




Year 6 Knowledge Map – Pentecost 2

Maths

Measurement conversions

1cm	10mm
1 metre	100cm
1 kilometre	1,000 m
1 mile	1.6km
1 kilometre	$\frac{5}{8}$ mile
1 kilogram	1,000 grams
1 litre	1,000 millilitres

3D shapes

			
	square-based pyramid	triangular-based pyramid	triangular prism
faces (the flat sides)	5	4	5
edges	8	6	9
vertices (the points where the edges meet)	5	4	6

Volume = the amount of space a 3D shape takes up, usually measured in cm^3 or m^3



Volume of a cuboid =
length x width x height

Co-ordinates

Read co-ordinates along the x axis (horizontal) first, then the y axis (vertical). E.g. (3,-4) = go right 3, down 4.

The mean

The mean is a type of average. To find the mean, add up all the numbers and divide by how many there are. E.g. the mean of 4, 5, 3, 4 is 4. (Because $4 + 5 + 3 + 4 = 16$, and $16 \div 4 = 4$)

PSHE - Keeping Safe

After learning about Online Safety, Keeping Safe considers safety in the real world beginning with the four types of abuse: sexual, physical, emotional and neglect. Children will learn how to spot each type of abuse and who they can go to for help. Children will also learn more about practices against British law and how forced marriage is not compatible with God's plan for marriage. The final three sessions in this module explore how drugs, alcohol and tobacco can negatively affect people's lifestyles and the body's natural functioning, discuss how to make good choices even in pressured situations, and teach essential First Aid such as DR ABC and the recovery position.

RE

Common Good

We have respect for the human person; we are all made in the image of God.

The work which Christians do is for the common good of all.

We understand that equality of all and respect for difference is vital for a peaceful society.

'This is what the Lord asks of you – that you act justly love tenderly and walk humbly with your God'

Micah 6:8

English

Using colons : and semi-colons ;

Colons :

They can be used to introduce information.

We have three flavours of ice-cream: vanilla, chocolate or strawberry.

A colon can also separate a sentence into two independent clauses when the two clauses are directly related and you mean to emphasise the second clause.

The roads are icy: it's dangerous to drive today.

Semi-colons ;

Just like colons, semi-colons can be used to separate two independent clauses that are related.

The roads are icy; it's dangerous to drive today.

Semi-colons can also be used to separate items in a list, if each item is longer than one word.

We've visited New York, USA; Perth, Australia; London, England and Madrid, Spain.

Focus Spellings

according	conscience	conscious
equipment	exaggerate	individual
occur	persuade	privilege
recognise	lightning	suggest
symbol	curiosity	immediately

PE

On Wednesdays bring your PE kit into school - white t-shirt, green shorts or black jogging bottoms and trainers.



Hold my hand, God,
lead the way,
Help me be good every day.
Let me know what's wrong and right,
Keep me safe day and night,
Let me know what you have planned,
Lead the way God,
hold my hand.
Amen

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Geography

Mexico

Mexico is a country in North America.

It has a coast on two sides; the Pacific Ocean on the west, and the Gulf of Mexico and Caribbean Sea in the east.

Much of Mexico is covered by mountains, and the highest peaks are over 5,000 metres.

The north of the country is dominated by deserts, and these regions receive so little rain that only a few specially adapted plants and animals can survive.

In the centre lies its sprawling capital Mexico City.

The south of Mexico is close to the equator so it has a tropical climate, and covered by vast rainforests with a huge diversity of plants and animals.

Key Vocabulary

Indigenous	Indigenous people means the first people who lived in any region, and not later immigrants.
Longitude and Latitude	Latitude and longitude are a system of lines used to describe the location of any place on Earth. Lines of latitude run in an east-west direction across Earth. Lines of longitude run in a north-south direction.



DT

Mexican Cuisine

Mexican cuisine is extremely varied. Authentic dishes are often colourful, full of flavours and spice! Almost every meal in Mexico is served with tortillas – thin, round flatbreads made from maize or flour. You will find tortillas in lots of dishes. Tortillas are stuffed with meat, covered with cheese and baked to make enchiladas. Tacos are fried tortillas and quesadillas are grilled tortillas.



Science

Electricity

We use scientific symbols to represent components (parts) of a circuit.

The brightness of a bulb or the loudness of a buzzer is affected by the number of cells in a circuit.

The brightness of a bulb or the loudness of a buzzer is affected by the voltage of cells in a circuit.

The number of components in a circuit can affect how they function.

The arrangement of components in a circuit can affect how they function.

The length of wires in a circuit can affect how the components function.

Electricity travels at the speed of light. That's more than 186,000 miles per second!

Electricity comes from the power station, the wind, the sun, water and even an animal's poo!



Key Vocabulary

Circuit	A closed loop for electricity to travel around
Component	A part used in an electrical circuit.
Electricity	A form of energy caused by electrons moving.
Cell (battery)	A stored source of electricity.
Conductor	An object that allows electricity to flow through it easily.
Insulator	An object that does not allow electricity to flow through it easily.