



### **Summer term 2021 in Monkeypuzzle class.**

Dear parents,

I hope you had a good Easter. This term the topic for our class is “Buildings and Structures”. We will be learning about all sorts of things, such as famous designers/architects, famous buildings and how they are built, and how to design and make models of structures.

We will be focusing on various other subjects of course; please see the attached “overview” for more detail.

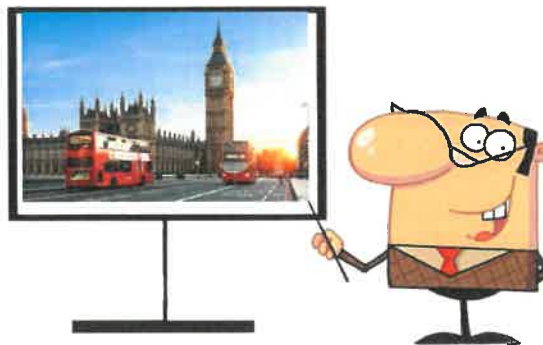
PE will still be Thursdays and Fridays, so pupils should come in wearing PE kit on those days.

Homework will be set on a Friday for return the following Friday. Spellings tests will be on Mondays, and we will start to do times tables tests soon, also on Mondays.

If you have any queries about anything, please don't hesitate to contact me. Thank you for your continued support.

Yours faithfully

Mr A Plumb



# Buildings and Structures Year A Year 3/4 – Summer term

## Learning Links

Take Home task – create a model house

KS1 – Transport



Cool books I could read



## What I should already know

There are different buildings made from different materials.  
Some materials are stronger than others.  
Name some famous structures.

End of topic assessment  
Wow / Now – school policy  
Self / Peer assessment

## Assessment

## Vocabulary

<b>Beam bridge</b>	A simple bridge that crosses without extra support
<b>Suspension bridge</b>	A bridge that is supported by towers and cables
<b>Arch bridge</b>	A bridge in the shape of a curve
<b>Cantilever bridge</b>	A bridge that is made by 2 strong ends joining together
<b>Truss bridge</b>	A bridge that uses triangle shapes to create its strength
<b>Bascule bridge</b>	A bridge with a moving part
<b>Force</b>	Pressure on something
<b>Deck</b>	The bit of a bridge that you walk/drive on
<b>Tower</b>	A bridge support that rises high above it
<b>Pier</b>	A bridge support that is below it
<b>Abutment</b>	The sides of the hill that the bridge's deck rests on
<b>Span</b>	The distance between a bridge's piers or towers
<b>Blueprint</b>	The design of a building (originally made on blue paper)
<b>Tower Bridge</b>	A bascule bridge in London
<b>Golden Gate Bridge</b>	A suspension bridge in San Francisco, USA
<b>Foundations</b>	The strong part that a building rests on

## Skills

- Use primary and secondary sources to find out about the past
- Evaluate and analyse creative works using the language of art, craft and design
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
- Test different materials and shapes
- Improve mastery of techniques – drawing
- Improve mastery of techniques – modelling
- Research and develop designs
- Use a range of equipment and tools to create designs
- Critique, evaluate their own ideas and others
- Comparing and contrasting different features about the past
- Select, use and combine a variety of software on a range of digital devices to design and create a range of programs
- Use the internet safely

## Knowledge

- Bridges and structures can be made from different materials
- Changing the shape of materials can make them stronger/weaker
- Bridges have different forces on them
- Bridges are made up of different parts
- Buildings are made up of different parts
- Tower Bridge is a type of bascule bridge with moving parts
- Lots of different people are needed to build a bridge/structure
- Each building is designed first
- Buildings need to be designed with safety in mind
- Much of London burnt down in 1666 (the “Great Fire of London”)