

Science Year 5 Spring 1 and 2

Could you be the next chemistry inventor?

What will I know by the end of the unit?

Some materials can be changed by squashing, bending, twisting and stretching.

Materials can be natural or man-made.

What will I know by the end of the unit?

Materials that will dissolve are known as soluble. Materials that won't dissolve are insoluble.

Irreversible changes, like burning, cannot be undone.

Dissolving occurs when the particles of certain solids mix with the particles of certain liquids.

Mixtures can be separated out by methods like filtering and evaporating.

Heat can travel easily through thermal conductors. Metals are good thermal conductors, as they allow heat to move through them.

Not all solids will dissolve, and not all liquids will allow solids to dissolve.

Thermal insulators do not let heat travel through them easily. Some fabrics, wood and plastics are good thermal insulators.

Melting, freezing, evaporating, condensing and dissolving are examples of reversible physical changes.

Heat always travels from a warmer area to a cooler one.

Spencer Silver's accidental discovery resulted in the invention of the Post-It Note.

Key Vocabulary

Definition

property

the quality or characteristic of a material. For example, strong or flexible

dissolve

when a soluble solid mixes with liquid so completely that it will disappear

soluble

able to be dissolved, especially in water

insoluble

does not dissolve in water

sieving

used to separate insoluble solids

filtering

used to separate an insoluble solid from a solution

evaporating

turn from liquid into vapour

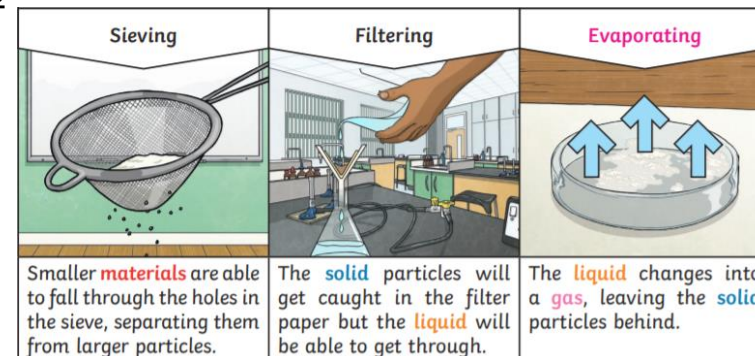
reversible

a change that can be reversed – you can get back what you started with

irreversible

a change is permanent – new substances are made and you can't get the original ones back

Key diagrams

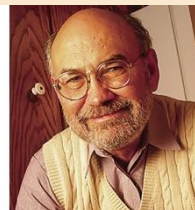


Key Texts

Snackable Science
Experiments: 60 Edible
Tests to Try and Taste –
Vanstone



Key people Spencer Silver



What do I need to know from previous topics?

In the Easter story, Judas betrayed Jesus by leading the priests to Jesus so they could arrest him. Judas regretted what he had done.

What will I need to remember for future learning?

Christians believe that Christ's death and resurrection is a story of victory.

C.S. Lewis's book 'The Lion, the Witch and the Wardrobe' is an allegory of the story of Jesus death and resurrection.

Many poems and songs have been written to celebrate Jesus victory over death and many pieces of artwork have been created including John Reilly's 'The Crucifixion' and 'The Resurrection'.

Key Vocabulary

Definition

victory

Success in a fight against an enemy or something difficult

triumph

a great victory or achievement

resurrection

the rising of Christ from the dead

sacrifice

Christ's offering of himself in the Crucifixion

betrayal

expose to danger by treacherously giving information to an enemy

Redeemer

A title used to refer to Jesus Christ who paid the price for our sins

Key images

The Crucifixion by John Reilly

The Resurrection by John Reilly



Key Texts

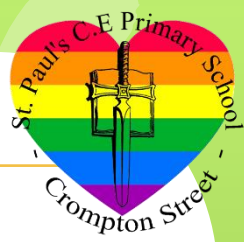
Matthew 28

Mark 16

Luke 24

John 20





What will I know by the end of the unit?	
The purpose of the news is to report the facts of what's going on in the world.	Groups of people work together in order to make a bigger difference or change something in the wider community.
We all have rights, responsibilities and duties in our home, school and local area.	There are lots of things that influence us when we make decisions about buying items .
if responsibilities/duties are not carried out, this can have an impact on individuals and the wider community.	



Key Vocabulary	Definition
Biased	A report which expressed a certain opinion or point of view and ignored or criticised the opposing view.
Unbiased	A report which would give opposing points of view equal 'weight' without expressing a clear opinion way or another.
Duties	What we should or must do in order to look after something.
Rights	Something people should be allowed to have or are entitled to.
Respect	Understanding and taking notice of the rights, needs and wishes of other people or things.

British Values – Rule of Law

- Following the rules set by law
- Understanding what is right and wrong
- Consequences for when rules are broken



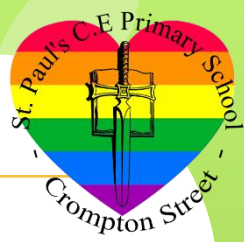
Mini Minds

February  Dreamasaurus	March  Happyasaurus
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Key Dates

- 1st March -Zero Discrimination Day
- 18th March-Global Recycling Day



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C.S. Lewis's book 'The Lion, the Witch and the Wardrobe' is an allegory of the story of Jesus death and resurrection.

Parables 'The Feast' (Luke 14:12-24) and 'The Tenants in the Vineyard' (Matthew 21: 33-36) demonstrate that Jesus possess qualities that can be compared to a King/Queen, to help those that are in need and to create a better world .

Key images



Key Vocabulary

Definition

parables

a simple story used to illustrate a moral or spiritual lesson, as told by Jesus in the Gospels

Qualities

a characteristic or feature of someone or something

God's Kingdom

the spiritual realm over which God reigns as king, or the fulfilment on Earth of God's will

resurrection

the rising of Christ from the dead

sacrifice

Christ's offering of himself in the Crucifixion

betrayal

expose to danger by treacherously giving information to an enemy

Key Texts

Matthew 21

Mark 16

Luke 14

John 20



Geography Year 5- Spring 2

What is it like in Yorkshire?



What do I need to know from previous topics?

We live in the county of Greater Manchester.	Land in can be used for a variety of purposes such as retail, leisure, housing, agricultural, business and industrial.
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What will I need to remember for future learning?

The population of the UK has increased over time. This can be for different reasons such as healthcare and immigration.	Robinwood is in Todmorden which is in the county of West Yorkshire.
The population of the UK is around 67 million.	Populations change over time and the population of Earth is growing rapidly.
People may move to the UK to be closer to family; to start a new job or for a better life.	Much of the north and west of the U.K. is covered in high ground, knife-edged mountain ridges separated by deep valleys.
In northwest England and the Scottish Highlands are dozens of lakes, called lochs. These were left behind when the Ice Age glaciers melted.	In the North West of England, the summers are comfortable and partly cloudy and the winters are long, very cold, windy, and mostly cloudy.

Key Vocabulary Definition

county	an area of the UK containing lots of towns and villages. They are the top level of local government
population	the number of people living in a certain place. A village, city, state, country and continent all have a population
immigration	the process of moving to a new country, with plans to live there permanently
rural	areas in the country which are less densely populated
landscape	all the visible features of an area of land.
urban	areas where many people live and work. The ground is mostly taken up by roads, buildings, and maybe small grassy areas.



Key Texts

Yorkshire Folk Tales for Children – Page

Important landmarks

Harewood House Trust
Media City UK



Art Year 5 Spring: David Hockney- Yorkshire Landscapes (Drawing and Printmaking)

What do I need to know from previous topics?

We can draw with lots of different materials to make different lines. Some materials make thicker lines than others.

Observational drawing can include drawing something directly in front of you, around you or copying from an existing image.

Printing makes a copy of something. There are lots of different ways to print.

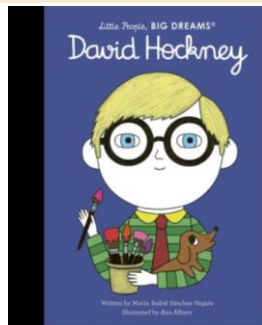
Many artists are inspired by nature and we can see this influence in their artwork.

David Hockney was part of the Pop Art movement, taking inspiration from popular culture to influence his work. Andy Warhol also produced Pop Art, often using the printing process to produce his work.

What will I need to remember for future learning?

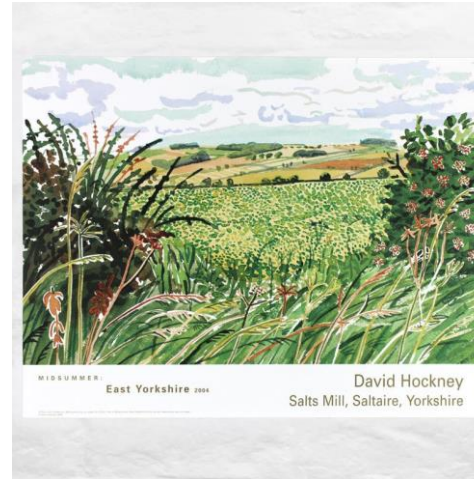
A monoprint is unique as each image can only be produced once. However, different colours can be layered to add depth to the print.

Key texts



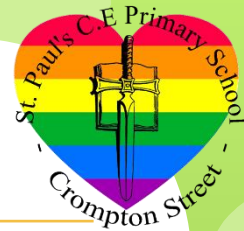
Key artists and artwork

David Hockney-
Midsummer: East Yorkshire collection



Key Vocabulary	Definition
line drawing	a drawing done using only narrow lines, without blocks of shading
overlay	to lay or place one thing over or upon another
layer	letting one application of ink dry before adding another
monoprint	the process of making a print using mark making.





Design brief: To research, design and prepare a salad for a member of staff, based on their individual requirements.

What will I know by the end of the unit?	
A third of the food we eat should come from the Fruit and vegetable group and a third should come from the Potatoes, bread, rice, pasta and other starchy carbohydrates group.	How to design and make a salad based on the requirements of an individual.
Ingredients can be grown, reared, caught and processed	Mayonnaise and salad dressings are usually high in fat, salt and sugars so should be eaten less often and in smaller amounts.
Fruit and vegetables can be prepared by peeling, chopping, slicing and grating.	Some of the food we eat is seasonal in the UK. This means it only grows at certain times of the year. In the UK, some food is also grown in glasshouses. This means that the food is available at different times to that grown outside.

Key Texts
<https://www.bettycrocker.com/SaladRecipesforChildren>

Techniques and diagrams:



Key Vocabulary	Definition
reared	where animals are brought up for the purpose of providing food
processed	any food that has been altered in some way during preparation.
carbohydrates	essential food nutrients to give our bodies energy
fibre	keeps our digestive system healthy and fibre can help us feel fuller for longer too. It can also help reduce the risk of heart disease, diabetes and some cancers.
bridge hold	a method used to cut food safely when using sharp knives. It is especially useful for cutting circular items into halves and quarters, e.g. tomatoes, apples.
claw grip	the best method to use when food needs to be cut into slices or diced.