding of why Christmas and the nativity story is so important to Christians. They will think about and reflect on days that are important to them.

