## Knowledge Organisers for Year 8

## What is a Knowledge Organiser?

A Knowledge Organiser is a place to keep some key information for the topics we are learning about. This may include an important formula, vocabulary, dates or explanations. It is not a complete list of everything we are studying but it is a place where we can find the basic information. It is likely that when you first see the Knowledge Organiser you won't understand most of what it on it. Gradually, as you work on the content in lessons it will become more familiar and, over time, you should find that, not only do you understand everything on it, but that you can remember everything that is on it and, even better, know how this information relates to what you are studying.

## 

## How do we use our Knowledge Organisers?

We can use our Knowledge Organisers in many ways. The main aim is that we are able to memorise, understand and eventually apply all of the information in the Knowledge Organisers. We will do this by:

- using them to refer to in class to support our learning.
- discussing them at home with parents or carers to reinforce our learning and so that others may be involved in what we are learning too.
- using them as learning homeworks that we will have quizzes on in class.
- using them to refer to when completing homework.


## Where will I find the Knowledge Organisers?

Knowledge Organisers will be made available to you via the school website https://stjosephsbolton.org.uk (Follow the link under school information to Learning \& Teaching - Progression Scales) and your teachers will often send you links to them with your homework on epraise or in your class TEAMS. (You will find out more about these teams over your first year at St Joseph's).

Year 8 Knowledge Organiser
'Landscapes' - Project 1

| The Formal <br> Element | Definition |
| :--- | :--- |
| Line | The path left by a moving point, e.g. a pencil or a brush dipped in paint, that can take many <br> forms. e.g. horizontal, diagonal or curved. <br> The lightness or darkness of something. This could be shade or how dark or light a colour <br> appears |
| Tone | The surface quality of something, the way something feels or looks like it feels. There are two <br> types: Actual and Visual. |
| Texture | An area enclosed by a line. It could be just an outline, or it could be shaded in. <br> ShapeA design that is created by repeated lines/ shapes/ tones or colours. It can be manmade, like a <br> design on a fabric or natural, such as markings on animal fur. |
| Pattern | There are 2 types including Primary and Secondary. By mixing any two primary together we get a <br> secondary. |
| Colour | The |



Vincent Van Gogh

## Andre Derain

Paul Cezanne
Alice Sheridan

## THE COLOUR WHEEL



V
PRIMARY
COLOURS

## Colour Theory

Primary Colours are the 3 main colours. They cannot be made, but are used to make all other colours.
Secondary colours are made mixing 2 primary colours.
Tertiary colours are made by mixing a primary and secondary colour together. Complimentary colours are opposite on the colour wheel.
Harmonious colours are next to each other on the wheel.
Tint - When you add white to a colour to make it lighter. $\square \square \square \square$

Shade- When you add black to a colour to make it darker $\square \square \square \square \square$

## Making objects look 3D

 To prevent your drawings from looking flat, you should use a range of tones and marks. Pressing harder and lighter and layering with your pencilcreates different tones. Use the direction of creates different tones. Use the direction of
your pencil to help enhance the 20 surface, and your pencil to help enhance the 20 surface, and help objects appear 30.

## Art Technique Key Word

NEXT TO EACH OTHER / BLEND WELL TOGETHER

LANDSCAPES WORD BANK

Horizon Line - Where the land and the sky meet.

Perspective - a 2D surface showing an image that appears as 3D. It gives the correct impression of their height, width, depth, and position in relation to each other.

Arial Perspective - Colour and detail is less the further away an object is.

Background-Objects that are furthest away from the viewer.

Mid-ground - Objects that are in the between the foreground and background.

Foreground - Objects that are closest to the viewer
MARK MAKING
 T|

## Year 8 Sp2-Business



| Unlimited liability | Deed of partnership | Limited liability |
| :--- | :--- | :--- |
| Responsibility for the debts of the business | A document setting out the operations of | Responsibility for the debts of the business |
| rests with the owners | the partnership | Money paid to shareholders from business |
| Capital | Sleeping partner | Shareholders |
| Money raised to start or develop a business | Someone who only invests in a partnership | Owners of a limited company |

## B-ICT Knowledge Organiser Year 8 Sp2-Business

### 1.4.3 The Marketing Mix - Price

A business must take great care when setting the price of products and services. Too low and the business won't make enough profit, too high and customers will not buy

1.4.3 The Marketing Mix - Promotion

1.4.3 The Marketing Mix - Place

1.4.3 The Marketing Mix - Product

The product is a vital element of the marketing mix. The product or service must be something customers actually want.

Advertising a new product more widely can increase sales and extend the life of a product.

Reducing the price of a product can help to maintain sales and extend the life of a product

## Sole trader

- Easy to set up - Unlimited
- Little finance required
- Full control
- Keep all the
profits
profits
- Financial
- Financial informa
liability
- Business stops
if ill or on holiday
- Long working
hours
- Shortage of capital
- Skills shortage - No continuity

Partnership

| Advantages | Disadvantages |
| :--- | :--- |
| - More capital | - Shared profit |
| available | - Unlimited |
| - Easy to set up | liability |
| - More skills | - Shortage of |
| available | capital |
| - Shared | - Slower decision |
| workload | making |
| - Financial | - No continuity |
| information is |  |
| private |  |

Private Limited Company (LTD)

| Advantages | Disadvantages |
| :--- | :--- |
| - Limited | - Financial |
| liability | information |
| - Continuity | available to the |
| - Can raise | public |
| capital more | - Complex and |
| easily | expensive to set up <br> - Control over <br> share sale |
| - Sale of shares is <br> restricted <br> - Dividends to be <br> paid |  |
|  |  |

WISDOM HAS BUILT HERSELF A HOUSE.

Department of Design and
Technology.

# Year 8 Design and Technology - Digital Graphics One of four carousel modules 

Remove specific areas with the magic wand Remove a background on Photoshop
Keywords

Graphics

## Definitions

Graphic design is using Compter software to create images. A graphic designer creates the images that can be published, printed, or electronic media, such as brochures and advertising.

| Layer | In Photoshop each layer is one image stacked on top of another to form a complete <br> image. |
| :--- | :--- |
| Brand | A brand is a name, term, design, symbol or any other feature that distinguishes one <br> company to another. |
| Layout | Layout is the arrangement of fixed items such as image, text and style on a page. |
| Logo | Logos are images, texts, shapes, or a combination of the three that depict the name <br> and purpose of a business |
| Client | The client is your customer. The person who will be using what you have created. |
| Cut | A designer can cut out or crop unnecessary parts of an image to improve framing, <br> highlight a specific subject. |


| Copy and <br> paste | Copy and paste are commands in a computer as a method of transferring data from <br> one location to another. |
| :--- | :--- |
| Select | A selection isolates part of an image so you can work on that area without affecting <br> the rest of the image. |
| Typeface / <br> Typography | Typeface means the font. There are various styles on Typefaces (fonts). <br> ResolutionThe detail of an image based on the number of pixels is known as resolution. An image <br> looks clearer when it has a higher resolution. |
| Pixels | Pixels are square-shaped dots that make a digital raster image. The more pixels an <br> image has, the higher its resolution. |
| Opacity | Opacity is the transparency of an image. The more transparent and image, the lower <br> its opacity. |
| Hue / <br> Saturation | Hue is pure color. Saturation is defined by the intensity of color. |
| JPEG, PNG, | File Formats. JPEG and PNG (Image that cannot be edited) PSD is the Photoshop <br> Document that you can go back to and edit. |

Composition Composition is the arrangement of design elements that form a whole image.


To practice at home you can use photopea which is a free web based programme.

Project brief: Through learning how to use some basic skills in Photoshop, you will create the design for a Popcorn Tub from your choice of film including relevant packaging symbols and components. When your design has been completed, you will be able to assemble it and apply a foil finishing effect.


Practical Skills
Knife Skills
Vegetable preparation
Boiling
Reduction Sauces
High risk foods
Shaping
Baking
Boiling
Simmering
Dough making
Assembling

Food Practical Tasks
Bolognese ragu
Spaghetti carbonara
Vegetable tart
Oaty biscuits
Sweet and sour chicken Chicken curry

Pizza


Claw Grip


## Year 8 Design and Technology - Resistant Materials One of four carousel modules

In this module pupils will be designing and making a wooden trinket box, they will combine traditional and modern techniques and be expected to work in a safe manner at all times.

## Language for Learning

Physical Properties
Working Properties
Hardwoods
Softwoods
Manufactured Boards
Strength
Hardness
Recycling
Lifecycle


| Softwoods |  | Hardwoods |  |
| :---: | :---: | :---: | :---: |
|  | Pine |  * | Beech |
|  | Spruce |  | Oak |
| Comes from coniferous trees | Cedar | Comes from deciduous trees | Ash |
| This tree is an evergreen (green all year), needle-leaved, cone-bearing tree. | Fir | This is a broad-leaved tree which looses its leaves in the winter | Teak |



## Questions.

Can you name the machinery shown?
Why is there lots of signage around the workshop?
What does deciduous mean?
What does coniferous mean?
What is the difference between natural and manufactured timber?
What might the benefit be of using a finger joint? Explain the difference between hardwoods and softwoods. What do we mean by the term fixtures and fittings?

In this project you will consolidate your learning from Year 7- using hand and machine sewing skills. You will complete samples of fabric paint, applique and buttons/beads.
Using a design brief you will complete a task analysis and choose a client to design a product for.
Using different design techniques such as repeat pattern, 3d and isometric drawing to design your product.
Using the knowledge and practical skills you will design and make a weighted door stop.

# Year 8 Design and Technology - Textiles One of four carousel modules 

| Key Words | Explanation |
| :---: | :--- |
| Needle | Used with thread to sew fabric together. |
| Fabric Paint | Applied to the surface of the fabric to add decoration. |
| Thread | Used with a needle to sew fabric together. |
| Applique | Layers of fabric applied on top of each other and sewn down. |
| Fabric Scissors | Used to cut fabric only. |
| Embroidery | A range of decorative stitches. |
| Fabric | Used as the main material in textile items. |
| Pins | Used to hold fabrics together temporarily. |
| Net | A paper template to produce your 3d object. |
| Isometric drawing | A method for visually representing three-dimensional objects in two dimensions |

How to make an Appliqué 1. Choose an Image/Pattern to appliqué
2. Trace Your Imase)Pattern onto a piece of tracing paper 3. Cut out your Imege/Pattern. 4. Secure your Image/Pattern to the fabric using pins.
Cut Out your Image/Pattern from the Cut Out Your Image/Pattern from the fabric.
6. Secure your cut out fabric to your eroduct.
7.
S.cure our Apliqué (Image/Pattern) using pins
8. Stitch your Appliqué
9. Add Any Embellishments.


What is the history of embroidery?
While embroidery is practiced across the world, its origin stems from China and the Near East. Early embroidery can be traced back to Cro-Magnon days or 30,000 B.C. Archaeological finds from this time period reveals fossilized remains of heavily hand-stitched and decorated clothing



## Areas for Assessment

| Creating |  |
| :---: | :--- |
| The ability to work within a group to create and develop <br> performance work. |  |
| Performing | The ability to present a character using physical and vocal skills. |
| Evaluating | The ability to discuss the qualities of a performance using <br> dramatic language. |

Improvisation, Stimuli, Devising, Scripted, Innovative, Questioning, Scene, Development, Feedback, Collaboration


## Dramatic Mediums to consider when Performing

| Facial <br> Expression | Consider the direction of your eyes and what they say to an <br> audience. What position is your mouth in. Do you need to <br> demonstrate control if this is in slow motion? |
| :--- | :--- |
| Body <br> Language | Open or closed? Are you portraying a strong character who is <br> outwardly focused or a nervous inwardly character? |
| Gesture | What are they doing with their hands? Can it help the audience <br> understand what is going on? |
| Use of <br> Voice | Have you considered the words you are going to say? The <br> volume, tone, pitch and use of pause to convey meaning. |
| Proxemics <br> (space) | Where do the performers stand in the space? Does the distance <br> between characters tell us anything about their relationships? |
| Audience <br> Awareness | Are the performers positioned in places where the audience can <br> see them fully? |

During this scheme you will be working within a group to create a performance based on a stimulus. You will develop and devise a performance which will be performed to your peers. You may use the same stimuli as others but your ideas may be completely different. That is the beauty of devising drama from a stimulus. It allows you to be creative and innovative.

## What will I study?

In this unit, you will begin by learning about William Shakespeare and the world he lived in! You will explore what life was like during the Elizabethan period and begin looking at some of Shakespeare famous work. In class, you will look at Shakespearean sonnets and study one of two plays: Romeo and Juliet or The Merchant of Venice.

## Characters in Romeo and Juliet

Lord/Lady Montague - Romeo's father + mother
Romeo - a Montague
Lord/Lady Capulet - Juliet's father + mother Juliet - a Capulet
Benvolio - Romeo's close friend and cousin Mercutio - Romeo's best friend and cousin
Tybalt - Juliet's cousin
Nurse - Juliet's carer and friend
Rosaline - a woman Romeo loves
Friar Lawrence - a priest
Paris - a wealthy gentleman
Escalus - Prince of Verona

## Core Skill: Applying Contextual Information

Shakespeare was born in the Elizabethan era, named after Elizabeth I. After she died, James I became king. This period of history is called the Jacobean era, because Jacob is the Latin for James. Shakespeare lived and worked in both eras. During the Elizabethan and Jacobean era, Italy wasn't one unified country, but a number of small independent city-states. Sea exploration was booming in the Elizabethan era as people 'discovered' new parts of the world. Queen Elizabeth I was obsessed with their discoveries and was happy to pay for their travels. Led by her example, the rest of the country was also fascinated by their stories and goods.

## Romeo and Juliet: Plot Overview

It is a tragic love story where the two main characters, Romeo and Juliet, are supposed to be sworn enemies but fall in love. Due to their families' ongoing conflict, they cannot be together, so they secretly get married. However, the fighting continues and there are deaths in both families. Romeo is involved in the fighting and ends up being banished. Juliet's family don't know of her secret marriage to Romeo, and instead arrange for her to marry Paris. Juliet then plans to faker her own death so she can run away to be with Romeo, but it all goes wrong. In the end, both Romeo and Juliet die in tragic circumstances when trying to be together. Both families then agree to stop fighting.

$\left.$| Key Vocabulary |  |
| ---: | ---: |
| Subservient | To obey others without question. |\(\left|\begin{array}{r}Patriarchal <br>

Society\end{array} \quad \begin{array}{r}A society that is ruled and controlled by <br>

men.\end{array}\right|\)| Where events are deemed out of a |
| ---: |
| person's control because they are |
| Fate |
| Anti- <br> predetermined by a supernatural power. |
| Hostility to or prejudice against Jewish |
| people. | \right\rvert\,

Characters in The Merchant of Venice

- Antonio - a merchant of Venice
- Bassanio - Antonio's best friend
- Graziano - Antonio/Bassanio's friend
- Lorenzo - Antonio/Bassanio's friend
- Shylock - a wealthy Jewish man, loans money
- Jessica - Shylock's daughter
- Portia - a wealthy heiress
- Nerissa - Portia's maid/friend
- Duke of Venice

Bassanio wants to travel to see Portia, a wealthy young woman he wants to marry. He doesn't have the money to achieve this, so his friend Antonio, takes a loan from a wealthy Jewish man called Shylock. Antonio and Shylock are enemies, and so there are dangerous consequences for Antonio if he fails to repay the loan on time. Bassanio goes off to see Portia where he has to pass a test to win her hand in marriage. He passes and all seems well until Bassanio learns that Antonio has not been able to repay Shylock's loan and is now facing death. They sail back and all seems lost until a stranger saves the day. The stranger is revealed to be Portia in disguise, and everyone is shocked that she saves Antonio and has Shylock punished. To make matters worse for Shylock, his only daughter runs away with one of Bassanio's friends as they've fallen in love. Shylock is heartbroken. Bassanio marries Portia and inherits all her wealth.

## Shakespearean Sonnets

## Rules for a Shakespearean sonnet:

- Split into sections that are four lines long. These sections are called quatrains.
- Must be 14 lines long in total.
- Alternate rhyme scheme.
- Ending in a rhyming couplet.
- Often about love or a problem.
- Traditionally written in lambic Pentameter which means there are 10 syllables on each line.
- Usually include lots of metaphors.


## Core knowledge: Shakespeare's world

William Shakespeare is widely regarded as one of the greatest writers in the English language. He was born on or around 23 April 1564 in Stratford-upon-Avon, the eldest son of John Shakespeare, a glove-maker, and Mary Arden, the daughter of a wealthy farmer. There are no records of William's education, but he probably went to King's New School - a reputable Stratford grammar school. At 18, William married Anne Hathaway, and the couple had three children over the next few years. However, in 1596, Shakespeare's eleven-year-old son, Hamnet, died. Between about 1590 and 1613, Shakespeare wrote at least 37 plays and a famous collection of sonnets. In the 1590 s, Shakespeare joined and became a shareholder of the Lord Chamberlain's Men who performed before Queen Elizabeth on numerous occasions. When Queen Elizabeth died in 1603, her successor, King James I, announced that the Lord Chamberlain's Men would now be the King's Men. Shakespeare died on 23 April 1616 and was buried in Holy Trinity Church.

Qù habites-tu? Where do you live?

Tu es de quelle nationalité?
What is your mationality?

## habiter

je
j'habite
j'ai habité
je vais habiter

## Verb Infinitives ending in 'er':

e.g. 'habiter' - 'to live'


AROUND TOWN

Les Questions Clés
Qu'est-ce qu'il y a dans ta ville?
What is there in your tow?
Est-ce que tu aimes ta ville?
Do you like your tow?
Pourquoi?
Why?


Qu'est-ce que tu vas faire en ville? What are you going to do in town?

## Using il y a

Il y a means 'there is'. It is followed by 'un' or 'une' depending on whether the noun is mosculine or feminine.

Il y a un café
There is a café
Il $y$ a une patinoire
There is an ice rink
Il n'y a pas means 'there is not'. It is glways followed by de and never 'un' or 'une'.

Il n'y a pas de café
Il n'y a pas de patinoire


When you describe what is in your town, use the phrase 'il y a...'

Il y a un stade $=$ There is a stadium
II y a une patinoire $=$ There is an ice rink
When you say what isn't in your town, use il n'y a pas DE

II n'y a pas DE stade
Saying what you can do in town Use 'on peut' + INFINITIVE
On peut aller au concert
You can go to a concert On peut faire les magasins

You can do the shopping

TELLING THE TIME (12 hour clock)


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Où est? = where is?
Où est le restaurant? = where is the restaurant?
C'est à gauche = it's on the left
C'est a droite = it's on the right
Entre = between
Devant = in front of
Derrière = behind
```


## Situer - décrire un lieu

## - Adjectifs: « pour décrire»

Un pays, une ville, une région, une province..... - Pluvieux (se): rainy

- frais, fraiche: cool, fresh
- Riche en....(agriculture)
- Pauvre ......(son sol est pauvre)
- Attirant (e) ......(attire les touristes)
- Vert(e)
- Moderne
- Unifié (e)
- économique.


## POUR DÉCRIRE UNE VILLE

- Des lieux dans la ville:

| Marché | Champs |
| :--- | :--- |
| - Musée | Maison |
| Restaurant | Appartement |
| Cinéma | Parc |
| Collège | Pharmacie |
| Magasin | Boulangerie |
| Enicerie | Théătre |
| Rue | Église |

- Au nord/sud/ du Japon...
- A l'est / rouest de l'Espagne
- Au centre de IItalie
- A 300 kilométres de Madrid
- C'est une région a rest de la capitale
- A une heure de Paris (en voiture, en train)
- Il y a 6 milions d'habitants
- C'est une petite ville de 60.000 habitants
- C'est une grande / petite ville
- C'est une ville moyenne
- C'est un grand / petit pays
- C'est un parys moyen
- On peut visiter...
- Les gens sont très cuverts, sympathiques...
- Les monuments principaux sont.....


## Perceptions of Africa

Perceptions are the way people perceive something, for example many people's perception of Africa is that it is wretchedly poor and impoverished. However, in many places in Africa this is a misconception.


Many parts of Africa are poor and impoverished, but many parts are not. Misconceptions are borne from a lack of information, and we must be critical about where we get our information from in whatever form of media that is.


Africa is the world's second largest and second most-populous continent, being behind Asia in both categories. The continent is surrounded by the Mediterranean Sea to the north, the Isthmus of Suez and the Red Sea to the northeast, the Indian Ocean to the southeast and the Atlantic Ocean to the west. The continent includes Madagascar and various archipelagos. It contains 54 fully recognised sovereign states (countries),

## One of the physical

 features in Africa is deserts, for example the Sahara, in northern Africa. There is very limited plant and animal life due to the difficult living conditions.Rainforests are also pervasive across Africa and lie in central areas, due to the slightly cooler and wetter temperatures further south from the equator. Very many plant and animal species live here, but they're under threat from deforestation.

## Different ecosystems in Africa

There are lots of different ecosystems in Africa - rainforest, desert, savanna, etc. Deserts and rainforests have been explained above, but the savanna regions have more seasonal weather with rainy and dry seasons all year round. Many species of grass grow, and more rainfall leads to more diverse wildlife such as zebra, wildebeest, giraffe and buffalo which migrate to follow the rainfall.


The climate in Africa is extremely varied due to the location of the place relative to its latitude. This means places in the south of the continent, such as Sutherland, South Africa (see left climate graph) is much cooler (temperature shown by red line graph) and wetter (blue bar chart) than in the Sahara Desert.



## Nomadic tribes

Nomads are people who move from place to place to live rather than settling in a single place. Usually, this is to take advantage of crops all year round in challenging environments. Their livelihoods are often drastically different to western cultures, and they have deep rooted traditions. Sadly, these tribes' futures are at risk due to issues of desertification and political issues with national governments.



## Reducing poverty

Poverty is rife in Africa, with around 50\% of Africans living in poverty and around $40 \%$ being illiterate (they cannot read or write). However, Africa is extremely rich in terms of the resources (oil, gas, crops etc.) that it has naturally. Therefore, it is confusing and complex as to why Africa is the poorest continent on Earth by far.


In order to reduce poverty, we can seek to improve education to give young children the best chance of getting well-paying jobs. Increasing tourism opportunities also opens these communities up to wages and job opportunities. Water supplies being improved can also improve health and improving the quality and quantity of hospitals and healthcare services would also help here. Improving transport links would help to allow people to move around in search of employment and living facilities more easily and would increase trade.

## North West

## North East

Very little rainfall, frequent drought \& dry river beds. High temperatures. Poor vegetation. Difficult to grow crops and graze animals.

## Central Kenya and south west

More rain and better water supply.
Temperatures are lower due to high altitude (higher up).
Volcanic rock gives deep soil. Trees grow and provide leaf litter which produces good soil. Good area for growing crops e.g. coffee and flowers (cash crops for export).


South East
More rain \& better water supply.
Good ports and sandy beaches developed for tourism (e.g. Mombasa).
Ports good for trade links (next to the Indian Ocean).
Cooler temperatures in coastal areas.
Ocean provides a reliable food source (fish), which also provides employment.

## The British Empire

## Key words

Empire - A group of countries ruled over by one monarch or government.
Colony - A country belonging to the Empire of another country and under their control.
Colonialism - the policy of gaining and controlling countries as part of an empire.
Imperialism - A country extending its power by taking control of other countries to add them to its empire.
Independence - Being free of control from another country.
The East India Company - A British company that became the most powerful in the world, ruling much of India.
Monopoly - When one company or person has the sole right to trade a particular good.
Global - worldwide.
British West Indies - Islands in the Caribbean Sea, controlled by Britain.
Political dominance - power over how a place and its people are governed.
Economic exploitation - unfairly taking advantage of people in the colonies to increase Britain's own wealth.
Culturalism - the belief that British culture was superior to the culture of the colonies in the British Empire.
Racism - the belief that the white British race was superior to the other races in the British Empire

## Key ideas

The British Empire began with the East India Trading Company.
In the 17th century, the company set up colonies in North America and India.
The British Empire was built up further during the $18^{\text {th }}$ and $19^{\text {th }}$ centuries.
The British West Indies were Caribbean islands that were part of the British Empire.
The British Empire allowed Britain to show its power overseas and to make vast sums of money.
In 1776, Britain's thirteen American colonies become an independent country the United States of America.
In the nineteenth century, Britain gained more colonies in Asia, Africa and Australia.
By the end of the $19^{\text {th }}$ century, the British Empire stretched over 23\% of the world.

## Slavery

Key words
Atlantic Slave Trade - the trade in people, stolen from Africa
Triangular Trade- the three way trade: British and European traders exchanging manufactured goods for African people and, selling African people in America, to buy raw goods for the factories in Britain/Europe.
The Middle Passage - the terrible journey taken by the slaves on the slave ships, from Africa to America.
Slave Auctions - the selling of slaves to plantation owners in the Americas.
Plantations - large farms that grew one type of crop in the Americas e.g. cotton, tobacco or sugar.
Resistance - Slaves who refused to do as their masters told them.

## Key ideas: Life on a Plantation

- Life on the slave plantations was very hard. Back breaking work for long hours and no pay
- Any slave resistance was punished severely, especially slaves who tried to run away, who could be beaten, battered or burned
- The selling of family members was a feature of slavery in the Caribbean and America, causing appalling suffering to the slaves.
- There was an "underground railroad" in the $19^{\text {th }}$ century, which was a group of people who helped slaves to escape to Canada and safety. However the journey was dangerous and many died or were caught.
- Harriet Tubman was an important "conductor" on the railroad, who rescued hundreds of slaves.
- She also fought in the Union Army in the Civil War.

Key ideas - from person to possession

- Africa had its own civilizations, which were destroyed by the slave trade
- Before the Atlantic Slave Trade, slavery was not based on skin colour.
- At least 12 million people were taken from Africa and most were men, which badly affected the West of Africa.
- The trade caused wars and rivalries between the African kingdoms and introduced guns to Africa.
- Slavery completely dehumanized the people caught up in it.
- The Middle Passage was an horrific experience for the slaves, most of whom were chained up below decks in filthy conditions.
- People were whipped, beaten and assaulted and the sick were thrown overboard to drown. Many of the African people did not survive the voyage.
- Those who made it through the Middle Passage were sold at auction. Almost all of them were separated from anyone they had made the voyage from Africa with.


## Protest Movements

Key words: Industrial Revolution Protests Protest Movements - a group of people who want to change something, often how society is run.
Violent - using physical strength to harm, hurt or destroy
Desperation - feeling of despair, that can lead to reckless behaviour
Riot - a violence disturbance by a crowd of people
Trades Union - an organization of workers, who campaign to get better rights from their employers
Massacre - the brutal slaughter of many people.
Livelihood - a way to get the necessities of life: food, shelter and clothing.
Threshing machine - power driven machine
for separating the grain from corn or
other crops.
Capital crime - a crime carrying the death penalty
Magistrates - Judges who hear cases in court and decide guilt or innocence and Peterloo - A massacre took place at St Peter's Field, Manchester, on 16 August 1819. Radicals - Politicians who wanted change to improve the lives of the working classes.

Parliament - this is the group that run the country, voted into power by the electorate.
Electorate - people that have the right to vote
Cavalrymen - soldiers on horseback
Assembling - gathering together
Unlawful - against the law
Banners a long cloth bearing with slogan or design, carried in a demonstration.

Key ideas: Industrial Revolution Protests Exciting discontent - encouraging people to
The Luddites, 1811-12. Handloom weavers in the production of textiles, who lost their livelihoods due to the new machinery. They became "machine breakers", which was made a capital crime The Protesters at St Peter's Field, Manchester 1819 who were attacked by the army, leading to the Peterloo massacre.
The Swing Riots - these were riots by farm labourers who were losing work due to the new threshing machines. They also became machine breakers and many were hanged.
The Tolpuddle Martyrs, 1834: farm labourers in
Dorset who joined the GNCTU and were transported to Australia.
The Chartists - working class men, campaigning for the right to vote and for the industrial cities to be able to return a candidate to Parliament.

## Key words: The Suffragettes

Suffragists - activists who used non-violent and legal action to get the right to vote
Suffragettes - activists who fought for the right for women to vote using direct action, including illegal and violent activities
The franchise - the right to vote in elections
Civil and Political rights - protection for people from oppression
Oppression - unjust treatment, the unfair exercise of authority over someone
Petition - a request for a change in the law, presented to parliament \& signed by those who support it.

Key ideas: The Suffragettes
Emmeline Pankhurst \& her daughters Sylvia and Christabel - the leaders of the Suffragettes Deeds not words - the Suffragettes used direct action so that they would not be ignored
Hunger Strike - the Suffragettes went on hunger strike when they were imprisoned Force-feeding - the Suffragettes began to be forcefed in prison, when they stopped eating
The Cat and Mouse Act - the early release of prisoners who were weak after hunger striking, who were re-called to complete their sentence once they were recovered.

## What should I be able to do?

- Convert between fractions, decimals and percentages
- Increase or decrease using multipliers
- Express an amount as a percentage
- Find percentage change


## Conversions:

$$
\begin{aligned}
& \text { What is } \frac{4}{5} \text { as a percentage and decimal? } \\
& \frac{4}{5} \times \frac{?}{100}=80 \% \xrightarrow[\div 100]{ } 0.8
\end{aligned}
$$

What is $60 \%$ as a fraction and decimal?

$$
60 \%=\frac{60}{100}=\frac{3}{5} \quad 60 \% \stackrel{\div 100}{\longrightarrow} 0.6
$$



## Fraction/Percentage of an amount:



Non-Calculator method Find $60 \%$ of $£ 60$
$10 \%$ is $60 \div 10=6$
$60 \%$ is $6 \times 6=£ 36$
$60 \div 5=12$
$\frac{1}{5}$ of $60=12$
$3 \times 12=36$
$\frac{3}{5}$ of $60=£ 36$
Calculator method
Find $60 \%$ of $£ 60$
$60 \%$ is 0.6
$0.6 \times 60=£ 36$

## Multipliers:

Increase 250 by 7\%

$$
\begin{aligned}
& 100 \%+7 \%=107 \% \\
& 107 \%=1.07 \\
& 250 \times 1.07=267.5
\end{aligned}
$$

Decrease 80 by 12\% 100\% - 12\% = 88\% $88 \%=0.88$ $80 \times 0.88=70.4$

The multipliers are 1.07 and 0.88


## What should I be able to do?

- Convert between numbers in standard form and ordinary numbers
- Order numbers in standard form
- Calculate with numbers in standard form
Powers of 10:
$10^{4}=10 \times 10 \times 10 \times 10=10000$

$$
10^{-2}=1 \div 10 \div 10=0.01
$$

Negative powers do not indicate negative I solutions, they indicate a number closer

Standard form: Write $3 \times 10^{-2}$ as an ordinary number. $3 \times 0.01=0.03$

Write $8 \times 10^{3}$ as an ordinary number. $8 \times 1000=8000$
Greater than or equal to 1 Less than 10

$$
8 \times 1000=8000
$$

Write 0.005 in standard form.

Standard Form, Commutative, Base, Power, Exponent, Indices, Negative
$5 \times 0.001=5 \times 10^{-3}$
Write 76000 in standard form.

$$
7.6 \times 10000=7.6 \times 10^{4}
$$

Year 8 Knowledge Organiser
Maths Spring Term 2b STANDARD FORM

## Addition law for indices

$$
\mathrm{a}^{\mathrm{m}} \times a^{n}=a^{m+n}
$$

$$
10^{2} \times 10^{4}=10^{6}
$$

Subtraction law for indices

$$
a^{\mathrm{m}} \div a^{n}=a^{m-n}
$$

$$
10^{7} \div 10^{5}=10^{2}
$$

## Addition and Subtraction:

Convert from standard form into a ordinary number.

Then add or subtract them

Finally convert them back into standard form.

$$
\begin{gathered}
9 \times 10^{5}+8 \times 10^{6} \\
=900000+8000000 \\
=8900000 \\
=8.9 \times 10^{6} \\
\hline
\end{gathered}
$$



Multiply the first numbers together $3 \times 7=21$
Multiply the powers of 10 together $10^{4} \times 10^{5}=10^{9}$ (remember you add the indices)

Check that your answer is in standard form (convert it if it is not)

Division: Divide the numbers together first, then divide the powers of 10, remembering to subtract the indices. Check your final answer is in standard form.

$$
\begin{aligned}
& \text { Work out } \begin{aligned}
& \frac{3 \times 10^{7}}{6 \times 10^{2}} \text { or }\left(3 \times 10^{7}\right) \div\left(6 \times 10^{2}\right) \\
& (3 \div 6) \times\left(10^{7} \div 10^{2}\right) \\
& 0.5 \times 10^{5} \\
& 5 \times 10^{-1} \times 10^{5} \\
5 & 510^{4}
\end{aligned}
\end{aligned}
$$

Music: Spring 2- Blues


| Pitch | High | The highness or lowness of a sound. |
| :---: | :---: | :---: |
|  | Low |  |
|  | Stepwise | Moving one note at a time |
|  | Leap | Jumping to the next note. |
| Articulation | Smooth | Playing notes in a long, smooth way |
|  | Legato |  |
|  | Detached | Playing notes in a short, detached, spiky way. |
|  | Staccato |  |
| Dynamics | $\begin{array}{\|l\|} \hline \text { Loud } \\ \hline \text { Soft } \\ \hline \end{array}$ | The volume of the music. Italian mu- <br> sic terms are used to describe this. <br> Very quiet |
|  |  |  |
|  | $\begin{gathered} p \\ \text { piano } \end{gathered}$ | Quiet |
|  | $\begin{gathered} \boldsymbol{m p} \\ \text { mezzo piano } \\ \hline \end{gathered}$ | Moderately quiet |
|  | $\begin{gathered} m f \\ \text { mezzo forte } \end{gathered}$ | Moderately loud |
|  | $\underset{\text { forte }}{f}$ | Loud |
|  | $\begin{gathered} \text { ff } \\ \text { fortissimo } \end{gathered}$ | Very loud |
|  | Crescendo | Gradually getting louder |
|  | $\stackrel{\text { Diminuendo }}{ }$ | Gradually getting quieter |

## Peer feedback prompts

WWW
What went well...
Self-reflection
What step are you working at?
What do you need to do to achieve the next step?

| Walking Bass | The bass part in the Blues 'walks' <br> up the notes of a chord creating a <br> 'walking bass' part. |
| :--- | :--- |
| 12-Bar Blues | Traditional style of music using 3 <br> chords over a 12-bar cycle |
| Syncopation | When music is played on the off <br> beat (i.e. not played on the main <br> beat of the bar). This creates a <br> disjointed feel. |
| Improvisation | Music that is made up on the spot <br> by a performer, often based on a <br> given chord progression or set of <br> notes. |
| Swing | The first bit of the beat is longer <br> as it steals time from the second <br> bit to give the music a swinging <br> feel. |
| Rhythm |  |



## Badminton

READY POSITION - balanced stance, side on, racket up, ready to go, on toes. SERVING -There are several types of serve - short/backhand, long, flick. A backhand serve should land close to the service line on your opponents side of the net. The racket head must start from below the waist.
UNDERARM CLEAR (long serve) - This shot is played high to the back of your opponents court. Start sideways on and use a whip action with the wrist to create power.
OVERHEAD CLEAR - Played to the back of your opponents' court and is a defensive shot. Start sideways on, racket up and behind you, focus on making contact with the shuttle in front of you.
DROP SHOT- a shot played with finesse to land the shuttle as close as possible to the net on your opponent's side.
SMASH SHOT - This is the main attacking shot in badminton. It is an overhead shot, hit in front of the body, that aims to get the shuttle down on the floor at a sharp angle. The wrist needs to "snap" to get it down.
Tactics:
Hitting into space - keep your opposition moving around the court
Shot selection - selecting the right shot for the right situation
Targeting opponents weaknesses
Disguised shots - trying to make it look like you are going to play a particular shot but then play a different shot to fool an opponent.
Doubles play - role of players in doubles. Front/back formations or side to side.

## Rules

Game starts with a diagonal serve- right hand side to right hand side
Serve must land over the service line
Play to 21 points - but must win by 2 clear points.
A point is won every rally
Whoever wins the point serves next
When score is even, serve from right, when score is odd, serve from left
Court is long and thin for singles, short and wide for doubles You cannot hit the net with your racket or body


## Glossary of Key Vocabulary

Trinity - God as 3 in 1 - Father, Son and Holy Spirit.
Nicaea - a big city in Ancient Greece.
Creed - a statement of belief.
Church Council - a meeting of church
leaders to discuss important
beliefs/issues.
Afterlife - an existence after death.
Reincarnation - believing your soul will be reborn into another body after death.
Resurrection - believing your body will be raised to life after death.
Heaven - a place of reward/paradise where God rules supreme.
Hell - a place of separation/punishment from God.
Purgatory - a place of cleansing for your soul before entering heaven. Judgement - deciding between good and bad or right and wrong. What God will do after we die.
Holocaust - the persecution of the Jews and other minority groups by the Nazis. Persecution - when someone is targeted or discriminated against because of their religion/race/gender etc.

## Overview

This half term you will learn about the doctrine of the Holy Trinity in more detail and be able to reference the importance of the Nicene Creed in helping Christians to understand the persons of the Trinity today. Knowing the Christian belief that there is one God in three persons, you will explore ideas about life after death before completing an introductory study on the Holocaust.

## Year 8 RE

Spring 2 Core Beliefs / The Holocaust


Checklist of what you will learn this half term: $\square$ The Trinity
The Nicene Creed Non-religious ideas about life after death Catholic beliefs about life after death $\square$ Introduction to the Holocaust
$\square$ God and the Holocaust

## Key Sources of Wisdom and Authority (Religious Teachings):

- The Nicene Creed
- "As soon as Jesus was baptized, he went up out of the water. At that moment heaven was opened, and he saw the Spirit of God descending like a dove and alighting on him. And a voice from heaven said, "This is my Son, whom I love; with him I am well pleased." Matthew 3: 16-17
Jesus said "I am the resurrection and the life. Those who believe in me will live, even though they die." John 11:25




## Bar Magnets



Opposite poles, N and S , attract.


When the poles are the same, they repel i.e. push away.

## Solenoids

A coil of wire called a solenoid


Magnetic field like a bar magnet

## MAGNETIC FIELD - a region where <br> Compasses always point from North

 magnetic materials (e.g. iron) experience a force.MAGNETIC FIELD LINES - lines that are drawn to show the magnetic field. They always point from North to South.

to South along magnetic field lines.


## Electromagnets

An electromagnet is a solenoid (coil of wire) wrapped around an iron core. The magnetic field around an electromagnet is the same shape as around a bar magnet or solenoid.

They are used in: door bells, scrap yards and many electrical items.

Two ways to increase the strength of an electromagnet;

- increase the current in the wire
- increase the number of turns in the coil

The magnetic field can be turned on and off by turning the current on and off.


## Compounds

- Substances that are made up of more than one type of atom, chemically combined.
- Chemical and physical properties are different to the elements they are made up of.
- CANNOT be separated into the elements it is made from
- Are always found as molecules.
- Names often made up of two parts - for instance sodium chloride, copper sulphate
- Formulae is ALWAYS more than one CAPITAL letter e.g. $\mathrm{H}_{2} \mathrm{O}, \mathrm{CO}_{2}$



## Word equations

Show us what happens during a chemical reaction.

$$
\text { Reactants } \rightarrow \text { products }
$$

## Chemical Formula

- Show us what elements are present in compound
- The symbols used are from the Periodic Table

For example the chemical formula:

## $\mathrm{CaCO}_{3}$

- Tells us it contains 3 elements: Ca - calcium, C - carbon, and Ooxygen
- Also tells us how many atoms of each: calcium - 1, carbon - 1 and oxygen - 3

Periodic Table

- Elements represented by 1 or 2 letter symbols
- Elements with similar properties are arranged in vertical columns are called groups.
- Horizontal rows are called periods.


## Developing the Periodic Table

- A number of scientists developed and improved the way the Periodic Table is organized, over a long period of time.
- This happens in all areas of science - ideas change as new evidence is found.
- The modern Periodic Table was developed by Dmitri Mendeleev.



## Las vacaciones

El primer día - On the first day
El ultimo día - on the last day
Primero - first
Luego - then
Después - after
Más tarde - later
Visité monumentos - I visited monuments Compré una camiseta - I bought a t-shirt Saqué fotos - I took photos
Monté en bicicleta - I rode a bike
Descansé en la playa - I relaxed on the beach
Mandé SMS - I sent a message
Bailé - I danced
Nadé en el mar - I swam in the sea
Tomé el sol - I sunbathed
Escribí SMS - I wrote messages
Comí una paella - I ate paella
Bebí una limonada - I drank a lemonade
Conocí a un chico guapo - I met a good-looking boy
Salí con mi hermana - I went out with my sister
Vi un castillo interesante - I saw an interesting castle

Acabo de ir a... - I have just been to.
Siempre he soñado con ir a... - I've always dreamed of going to...
Ojalá pudiera ir a... - I wish I could go to...
Cuesta un ojo de la cara - It costs an arm and a leg
El hotel era... - the hotel was...
El hotel tenía... - the hotel had...

## Guay - cool

Flipante - awesome
Genial - great
Regular - ok
Regular - ok
Horroroso - terrible
Un desastre - a disaster
Raro - strange/weird
Lo pasé bomba! - I had a fantastic time iLo pasé fenomenal! - I had a wonderful time iLo pasé guay! - I had a great/cool time Lo pasé mal - I had a bad/terrible time

Look at this model text about holidays - do you think you could replicate it with your own information?

| Normalmente voy de vacaciones a Grecia. | Normally I go on holiday to Greece. |
| :---: | :---: |
| Voy con mi familia y vamos en avión | I go with my family and we go by plane |
| ya que es rápido pero también es aburrido. | because it's fast but also it's boring. |
| Acabo de ir a Francia y fue guay. | I've just been to France and it was cool. |
| Fui con mi clase y fuimos en autocar. | I went with my class and we went by coach. |
| El primer día visité monumentos y saqué muchas fotos. | On the first day I visited monuments and I took lots of photos. |
| Después compré una camiseta roja. | After, I bought a red tshirt. |
| El ultimo día tomé el sol en la playa | On the last day I sunbathed on the beach |
| y más tarde, nadé en el mar. | and later, I swam in the sea. |
| iLo pasé bomba! | I had a fantastic time! |
| Siempre he soñado con ir a Estados Unidos | I've always dreamed of going to America |
| porque me encanta la comida y la cultura. | because I love the food and the culture |
| Sin embargo, cuesta un ojo de la cara. | However, it costs an arm and a leg. |

WHENYOUSUSTBOUTEDATIP

DIDYOUGDTHWI ANYIDEG:

