



Year 4 Geography - Summer Term 1: Misty Mountains



1. What is a mountain?

A mountain is a natural elevation of the Earth's surface. The highest point of a mountain is called the summit or peak. The bottom of the mountain where it meets flat or gently sloping land is called the base. Other features of mountains include the snow line, tree line and ridges.



Himalayas mountain range

4. Can you name and locate key mountains around the world?

Significant mountain ranges include the Himalayas, Andes, Alps, Pyrenees and Apennines.

2. Name five types of mountains and explain how each is formed.

There are five types of mountain: fold, fault-block, volcanic, dome and plateau. Each is formed in a different way.



How are mountains formed and how do people use them?



3. Name one UK and give three facts about it.

There are four mountain ranges in the UK that are home to each country's highest mountain: Ben Nevis, in the Grampian Mountains, Scotland; Scafell Pike, in the Cumbrian Mountains, England; Snowdon, in the Snowdonia Mountains, Wales; and Slieve Donard, in the Mourne Mountains, Northern Ireland.

5. What do you need to consider to go mountaineering?

Mountaineering is a sport where people climb mountains. To go mountaineering you will need to pack appropriate clothing based on the weather forecast and likely conditions on your route. Without warning, there can be hazards caused by extreme weather, such as high winds, rain and snow. Depending on where you climb, there could be the risk of an avalanche, mudslides or falling rocks.

Mountain	Base	Tree Line	Ben Nevis	Himalayas	Mountaineering
Peak	Snow Line	Ridges	Snowdon	Alps	Mountain Range



Year 4 History - Summer Term 2: Railways

1. Can I explain how and when the first trains and railways developed?

The development of railways progressed from early horse-drawn wagonways with wooden rails to the transformative introduction of steam-powered locomotives in the early 19th century.

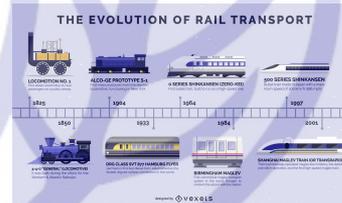
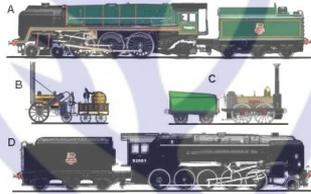
4. What was the impact of the railways on society?

Railways made it much easier and faster for people to travel to different towns and cities for work or holidays, and also helped deliver fresh food and newspapers all across the country. This meant people could see more places, try new foods, and learn about things happening far away.

2. How did steam locomotives change over time?

Steam locomotives evolved from basic, inefficient machines to powerful, complex engines through innovations in boiler design, cylinder technology, and materials, enabling them to haul heavier loads at greater speeds.

How Did Steam Power Get Britain on Track?



3. How and why did the railway network in Britain grow and change over time?

Britain's railway network grew because people needed a faster way to move heavy goods like coal, and to travel across the country. It changed over time with new inventions like steam engines and different types of trains, making journeys quicker and connecting more towns and cities.

5. How and why did locomotive technology change over time?

Locomotive technology changed over time because people always wanted trains to be faster, stronger, and more efficient.

Carriage	Station	Passenger	Journey	Transport	Railway
Locomotive	Steam Engine	Engine	Network	Society	Invention



Year 4 Science – Summer Term 1: Electrical Circuits & Conductors



1. What is electricity?

Electricity is the flow of tiny particles called electrons and protons. It can come from the mains or from a battery, in nature it can come from lightning.



mains electricity



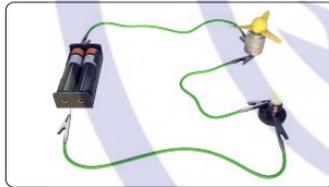
cell



battery

3. What is a series circuit?

A series circuit has a single path for an electric current to flow through.



complete series circuit



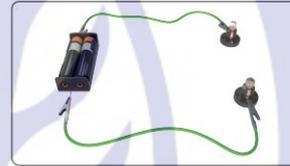
How do you build a working circuit?

2. What is an electrical component?

Electrical components include cells, wires, lamps, motors, switches and buzzers.

4. How does a series circuit work?

A series circuit must be a complete loop to work and have a source of power from a battery or cell.



incomplete series circuit

5. What is the difference between an electrical conductor and insulator?

Electrical conductors allow electricity to flow through them, whereas insulators do not.

6. How could you safely test whether tinfoil is an electrical conductor?

Scientific enquiries can be set up and carried out by following or planning a method.

Battery	Bulb	Cell	Component	Conductor	Current
Electricity	Insulator	Motor	Series Circuit	Switch	Wire



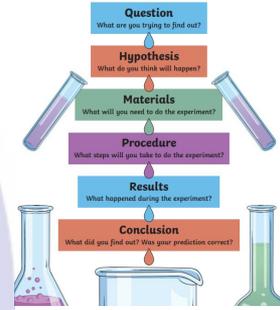
Year 4 Science – Summer Term 2: Scientific Inquiry

1. What are the key components of a scientific inquiry?

When you plan a scientific inquiry you must follow these steps:

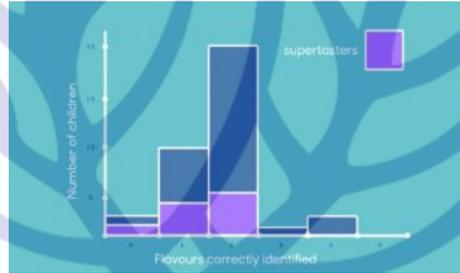
- 1) Ask a question
- 2) Plan a fair test
- 3) Make a prediction
- 4) Collect and present the data

How do you plan a scientific inquiry?



2. Why should you only change one variable in a fair test?

A variable is the thing that you change in an inquiry. A fair test must ensure that only one variable has been changed. This means that you can be sure that your results were caused by your variable.



3. Why is it important to be accurate when collecting data?

It is important to be accurate when you collect data. Mistakes could make your results inaccurate.

You should think carefully about the best way to present your data (e.g in a graph, table or picture).

variable	prediction	fair test	method	relevant	observe
question	valid	data	diagram	results	hypothesis

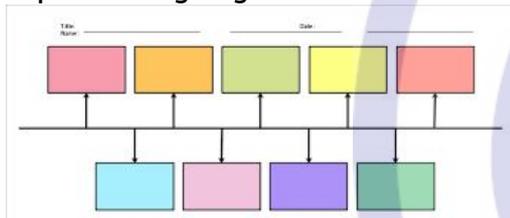


Year 4 Religious Education - Summer Term 1: Judaism



1. What is a timeline?

A timeline sets out important milestones. Age and laws can influence when we can be responsible eg to get married or



4. How do Jews commitment to God?

Jews show commitment to God in different ways such as sitting separately . Men wear a kippah and married women wear a headscarf.



2. What is a Bar/Bat Mitzvah?

Bar/Bat Mitzvah is a ceremony for Jewish boys and girls when they reach the age of 12 or 13 and become a Jewish adult responsible for their actions.

What is the best way for a Jew to show commitment to God?



3. How do Jews live a good life?

Jews have 613 rules suggesting how they can live a good life helping others

5. Why is making a commitment important in our lives?

Making a commitment is important in our lives. This can include being responsible for actions and behaviours.

Milestone	Responsibility	Commitment	Bar/Bat Mitzvah	Kippah	Mitzvot
Religion	Ceremony	God	Law	Judaism	Jew



Year 4 Religious Education - Summer Term 2: Christianity



1. What places are special to me and how do they make me feel?

A place we believe to be special can make us feel lots of positive emotions.



2. Why are churches important to Christians?

A church is central to the Christian faith. It is where the community comes together to worship God. It also has other uses such as weddings and funerals.

Do Christians need to go to church to show that they are Christians?



3. How do Christians celebrate Holy Communion?

In Holy Communion Christians remember Jesus by breaking bread and drinking wine. This often happens in church but can also happen anytime. Christians gather to thank Jesus for giving his life for them.

4. How do different types of Christians worship?

Christians worship in church but their styles of worship differ. For example a modern Evangelical Christian church is joyous and lively.

5. Do people need to go to church to show they are Christians?

Christians choose to go to church to feel closer to God and worship him. Some Christians choose not to go to church because they worship on their own or because they have Christian friends that are their church.

6. Why is a place special to me?

Different places are special to different people for different reasons.

Church	Holy Communion	Jesus	Worship	Modern Evangelical	Quakers
God	Faith	Christians	Bread	Wine	Community



Year 4 Art & Design - Summer Term 1: Vista

1. What is a landscape?

A landscape is a piece of art that shows scenery, such as mountains, valleys, trees, rivers, forests or buildings.



2. Can you name three landscape artists and explain how their artistic techniques differ?

Landscape artists use different techniques to create their work. Some will paint a realistic representation of what they see and some will use colour or texture to create a particular mood or atmosphere. Significant landscape artists include Paul Gauguin, Paul Cézanne, Vincent van Gogh and Claude Monet.

What do you need to consider to design, sketch and paint a landscape?

3. What atmospheric perspective?

Atmospheric perspective in art creates the illusion of space. It emphasises the distance between objects. As objects recede into the distance, they become less detailed, lighter in tone, and more blurry.



4. Which colours are warm colours and which colours are cold?

Warm colours include orange, yellow and red. They remind the viewer of heat, fire and sunlight. Cool colours include blue, green and magenta. They remind the viewer of water, ice, snow and the sky.



5. What is the composition of your landscape?

Composition is a term used to describe the arrangement of the visual elements in a painting. It is important to consider composition when sketching and painting a landscape.

6. What is an evaluation?

Constructive feedback highlights strengths and weaknesses and provides information and instructions aimed at improving one or two aspects of the artwork, which will improve the overall piece.

Landscape	Texture	Warm Colours	Composition	Sketch	Mood
Colour	Atmospheric Perspective	Cold Colours	Detail	Paint	Atmosphere



Year 4 Art & Design – Summer Term 2: Lowry Figurines



1. What is a figure drawing?

A figure drawing is a drawing of the human form in any posture using any drawing media.



2. Who was LS Lowry and what was his artistic style?

LS Lowry was a controversial artist who painted urban landscapes and the people who lived and worked there. Critics called his figures 'matchstick men' due to



4. What techniques are used to make a 3D form from clay?

Techniques used to create a 3D form from clay include coiling, pinching, slab construction and sculpting.

How do you create a Lowry inspired clay figurine?

3. What is a statue, statuette and figurine?

A statue is a carved or cast figure of a person or animal, especially one life-size or larger. A statuette or figurine is a smaller sized statue, especially one that is smaller than life-size.

5. What features should Lowry inspired clay figurines have?

A Lowry inspired figurine should have an elongated form and be painted using dark colours.



6. What is the importance of constructive feedback?

Constructive feedback highlights strengths and weaknesses aimed at improving one or two aspects of the artwork, which will improve the overall piece.

Statue	Feedback	Clay Sculpture	Wire Armature	Figure Drawing	Observation
Statuette	Figurine	Pose	Slip	Paint	LS Lowry



Year 4 Music – Summer Term 1: Blackbird



THE BEATLES

The Beatles helped to reshape Western Pop music in the 1960s and are one of the most successful bands ever. The Beatles had four members: John Lennon, Paul McCartney, George Harrison and Ringo Starr. In the 1950s and 1960s, slavery had been abolished in America, but racism was still rife and life wasn't equal for African Americans. The civil rights movement challenged this.

1. Listen and Appraise

Themes: Equality, civil rights.

Instruments/Voices: Solo male vocals in the verses, another male vocal in the choruses, acoustic guitar, percussion, birdsong.

Do the words of the song tell a story? Does the music create a story in your imagination? What story?

Themes: equality, civil rights

What does the song 'Blackbird' represent?

3. Perform and Share

Decide how you going to perform this song. It tells an important story. Tell your audience how you learnt this song and why. Record the performance and talk about it afterwards.

2. Musical Activities

Singing: in unison.

Play instrumental parts : with the song by ear and/or from notation using the easy or medium part. You will be using up to 3 notes – C, D + E. *Which part did you play?*

Improvise : using up to 3 notes – C, D + E. Bronze: C | Silver: C, and sometimes D | Gold: C, D + E challenge. *Which challenge did you get to?*

Compose: a simple melody using simple rhythms choosing from the notes C, D + E or C, D, E, G + A (the pentatonic scale).

acoustic guitar

birdsong

civil rights

compose

dynamics

equality

improvise

melody

pentatonic scale

pitch

pulse

unison



Year 4 Computing - Summer Term 1: Repetition In Shapes

Code

```
FD 100
LT 90
FD 200
LT 90
FD 100
```

1. How are computers programmed?

A computer can be programmed by typing commands.

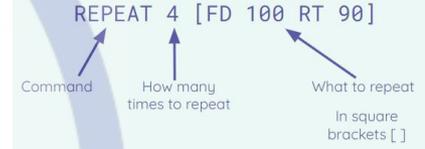


2. What is an algorithm?

An **algorithm** is an ordered set of precise instructions.

3. How do you use the repeat command?

Using the repeat command in a **count-controlled** loop creates **repetition**.



```
repeat 4 [fd 100 lt 90]
```

4. What is a loop?

When we use repetition in programming, it is called **looping**. We can program a loop to stop after a specific number of times.

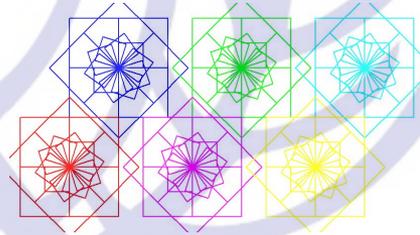
To write a procedure for a triangle:

```
TO triangle
repeat 3 [fd 100 rt 120]
END
```

How can repetition be used to create shapes in Turtle Academy?

5. How do you create a procedure?

Decomposing a task into small **steps** makes it easier to create a procedure



6. What are some debugging strategies?

Tracing through the code line by line to check it
Reading the code out loud - make sense?
Decomposing the program into smaller parts to find errors
Looking at other **patterns** with a similar code and checking your changes

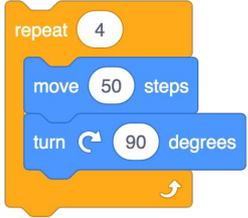
algorithm	code	commands	count-controlled	debugging	decomposing
looping	patterns	procedure	programming	repetition	tracing



Year 4 Computing - Summer Term 2: Repetition In Games

1. Why use count-controlled loops?

Count-controlled loops can be used to create repetition with an end



2. What is an infinite loop?

In an infinite loop, commands are repeated over and over again.



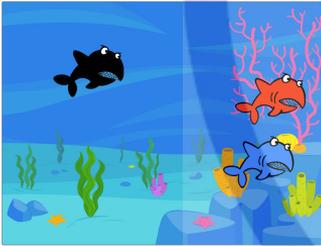
3. How can you make two loops run at the same time?

Two or more loops can run at the same time.

How can repetition be used to create games in Scratch?

4. How do I modify an infinite loop?

Backgrounds, sprites and other game features can improve the appearance of our creations.



5. Can I design a game that includes repetition?

Planning and evaluating can help us to improve our projects.

Game design example:

Sprite name	Sprite 1: Bat 1
How will the sprite move?	Randomly
Will there be any sounds?	Clat sound when clicked
Type of repetition used (✓)	<input checked="" type="checkbox"/> Infinite (forever) <input type="checkbox"/> Count controlled
Write the algorithm for the sprite	Randomly <ul style="list-style-type: none"> Make it invisible Move somewhere random on the screen and wait for 1 second Make it visible and wait for 1 second
Which backdrops will you use?	Spooky forest
How will the game end?	When all the bats have been caught



6. Can I design a game that includes repetition?

If your algorithm does not work in the way you planned, it is important to debug it.

appearance	algorithms	backgrounds	commands	count-controlled	creations
debug	evaluating	infinite	loops	planning	repetition



Year 4 Physical Education – Summer Term: Athletics



1. Changes during exercise

- Hotter
- Heart beating faster
- Deeper breaths



2. Throwing for distance

- Hands/feet in opposition
- Transfer of weight
- Point of release



3. Throwing for accuracy

- Hands/feet in opposition
- Appropriate weight
- Pull back and follow through in direction of throw

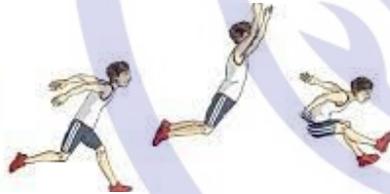
What skills, rules and techniques are used in athletics?

4. Take-off

- Bend knees
- Use arms for power
- Head up

Landing

- Land on two feet
- Use arms for balance
- Bend knees



5. Approach phase

- Take-off on dominant foot
- Controlled pace
- Pump arms



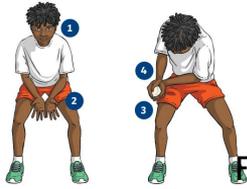
6. Team work

- Communicate
- Positive
- Areas of improvement

accuracy	approach	balance	communicate	distance	dominant
follow through	heartbeat	landing	opposition	phase	take-off



Year 4 Physical Education - Summer Term: Cricket

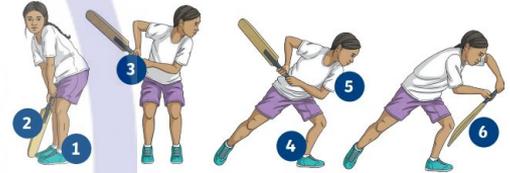


1. Catching
 Watching the ball
 Hands together
 Fingers pointing to the floor

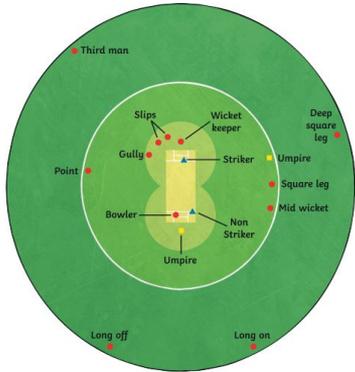


2. Throwing
 Side on stance
 Point at target
 Release from high
 Follow through in direction of target

3. Striking
 Head still, watching the ball
 Contact ball with middle of bat
 Appropriate foot movement



What skills, rules and tactics are used in cricket?



4. Attacking
 Identify gaps to hit into
 Angle bat/body to hit ball into gap
 Follow through in direction of the gap

5. Defending
 Place fielders evenly/equally to minimise gaps
 Identify batters' strengths and place fielders accordingly



6. Group work
 Communicate
 Positive
 Areas of improvement

attacking	bat/batter	catching	defending	direction	fielders
gaps	improvement	movement	stance	striking	target



Year 4 Physical Education – Summer Term: Rounders



1. Catching
 Watching the ball
 Two hands together
 Cushion ball (soft hands)



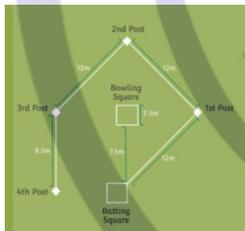
Throwing under-arm
 Arms, legs in opposition
 Swing back and follow through in direction
 Appropriate weight



2. Throwing over-arm
 Side on stance (in opposition)
 Swing back, release from high, follow through
 'Rabbit ears' grip

What skills, rules and tactics are used in rounders?

3. Fielding team
 Communicate
 Spread fielders around area (width and depth of area)
 Change positions depending on the batter's strengths and weaknesses



4. Striking
 Watch the ball
 Side on (non-striking foot at front)
 Swing back, contact, follow through



5. Striking into space
 Look around to see where the space is
 Turn body (hips and shoulders) to point in direction of space
 Follow through in direction of strike

6. Group work
 Communicate
 Positive
 Areas of improvement

bat/batter	catching	contact	cushion	depth	direction
fielders	follow through	grip	opposition	space	strike



Year 4 Physical Education - Summer Term: Tennis

1. Forehand

Dominant side

Non-dominant hand tracks ball

Contact with middle of racket



1 & 2. Direction

Stance sideways, directed towards target

Swing and follow through in direction of target

Contact ball at waist height



2. Backhand

Dominant hand at bottom

Use two hands

Contact on non-dominant side of body

3. Ready position

Both hands on racket

Track ball with eyes

Get in position for either forehand or backhand



What skills, rules and tactics are used in tennis?

4. Under-arm serve

No bounce (before hitting)

Ball is hit cross court

Land inside 'service box' or area



6. Partner work

Communicate

Awareness (respond and react)

Plan and apply tactics

5 & 6. Tactics

Move opponent (side to side, forwards and backwards)

Get the ball over (the net) and in (the court)

Return to centre of the court

backhand	contact	cross court	direction	dominant	forehand
hitting	non-dominant	opponent	position	racket	stance



Year 4 French – Summer Term: My Home



phonics

e

sound in:

- appartement



eau

sound in:

- bureau



&

silent letters

There are many last consonant silent letters in French. The final letter 's' is silent in the word 'dans' and 'mais'. The 't' is also silent in the conjunction 'et'. Pronounced almost like the English sound 'leh'.

elision

Elision is a type of contraction. The last letter of a word is dropped and replaced with an apostrophe. It is attached to the word that follows beginning with a vowel, so *je* becomes *j'* as in *j'habite* as the 'h muet' in *habite* acts like a vowel.

vocabulary

The nouns and determiners for house & apartment.



The nouns and determiners for rooms of the house.



Key linguistic structures:

Chez moi, il y a...

In my house there is...

Chez moi, il n'y a pas de...

In my house there is not...

grammar

To fully understand the role of gender in the choice of determiners:

un salon



Singular determiner 'a' for masculine nouns

une cuisine



Singular determiner 'a' for feminine nouns

To understand better how to use the negative in French:

Chez moi, il y a un salon.



Chez moi, il n'y a pas de salon.



1st person conjugation of high frequency verbs.

j'habite

I live



une maison



un appartement



un salon



un bureau



un sous-sol



un garage



un jardin



une chambre



une cuisine



une salle de bains



Year 4 Curriculum For Life – Summer Term 1: Relationships

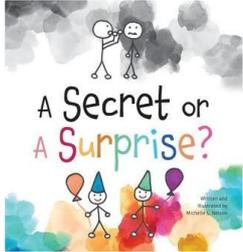
1. Fictional characters can reinforce **gender** stereotypes.



2. **Stereotypes** can have a negative impact on people.



3. There are different ways to ask for, give or not give **permission**.



6. It is important to recognise the difference between a **secret** and a **surprise**.



gender	Characteristics of males and females that are socially constructed.
permission	The act of allowing someone to do something.
respect	Treating someone in a way you wish to be treated.
secret	Something kept hidden or unexplained.
sharing	To let someone see or have access something.
stereotype	An assumption about what someone will do / act based on a particular group or aspect.
surprise	Something unexpected that happens.

Getting Help – If you are worried about anything, talk to a trusted adult.
Childline www.childline.org 0800 1111 Calls DO NOT show on the phone bill



Year 4 Curriculum For Life – Summer Term 2: Economic Wellbeing



1. Some jobs get paid more than others.



2. It is important to **prioritise** between needs and wants.

3. Keeping simple records can help track **spending** and **saving**.





I have _____ in my purse

I would like to buy:

_____ £

_____ £

_____ £

_____ £

The total cost will be: £

I have _____ left over OR

I need _____ more to buy what I want.

I could afford to buy:

_____ £

_____ £

I would have _____ left over.

4. Managing money can be complex and so using a **bank account** is one way of making it easier.



LLOYDS BANK



NatWest



TSB



TSB



BARCLAYS



HSBC

bank account	The record a bank keeps of your money.
needs	Items which are essential to health and well-being (e.g. family, food, clothing, shelter).
persuade	To convince someone to do something.
prioritise	To rank in order of importance.
saving	Putting money away to spend at a later date.
spending	To pay out money.
trustworthy	Honest, reliable - the ability to keep promises.
wants	Non-essential items which enable us to enjoy quality of life (e.g. the latest computer game, going out for a meal).