



ST. ANNE'S
R.C. HIGH SCHOOL

Year 7

NAME:

Form Group:

SPRING TERM 1 SUBJECT KNOWLEDGE ORGANISERS

You will definitely enjoy what you've worked hard for—
you'll be happy; and things will go well for you

Proverbs 128:2



History / Information

Pop Art is an art movement that started in the 1950s and became popular in the 1960s. It was inspired by everyday objects like soup cans, comic books, and advertisements. Artists wanted to show how popular culture could be just as artistic as traditional paintings. Some famous Pop Art artists include Andy Warhol, who painted colourful pictures of soup cans and Marilyn Monroe, and Roy Lichtenstein, known for comic-style art with bold dots and bright colours. Pop Art used fun, bold designs and made art feel more modern and connected to the real world around us.

Key Words

1. **Pop Culture** – Everyday things people enjoy, like music, TV, movies, and ads.
2. **Consumerism** – The focus on buying and selling products in society.
3. **Advertising** – Images or messages used to sell things, often used as inspiration in Pop Art.
4. **Screen Printing** – A method of printing designs, used by artists like Andy Warhol.
5. **Icon** – A famous person or symbol, like Marilyn Monroe or a Coca-Cola bottle.
6. **Repetition** – Showing the same image or pattern multiple times.
7. **Abstract** – Art that doesn't look exactly like real life but focuses on shapes and ideas.
8. **Contrast** – Strong differences in colours or designs to catch attention.

Pop Art Characteristics

1. **Bright and Bold colours** – Pop Art often features vibrant, eye-catching colours.
2. **Inspiration from Popular Culture** – It uses imagery from everyday life, like advertisements, comic books, celebrities, and consumer products.
3. **Flat Imagery and Simple Shapes** – Pop Art avoids complex depth and focuses on clean, flat, graphic styles.
4. **Irony and Humor** – It often plays with humor and satire, poking fun at consumer culture.
5. **Repetition** – Repeated patterns or images are a common element.
6. **Everyday Objects as Art** – It elevates ordinary items, like soup cans or soda bottles, to the status of fine art.

Support

Below are videos with more information surrounding Pop Art & Roy Lichtenstein.



Pop Art History



Roy Lichtenstein Information

Research Page Criteria

1. **Creative Background** - Linking the background to the style of art or making it look similar to the work of the artist.
2. **Study Piece** - Recreating a piece of artwork as accurately as you can.
3. **Information** - Information about the artist, time period, art style that is written in full sentences and in your own words.
4. **Title** - A clear and readable title that is creatively displayed in the style of the artist or art style.
5. **Images of artwork** - Including images of artwork of the art style or artist so that viewers can visually see and understand the artwork you are presenting.

Year 7 Spreadsheet (Data Handling)

A spreadsheet file is made up of one workbook and multiple worksheets. Worksheets appear as tabs at the bottom of a workbook. They can be reordered and renamed.

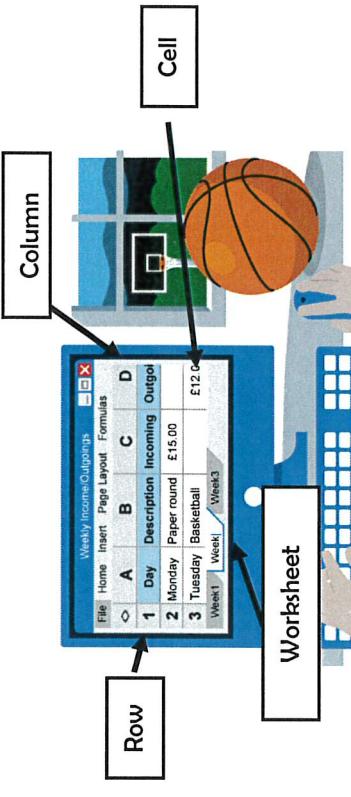
Key Terms

Spreadsheet	Model	Cell	Formula	Function	Conditional formatting
Row	Column	Formatting	Macro	Graph	Pivot table

Cell formatting

To access a cell's formatting options, right-click on the cell and click 'Formatting options'. A dialogue box with the following tabs will appear:

- number – tell the spreadsheet what type of data the cell contains, eg currency, percentage, date, time, etc
- alignment – align the text in the cell vertically (top, bottom or middle), horizontally (left or right) or at an angle
- font – change the font used, text size and colour
- border – add a solid, dotted, dashed or coloured border to the cell



Sorting cell data

The A-Z feature automatically orders data in ascending/descending order or alphabetically.

Filter

The filter tool refines the data, to only show you the data that you need for a particular task.

Independent Learning Tasks

Can you think of any examples of data that might be stored in a spreadsheet?
Why might we store data in a spreadsheet INSTEAD of keeping the data in a book or in a word document?

What jobs might use a spreadsheet regularly?
Why do we format a spreadsheet?

- =sum(a1:a5)
- =min(a1:a5)
- =max(a1:a5)
- =average(a1:a5)
- =count(a1:a5)

Advanced functions

- IF – change the value of a cell if something is true, eg if a customer's total bill is over £100, deduct 10% from their bill.
- COUNTIF – adds up cells that meet a certain rule, eg count the number of students that achieved level 6.
- VLOOKUP – matches contents of a cell with an answer, eg how much is a pepperoni pizza?

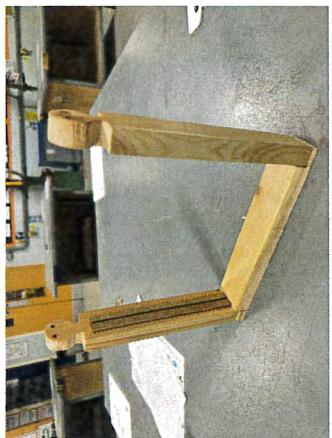
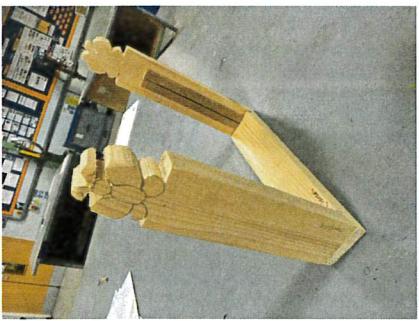


Y7 Construction

Knowledge Organiser

Postcard questions!

- What is the difference between all 3 stop buttons around the room?



- What tool is for cutting curves and which for straight lines?

- What is the brown circle sometimes seen on wood?

Hardwood V Softwood! Scan the QR code to revise some information -



When drawing in one-point perspective you should stick with four main line types:			
Example types of line:	Name	Example types of line:	Name
—	V	—	C
—	P	—	H

Skills you will learn

Marking and measuring

Cutting Skills (Coping or Tenon Saw)

Drilling with the Pillar/Bench Drill

Using the Chisel and Mallet for your joint

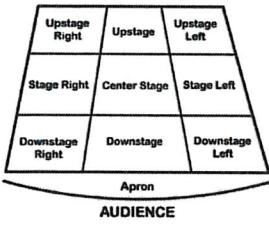
Safety in the workshop

Adding the border to the picture frame

Theory work & drawing in 1 point perspective

Y7 – The Pied Piper

KEYWORDS	Unit Overview
Freeze Frame - A still image where the action is ‘frozen’	
Thoughts Aloud - When a frozen character speaks out loud to the audience conveying their thoughts or feelings	
Narration - When one or more people speak directly to an audience giving information about the action or characters	
Role Play – Acting out a scene with speech and movement.	
Marking the Moment – Picking the most important moments of a piece and “marking” them with a Drama technique.	
Narrator-Where an actor/s tells the audience what is happening on the stage	
Devising-Creating a Drama piece such as a role play	
Characterisation – performing a different part of a play	<p>You will learn many new Drama techniques and apply them to the story of The Pied Piper. You will use your knowledge to try different ways of acting out the story, using your understanding of plot, and characters to inform their choices.</p> 

STAGING			
STAGE DIRECTIONS 	Proscenium Arch Describes the frame that surrounds the stage. All the audience face the same way. The stage is raised. The seating is often tiered. 	In The Round The audience sit around the stage on all sides. Performers enter and exit through the audience on walkways. 	Thrust Stage Sticks out into the audience, who sit on three sides. There is a back wall that can be used for hanging backdrops and large scenery. 

WHAT DO YOU THINK?
What skills are needed to create a good role play?
Why are facial expressions and body language even more important in a freeze frame?
How does the role of the narrator improve a role play?

SUPPORT		
		
Watch the story as a cartoon	The real Pied Piper of Hamelin Story	How to use a narrator effectively in your piece of Drama

English Year 7 Knowledge Organiser HT4 – Identity

Key words	identity	Unit Overview
Splendour		Our identity is individual to us but is also influenced by the people around us and the environment we live in. In this topic we are studying poetry and reading autobiographies to influence our own writing about who we are and what is important to us.
Enjambment		
Personification		
Critique		
Discriminate		
What do you think?		
		Why do writers choose to use poetry to express their ideas?
		Why are sonnets a popular form of poetry?
		Why are people interested in reading about other people's lives?
<p>What is a sonnet?</p> <div style="display: flex; justify-content: space-around;">   <div style="text-align: center;">SCAN ME</div> </div> <p>Upon Westminster bridge analysis</p> <p>Death Be Not Proud analysis</p> <p>The Lynching analysis</p>		
<p>Perform your poem for the Poetry By Heart competition!</p> <p>POETRY BY HEART</p> 		

KEYWORDS

Versatile -Ability to be used for more than one purpose.

Eatwell guide -A healthy eating model showing the types and proportions of foods needed in the diet.

Hygiene- Cleanliness and clean conditions to maintain health and prevent disease spread.

Sensory-Human testing of the taste, smell, texture and appearance of a food product.

Modified -Making changes to something e.g. a recipe

Cross Contamination- The transfer of bacteria from one food to another, from humans, animals other food or equipment.

Heat Transfer – The way heat moves from one area to another through conduction, convection and radiation.



CLEANING	CHILLING
Cleaning kills bacteria <ul style="list-style-type: none"> Wash hands before, during and after food preparation Wash all worktops, utensils, chopping boards and equipment Rinse unwashed salad, fruit and vegetables 	Chilling prevents microbial growth. <ul style="list-style-type: none"> Cool food to below 5 degrees Celsius as quickly as possible and defrost food in the fridge Fridge = - 0 degrees – 5 degrees Freezer = 15 degrees or below
COOKING Cooking kills bacteria Food needs to be heated till steaming hot with the core temperature reaching <ul style="list-style-type: none"> 60 degrees Celsius for 45 minutes 65 degrees Celsius for 10 mins 70 degrees Celsius for 2 minutes 75 degrees Celsius for 30 seconds 80 degrees Celsius for 6 seconds 	CROSS CONTAMINATION Bacteria are transferred from one object to another <ul style="list-style-type: none"> Keep raw and cooked food separate Never eat raw meat Keep raw meat and shellfish on the bottom shelf of the fridge

Support



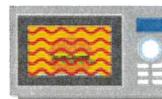
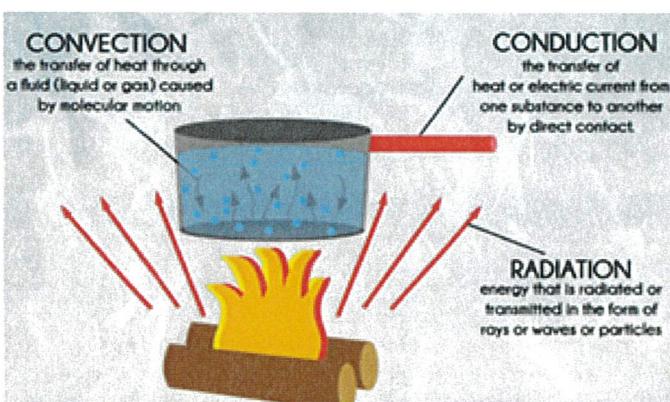
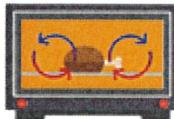
QR CODE – Eatwell Guide



QR CODE – Sensory Testing in Food



QR CODE - Health and Safety / cross contamination



QR CODE: Methods of Heat transfer video/website

WHAT DO YOU THINK?

Why is Food hygiene and safety important in Food Technology?

Why are staple foods versatile? How can a recipe be modified?

What is sensory testing used for? Which sense are used?

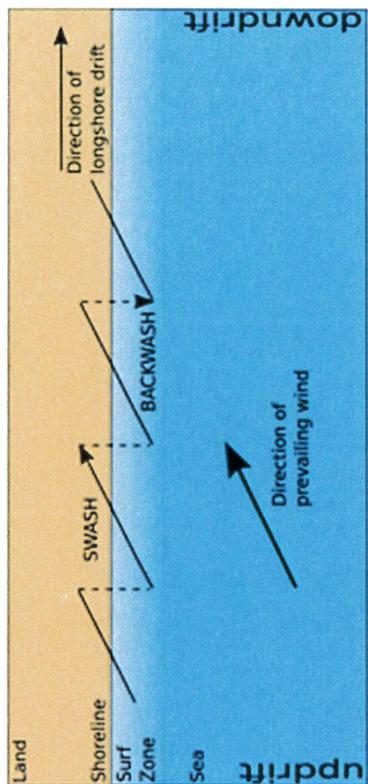
What are the different methods of heat transfer? Can you identify which ones you have used in food technology?

Year 7 Coastal environments

These are the key processes you need for your lessons.



What is longshore drift?



Erosion	Erosion is the process of natural features being gradually worn down by water, wind, ice, or rocks.
Transportation	When eroded material is carried by the river.
Deposition	When material the river is carrying is dropped because it loses energy.

What are the different types of erosion?

Abrasion -

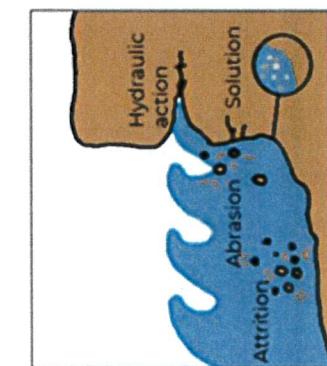
Eroded material is hurled or scraped against the cliff, breaking off rock.

Attrition -

Eroded materials in the sea hit into each other, breaking down into smaller pieces.

Hydraulic action -

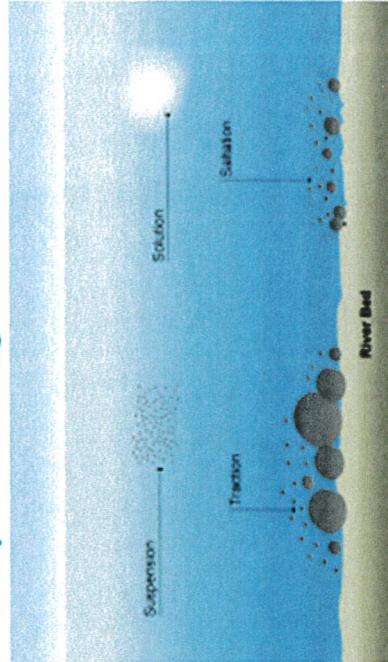
Waves compress pockets of air in cracks in a cliff, causing the crack to widen, breaking off rock.



Solution -

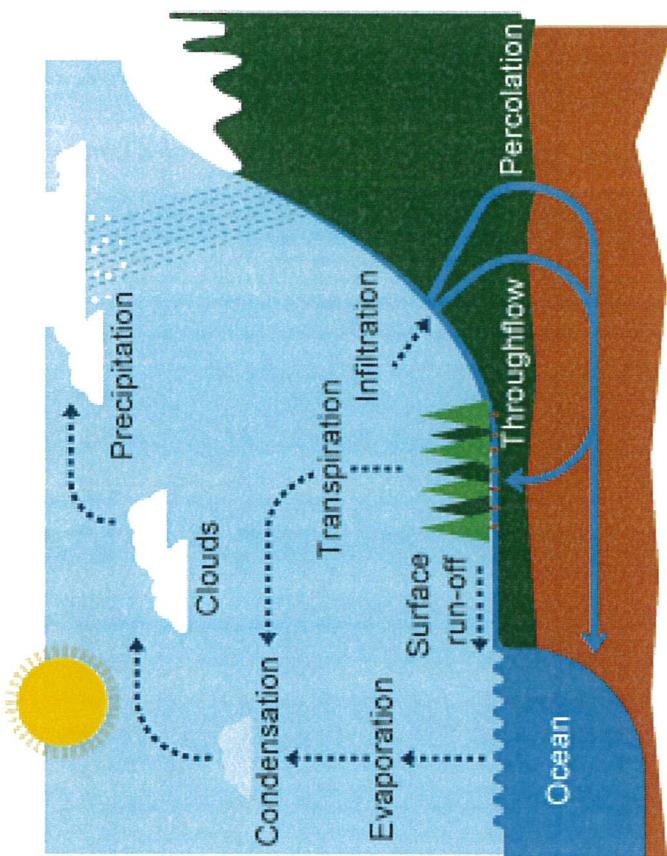
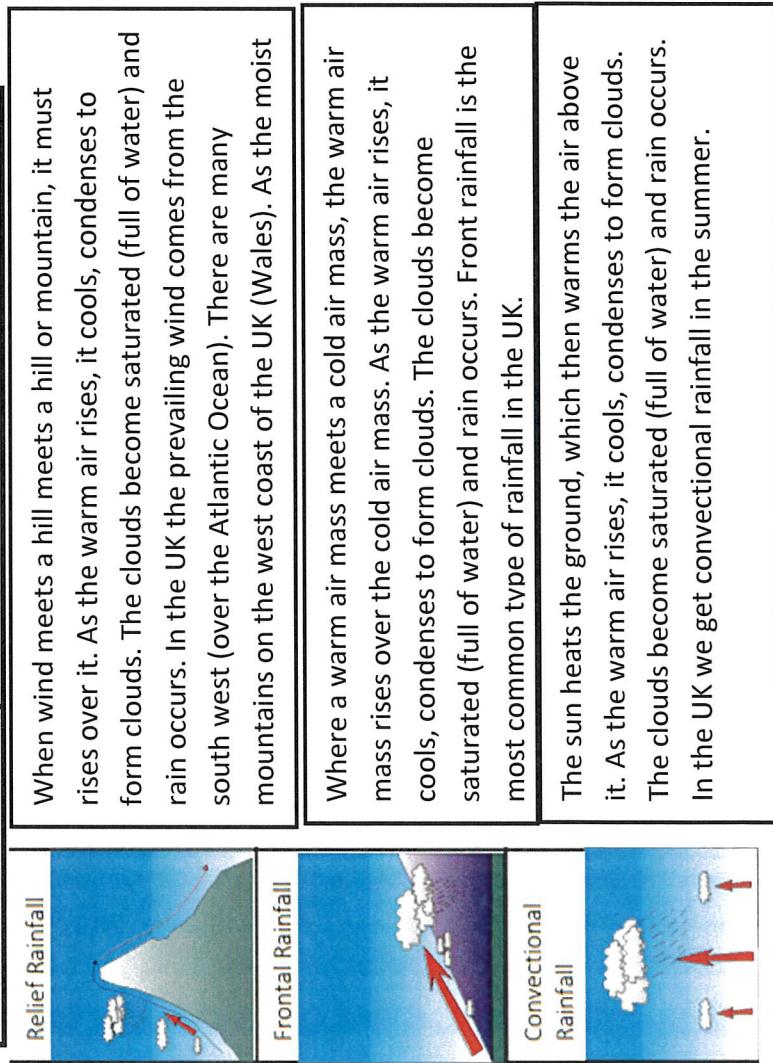
Cliffs dissolve in seawater

How is sediment transported along the coastline?



Weather and climate

Weather	Weather refers to the day-to-day changes in the atmosphere
Climate	Climate is the average atmospheric conditions found in a given area.
Extreme weather	is any weather that is unusual or unexpected. This can be severe or unseasonal weather. In the UK, warnings are issued if extreme weather is expected
Precipitation	Moisture that falls from the air to the ground. Includes rain, snow, hail, sleet, drizzle, fog and mist.

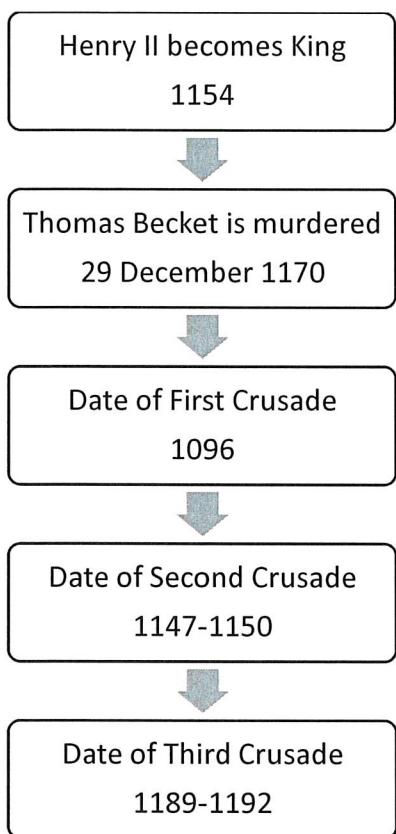


1. Energy from the Sun heats the surface of the Earth. Water is evaporated from oceans, rivers, lakes, etc. The warm, moist air rises because it is less dense.
2. Condensation occurs when water vapour is turned back into water droplets as it cools down. Clouds are formed.
3. Precipitation occurs as water droplets get bigger and heavier they begin to fall as rain, snow and sleet, etc.
4. When the precipitation reaches the sea, but other water falls on land.



How did Religion cause tension in the Middle Ages?

Timeline



Key Terms:

Episcopal - means the governing order of Bishops/clergy in the Church hierarchical structure.

Doom Paintings –

State -

Crusades – A series of religious wars between Christians and Muslims started to secure control of holy sites they both consider sacred

Papal Bulle – an official document signed by the Pope.

Jihad – a holy war waged by Muslims against those who reject the Muslims' teachings – it means a struggle.

State -

Divine Right of Monarchs – Excommunication - Officially exclude someone from the Church. Outremer - The

Crusader states- Four Catholic realms in the Middle East that lasted from 1098-1291. Pilgrimage – a journey of religious meaning. Excommunication - Officially exclude someone from the Church.

The Story: In Medieval times the Church was very influential. It held the power to enable people to go to Heaven. Peasants had to pay a tithe of 10% to the Church. The Church used Doom Paintings to show the horrors of Hell and keep people in its control. The Church ran hospitals and provided charity in times of need. It crowned the King as it was believed that Monarchs had 'Divine Right' at this time.

There were tensions however, between Crown and State and this was shown most visibly in the case of Thomas Becket's murder and the relationship between Becket and King Henry II.

Jerusalem was the centre of the 'Holy Land' it was an important place of Pilgrimage for Christians, Muslims and Jews. In 1071 the Seljuk Turks took over Jerusalem and began treating Christians badly. This led to Pope Urban II imploring European Christians to go on Crusades (Holy Wars) to rescue the Christians in the Holy Land. The Pope promised people that if they went on Crusade their sins would be forgiven and they would go to Heaven.

The Key Individuals





Spring	Revision	Assessment Series 1	Application of Number	Directed Number	Fractional Thinking
			Problem solving with multiplication and division Fractions and percentages of amounts	HALF TERM	Operations and equations with directed number Addition and subtraction with fractions

Keywords – Solving problems with multiplication and Division**Multiples:** found by multiplying any number by positive integers**Factor:** integers that multiply together to get another number.**Mil:** prefix meaning one thousandth**Centi:** prefix meaning one hundredth**Kilo:** prefix meaning multiply by 1000**Quotient:** the result of a division**Dividend:** the number being divided**Divisor:** the number we divide by**Mean:** the mean is the total of all the scores or amounts, divided by how many scores or amounts there were.Multiplication methods

Grid method

H	T	O
1	8	7
x	9	
9		

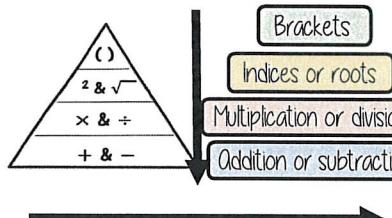
Long multiplication (column)

Less effective method especially for bigger multiplication

Repeated addition

Multiplication with decimalsPerform multiplications as integers
e.g. 0.2×0.3

2×3

Make **adjustments** to your answer to match the question:
 $0.2 \times 10 = 2$
 $0.3 \times 10 = 3$
Therefore $6 \div 100 = 0.06$ **Estimations:** Using estimations allows a 'check' if your answer is reasonableOrder of operations

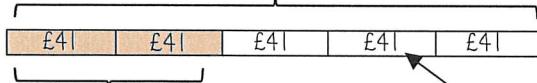
eg $10 - 3 + 5 \rightarrow 10 - 3 \rightarrow 7 + 5$

If you have multiple operations from the same tier work from left to right

Find the fraction of an amount (Mental methods)

Find $\frac{2}{5}$ of £205

£205 ← The bar represents the whole amount



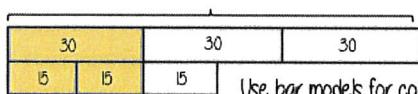
2 out of the 5 equal parts

$2 \times £41 = £82$

$£205 \div 5 = £41$

Each part of the bar model represents £41.

90



Use bar models for comparisons

$\frac{1}{3} \text{ of } 90 = 30$

45

$\frac{2}{3} \text{ of } 45 = 30$

$\therefore \frac{1}{3} \text{ of } 90 = \frac{2}{3} \text{ of } 45$

Keywords – Fractions and Percentages of Amounts**Numerator:** the number above the line of a fraction, showing the number of parts of the whole**Denominator:** the bottom number in a fraction showing the number of parts the whole is divided into**Percentage:** parts per 100 (uses the % symbol)**Convert:** change into an equivalent representation, often fraction to decimal to a percentage cycleDivision methods

Short division **5 1 2**
 $3584 \div 7 = 512$ $7 \overline{)3\ 3\ 5\ 8\ 4}$

Complex division
 $\div 24 = \div 6 \div 4$
Break up the divisor using factors

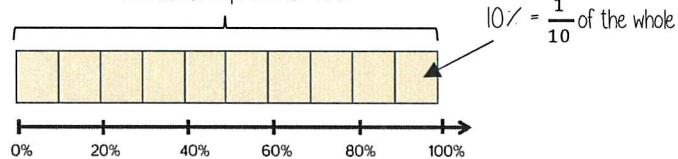
Division with decimals

The placeholder in division methods is essential – the decimal lines up on the dividend and the quotient

$$24 \div 0.02 \longrightarrow 24 \div 0.2 \longrightarrow 240 \div 2$$

All give the same solution as represent the same proportion
Multiply the values in proportion until the divisor becomes an integerFind the percentage of an amount (Mental methods)

The whole represents 100%

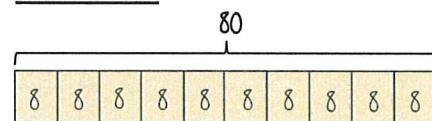


$10\% = \frac{1}{10} \text{ of the whole}$

$50\% = \frac{5}{10} = \frac{1}{2} \text{ of the whole}$

$20\% = \frac{2}{10} = \frac{1}{5} \text{ of the whole}$

$5\% = \frac{1}{20} \text{ of the whole}$

Find 65% of 80

Method 1
 $65\% = 10\% \times 6 + 5\% = (8 \times 6) + 4 = 52$

Method 2
 $65\% = 50\% + 10\% + 5\% = 40 + 8 + 4 = 52$

For bigger percentages it is sometimes easier to take away from 100%

Theme and Variation

Theme and Variation - Key Words

Theme - the main, and recognisable, **melody** of a piece of music or song, it is easily remembered.

Variation - altering or changing the **theme** of a piece of music, while keeping some of the main elements such as notes or structure.

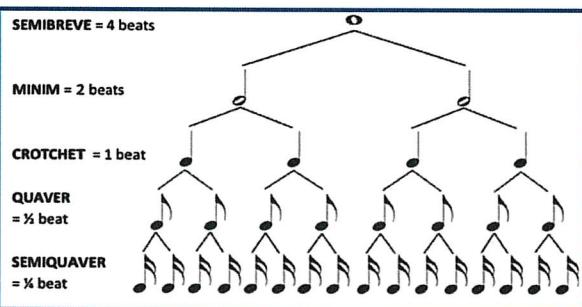


Inversion and Retrograde

Inversion - changing the intervals (gaps) between the notes so they are upside down

Retrograde - playing the main theme backwards

Retrograde inversion - playing the inverted theme backwards



Augmentation and Diminution - Note Values and Duration

Augmentation - the process of **doubling** the duration of the note values in a theme.

Diminution - the process of **halving** the duration of the note values in a theme.

Variation Techniques

- **Pitch** - changing how high or low the theme is - play the same notes at different pitches: in octaves.
- **Tempo** - change the speed: faster or slower
- **Dynamics** - change the volume: play it louder or softer
- **Texture** - change the amount of parts: play it **solo**; add an **accompaniment** or **chords**; add a **counter melody** (an extra **melody** played at the same time)
- **Timbre/Sonority** - change the sound; play it on a different instrument
- **Articulation** - change how it is played: **staccato** or **legato**
- **Pedal** - a very long held note in the **bass line** under the main theme
- **Drone** - a long or repeated set of notes using the **tonic** (note 1) and **dominant** (note 5) notes together
- **Melodic Decoration** - adding extra notes to the theme to decorate it
- **Ostinato** - adding a repeated musical pattern to the theme
- **Canon** - different performers performing the theme but starting at different times
- **Ground Bass** - a repeated musical pattern in the bass part

Support

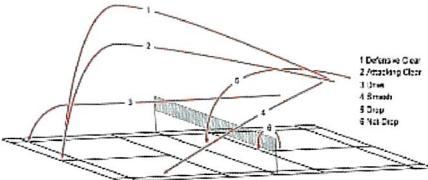
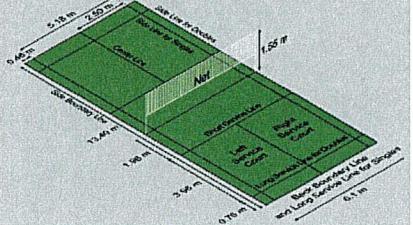
How to create a successful theme and variation piece?



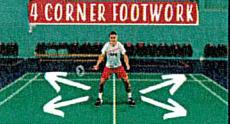
How many ideas from this video could you use in your theme and variation composition?



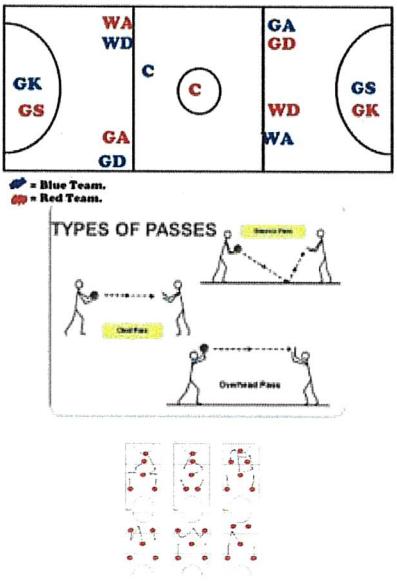
PE Knowledge Organiser- HT3 Badminton

KEYWORDS			Unit Overview
Smash- Hit with power and speed downward into the opponent's court.			Grip and ready position: To be able to demonstrate & use the correct grip and ready position.
Backhand- Hit with the back of the hand leading.			forehand clear: The forehand clear shot enables players to move their opponent to the back of the court. This will create space in the mid and front court to exploit and provide time for the player to return to their base position.
Overhead Clear- Defensive shot allowing time to recover by moving their opponent and increasing the amount of time the shuttle is in the air.			forehand drive: The forehand drive is an attacking shot that is usually played from the sides of the court when the shuttlecock has fallen too low for it to be returned with a smash.
Baseline- Back boundary line at each end of the court, parallel to the net,			Forehand Drop shot: To be able to outwit opponents using simple drop shot. Teaching points; deception, low over net & use of angles.
Service Line- The first horizontal line on each side of the court, closest to the net.			Forehand Smash: To understand the importance of movement and preparation for an effective smash. Teaching points: Shuttle in front of head, Snap wrist, Aim towards ground
Drop Shot- Hit the shuttle downwards aiming for it to just go over the net.			Basic Serve: The badminton serve is the shot selected to begin the point. The serve must be hit from behind the service line and travel diagonally from one side of the court into the opposite service box.
Accuracy- The ability to control movement in a given direction or at a given intensity.			

SUPPORT							
Four types of service		Overhead Clear Tutorial		Single Rules		Doubles Rules	

WHAT DO YOU THINK?							
What is the best and most accurate way to perform a forehand shot in badminton?							
				How does footwork benefit a performer in Badminton?			
How can I use different tactics to develop my badminton game?							

PE Knowledge Organiser- HT3 Netball

KEYWORDS			Unit Overview		
			Rule	Explanation	Consequence
Accuracy- the ability to perform movements with skill and precision.			Obstruction	Standing closer than 3ft	Penalty pass, stand by opponent's side
Co-ordination- the ability to use two or more body parts together			Contact	Contacting opponent	Penalty pass, stand by opponent's side
Agility- the ability to change direction at speed			Footwork	Re-grounding landing foot when in possession	Free pass
Man to man marking- each player is assigned a player to defend and track all their movements.			Replaying the ball	Bouncing ball or picking up 'lost' ball	Free pass
Rebound- a player attempts to score a goal by shooting but the ball hits the goalposts and bounces back into play.			Holding	Holding the ball for more than 3 seconds	Free pass
Centre pass- The first centre pass within the centre circle of the court is decided between the two captains by the toss of a coin. The centre passes then alternate between the teams, regardless of which team has scored. Every time there is a goal, the ball returns to the centre where the centre position passes the ball.			Offside	A player entering an area they aren't permitted to	Free pass from off-side infringement
			Over-a-third	Ball passing over two transverse lines	Free pass from second line
			Breaking	Moving into centre third at centre pass before whistle	Free pass from place of infringement

SUPPORT							
Four types of service		Overhead Clear Tutorial		Single Rules		Doubles Rules	

WHAT DO YOU THINK?	
How would I be able to lose my defender when trying to move into space?	
Think about the 7 different positions in netball and who they would be marking.	
	
How do I know what pass best suits my situation?	

KEYWORDS		Unit Overview						
<p>Dynamics- How the dancer moves. For example fast/slow, strong/light.</p> <p>Relationships- The interaction with other dancers through contact or gestures.</p> <p>Projection- A confident presentation of one's body and energy to vividly communicate movement and meaning to an audience.</p> <p>Elevation- The bodies propulsion into the air away from the floor, such as a leap, hop or jump.</p> <p>Unison- when two or more dancers perform exactly the same movements at exactly the same time.</p> <p>Canon-choreographic form in which individuals perform the same movement/phrase beginning at different times.</p> <p>Mirroring- imitating qualities of movements in a dance.</p>	 	<table border="1"> <tr> <td>Expressive skills</td> <td>Physical skills</td> <td>Technical skills</td> </tr> <tr> <td>Projection. Focus. Spatial awareness. Facial expression Phrasing Musicality Sensitivity to other dancers Communication of choreographic intent</td> <td>Posture Alignment Balance Coordination Control Flexibility Mobility Strength Stamina</td> <td>Action Space Dynamics Relationships Timing Rhythmic content Moving in a stylistically accurate way</td> </tr> </table> 	Expressive skills	Physical skills	Technical skills	Projection. Focus. Spatial awareness. Facial expression Phrasing Musicality Sensitivity to other dancers Communication of choreographic intent	Posture Alignment Balance Coordination Control Flexibility Mobility Strength Stamina	Action Space Dynamics Relationships Timing Rhythmic content Moving in a stylistically accurate way
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SUPPORT- types of dances					
SALSA dance		STREET dance- diversity		BALLET- swan lake	

WHAT DO YOU THINK?
How can a performer make their movements look more aesthetic?
Can you name the five key concepts that make up a dance performance?
What components of fitness are beneficial for a dancer?

CHAPTER 4:

DESERT TO GARDEN

Knowledge organiser

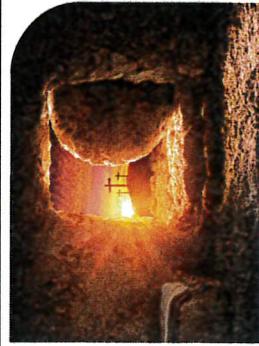
Key vocabulary

Paschal Mystery	The belief that Jesus' death and resurrection bring salvation to every human being.
sacrament	Visible signs of God's grace that make real what they symbolise; also the name given to the ceremonies that contain these signs.
Passover	A Jewish festival that celebrates God saving the Jewish people from slavery in Egypt.
Eucharist	The sacrament in which Catholics receive the body and blood of Christ; also called Holy Communion, the Lord's Supper, the Breaking of the Bread and Mass.
Sacrifice of the Mass	The belief that Jesus' sacrifice is really made present to Catholics during the Eucharist.
transubstantiation	The process by which the bread and wine actually become the body and blood of Jesus at the moment of consecration.
Holy Communion	Another name for the Sacrament of Eucharist.
Lord's Supper	Another name for the Sacrament of Eucharist.
Blessed Sacrament	A term that refers to the body and blood of Jesus in the Eucharist.

OPTIONS

Ethical	The world food crisis presents Catholics with an ethical and religious duty to help those most affected. The Eucharist commits Catholics to serve the poor, and Bishop Theotonius Gomes reminds Catholics that providing basic needs is a way to treat others with respect and dignity.
Artistic expression	The Sacrament of the Eucharist and the Last Supper are two common themes in Catholic art. Different artists focus on different aspects of the sacrament. For example, <i>Life of Jesus Mafa</i> : <i>The Last Supper</i> shows Jesus and the apostles as African men in an everyday environment. <i>Last Supper</i> by Pascal Dagnan-Bouveret is a more traditional painting of the Last Supper.
Lived Religion	One way in which Catholics show their devotion to the Real Presence of Jesus is by holding Eucharistic processions . In these, the Blessed Sacrament is carried in a procession around a holy site. These processions vary between countries as they are influenced by local customs and traditions.

The Paschal Mystery



- For the Catholic Church, the term 'Paschal Mystery' means three things:
- The **actual events** of Jesus' arrest, trial, death on the cross and resurrection from the dead.
 - The **significance of those events**: Catholics believe that Jesus' death on the cross frees human beings from sin, and that his resurrection opens the way to a new life with God.
 - The idea that Jesus' death and resurrection are **made present in the life of the church today**. They can be experienced by Catholics most directly in the celebration of the Mass and in the seven sacraments.

The seven sacraments



- **Sacraments are visible signs of God's grace**. These religious ceremonies make God's invisible, saving power visible and present to those who receive it.
- Catholics must receive the three **Sacraments of Initiation** to become a full member of the Church: Baptism, Confirmation and Eucharist.
- The **Sacraments of Healing** are Reconciliation and the Anointing of the Sick.
- The **Sacraments at the Service of Communion** are Holy Orders and Matrimony.
- Catholics believe the sacraments **nourish and strengthen their faith**.

The Sacrament of the Eucharist...

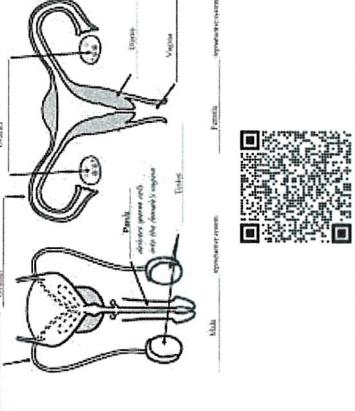
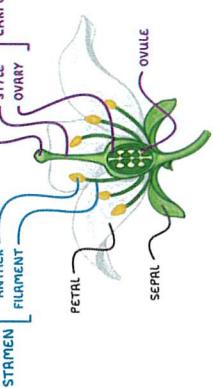
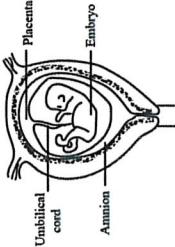
...and its significance

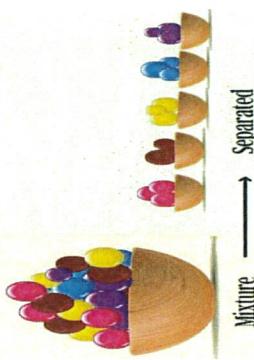
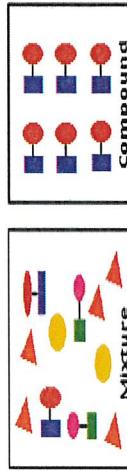
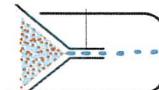
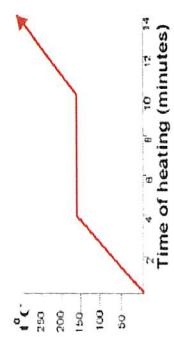
- The Eucharist is **significant** as it can bring a person closer to God, strengthen faith, and provide forgiveness and protection from sin. It unites Catholics together as the Church, and commits Catholics to serve the poor.
- The **Last Supper** was a meal that Jesus shared with his disciples to celebrate the Jewish Passover. During this meal, Jesus **instituted the Sacrament of the Eucharist**.
- Catholics believe that when they celebrate the Eucharist today, the events of the Last Supper and the sacrifice Jesus made become **really present** for them in the Mass.
- Jesus' sacrifice is **foreshadowed** in the first Passover meal described in the Old Testament.
- Jesus is **present** in the Mass in four ways: in the assembly of the faithful, in the reading of the scripture, in the person of the priest, and in the Blessed Sacrament.
- Most Christians around the world agree that Jesus is present in the Eucharist, but they may have **different views** on how this happens. For example, most Anglicans believe that Jesus is really **spiritually present**. Some Christians (such as Baptists) do not believe in the Real Presence of Jesus, and instead believe that the Eucharist is about commemorating the Last Supper.

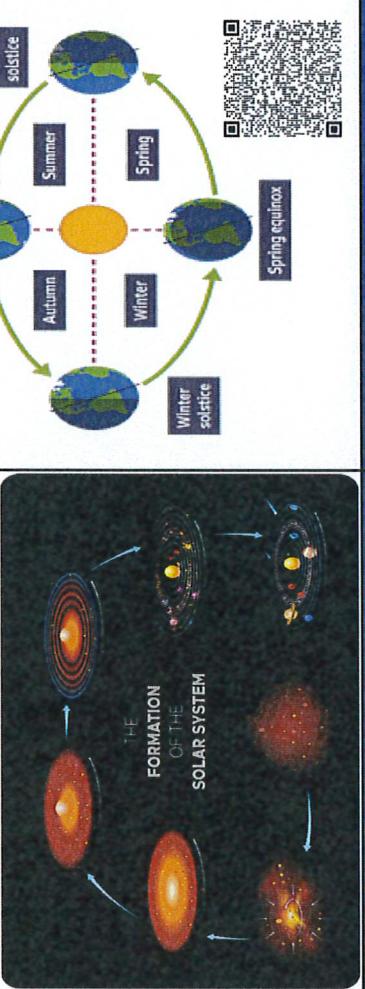


KEYWORDS	<p>ACID - A solution with a pH below 7</p> <p>ALKALI - A solution with a pH above 7. It is a soluble base</p> <p>BASE - A substance that neutralises an acid</p> <p>UNIVERSAL INDICATOR - An indicator that changes colour to show the pH of a solution</p>	<p>INDICATOR - A substance that changes colour to show whether a solution is an acid or an alkali</p> <p>NEUTRAL - A substance that is neither acid or alkali. It has a pH of 7</p> <p>NEUTRALISATION - The process where an acid cancels out a base or a base cancels out an acid</p> <p>DILUTE - A solution with a small number of soluble particles per unit volume</p>	<p>Acids and Alkalis</p> <p>An acid has a pH of below 7 and contains H+ ions</p> <p>An alkali has a pH of above 7 and contains lots of OH- ions</p> <p>Some acids and alkalis are corrosive.</p> <p>Knowledge Understanding Equipped</p> <p>In this unit you will learn:</p> <ul style="list-style-type: none"> • Acids and Alkalies • Indicators and pH • Neutralisation • Acid Strength • Making salts <p>Link to Kerboodle</p>
SUPPORT			
pH Scale	<p>The pH scale measures how acidic or alkaline something is.</p> <p>Universal Indicator pH solution</p> <p>less than 7 is acidic</p> <p>exactly 7 is neutral</p> <p>more than 7 is alkaline</p>	<p>Indicators</p> <p>Red and Blue Litmus Paper</p> <p>In acid – blue paper turns red</p> <p>In alkali – red paper turns blue</p> <p>Universal Indicator</p> <p>A type of indicator that tells you how acidic or alkaline a solution is. It turns a different colour at each pH.</p>	<p>Neutralisation and Making Salts</p> <p>neutralization</p> <p>Different acids produce different types of salt:</p> <ul style="list-style-type: none"> • hydrochloric acid produces metal chlorides • sulfuric acid produces metal sulfates • nitric acid produces metal nitrates <p>e.g. sodium hydroxide + hydrochloric acid → sodium chloride + water</p> <p>copper oxide + sulfuric acid → copper sulfate + water</p>
WHAT DO YOU THINK?	<p>What pH would sulfuric acid have?</p>	<p>What is a strong acid?</p>	<p>Can you name any other indicators apart from the ones shown here?</p> <p>What would be the products of the neutralisation reaction between zinc oxide and nitric acid?</p> <p>What is the best way to neutralise a bee sting?</p>

KEYWORDS	UNIT OVERVIEW							
	Science Year 7 – Cells Knowledge Understanding Equipped	In this unit you will learn:						
CELL – The smallest functional unit of an organism, the building block of life	MICROSCOPE – An optical instrument used to magnify objects to see their detail more clearly	<ul style="list-style-type: none"> Observing cells- Microscopes and Microscope Calculations Plant and animal cells Specialised Cells Movement of substances Unicellular organisms Link to Kerboodle						
RESPIRATION - A chemical reaction that convert glucose and oxygen into carbon dioxide and water releasing energy	UNICELLULAR ORGANISM – An organism consisting of only one cell which has no fixed shape	<ul style="list-style-type: none"> ORGANELLE – A structure found inside a cell that performs a particular role. 						
DIFFUSION – The movement of particles from an area of high concentration to an area of low concentration	ORGANELLE – A structure found inside a cell that performs a particular role.	<ul style="list-style-type: none"> SPECIALISED CELL – A cell whose shape and structure enables it to perform a particular function 						
MAGNIFICATION - The ability of a microscope to produce an image of an object at a scale larger (or even smaller) than its actual size.								
SUPPORT								
	Specialised cells Specialised cells have specific features that allow them to do a specific job or function.	<p>Euglena</p> <p>Amoeba</p> <p>Unicellular organisms</p>						
	How to use a microscope Magnification = eyepiece lens x objective lens	<p>Diffusion</p> <p>Movement in and out of cells</p> <p>Particles move in and out of cells by diffusion. During diffusion, particles spread out from where they are in high concentration to where they are in low concentration.</p>						
		<p>WHAT DO YOU THINK?</p> <table border="1"> <tr> <td>How do you prepare a microscope slide of a plant cell?</td> <td>How are the specialised cells above adapted for their function?</td> <td>What are the functions of all of the animal and plant cell organelles?</td> </tr> <tr> <td></td> <td>Can you give some examples of where diffusion happens in animals and plants?</td> <td>What is Binary Fission?</td> </tr> </table>	How do you prepare a microscope slide of a plant cell?	How are the specialised cells above adapted for their function?	What are the functions of all of the animal and plant cell organelles?		Can you give some examples of where diffusion happens in animals and plants?	What is Binary Fission?
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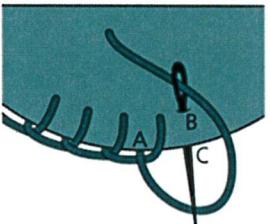
KEYWORDS		Male & Female Reproductive Organs	UNIT OVERVIEW
ADOLESCENCE – The period of time when a child changes into an adult	OVULATION – The release of an egg from the ovary		Science Year 7 – Reproduction Knowledge Understanding Equipped In this unit you will learn: <ul style="list-style-type: none">physical and emotional changes of reproductive organs.FertilisesDevelopment of a baby.Plant reproductionPollination & germination.different methods of plants seed dispersal Link to Kerboodle 
FERTILISATION – When the nucleus of a sperm joins with a nucleus of an egg	PLACENTA – Organ where substances pass from mothers' blood to foetus blood. Acts as a barrier and can stop some harmful substances passing		
GAMETES – Reproductive (sex) cells. Male is sperm. Female is egg.	PUBERTY – The physical changes that take place during adolescence		
MENSTRUAL CYCLE – Monthly cycle where the uterus builds up and then breaks down if egg is not fertilised	SEED DISPERSAL – movement of seeds away from the parent plant		
SUPPORT		Germination and Seed Dispersal	
Changes During Puberty	Development of Foetus		 
			 
What are the changes to girls during puberty?	What are the changes to boys during puberty?	Must know umbilical cord, placenta and fluid sac	Must know Day 1 period, day 14 ovulation
What are the advantages of plants cross pollinating?	What is the role of the Umbilical cord?	Describe the stages of the menstrual cycle.	What are the advantages of plants cross pollinating?

KEYWORDS	DEFINITION	UNIT OVERVIEW	
		Separation techniques	
CHROMATOGRAPHY – Technique to separate mixtures of liquids that are soluble in the same solvent	MIXTURE – A substance where the components are not all chemically bonded	 <p>Mixture → Separated</p>	Science Year 7 – Separation techniques Knowledge Understanding Equipped In this unit you will learn: <ul style="list-style-type: none"> Pure and impure Mixtures Vs Compounds Solute Vs Solvent Separation techniques Chromatography Link to Kerboodle 
COMPOUND – A molecule of different types of atoms chemically bonded together	PURE SUBSTANCE – A substance is pure if it has no other substance mixed with it (e.g. O ₂ or CO ₂)		
EVAPORATION – Process of a liquid turning to a gas	SOLVENT – The liquid in which a solid or gas dissolves		
FILTRATION – Separating an insoluble solid from a liquid	SOLUTE - The solid or gas that dissolves in a liquid		
SUPPORT		SEPARATION TECHNIQUES	
Pure & Impure substances		Mixtures and compounds 	Separation techniques Filtration - Know how to separate soluble and insoluble substances 
			Must know the difference between mixtures and compounds 
How can you easily identify a pure substance?		What is the difference between a solvent and a solute?	How would you separate a mixture of salt and sand? Why in chromatography must the base line be drawn in pencil? How would you separate salt from water?

KEYWORDS	UNIT OVERVIEW		
	The Night Sky	Science Year 7 - Space Knowledge Understanding Equipped	In this unit you will learn:
ASTEROID – Lumps of rock orbiting the Sun left over from when the Solar System formed	HEMISPHERE – Half of the Earth either from the North Pole to equator or South Pole to equator		The Night Sky Solar System The Earth The Moon
AXIS – Imaginary line the Earth spins on	SATELLITE – An object that circles a planet, can be natural (moon) or artificial (ISS)		Link to Kerboodle
ELLIPSE – A squashed circle or an oval shape	SOLAR SYSTEM – The Sun and the planets and other bodies that orbit around it		
GALAXY – A number of stars in a galaxy and the solar systems that surround them	TOTAL SOLAR ECLIPSE – An eclipse where the Sun is covered by the Moon		
SUPPORT			
Solar System. Our Solar System consists of 8 planets, four inner terrestrial planets made of rock, and four outer gas giants.	How the Solar System formed. Scientists think that gravity pulled dust, rock and gas together to form our Sun and the planets formed from a disc of gas and dust surrounding the Sun.	 	Seasons Seasons on earth are caused by the tilt of the Earth as it orbits the Sun. 
Can you explain why the seasons in the southern hemisphere occur in different months to the northern hemisphere?	Can you describe how rocky and gaseous planets formed in the Solar System?	Do you know what a light year is?	Can you recite all the phases of the moon starting with a full moon?
Can you state which objects in the sky can be seen with the naked eye and which need a telescope to be seen?	Can you state which objects in the sky can be seen with the naked eye and which need a telescope to be seen?		

Spanish Year 7 Term 2 - Family, people and places!

Key vocabulary	To be	Phonics	Connectives																											
Key verb HACER [to do]: Hago – I do Haces – you do Hace – he/she/it does	Key vocabulary: la actividad – the activity los deberes – homework el deporte – sport el dibujo – drawing	Key vocabulary: Key vocabulary: - Cómo – how - Cuándo – when - Para – for	La mañana – morning La noche – night La tarde – afternoon, evening																											
Key verb Poder [can / to be able to]: Puedo – I can / I am able to Puedes – you can / you are able to Puede – he, she, it can / is able to	Key vocabulary: Cambiar – to change, changing Jugar – to play, playing Participar – to participate, participating Pedir – to ask for, asking for Preguntar – to ask, asking	Key vocabulary: Key vocabulary: - Cómo – how - Cuándo – when - Para – for	El compañero – classmate (m) / classmate (f) El favor – favour El material – material																											
Key verb Deber [must/ have to]: Debo – I must, have to Debes – you must, have to Debe – he/she/it must, have to	Key vocabulary: Lavar – to wash, washing Limpiar – to clean, cleaning Sacar – to take out, taking out	Extra vocabulary <table border="1"> <tr> <td></td> <td>Palabras Claves</td> </tr> </table>		Palabras Claves	La basura – rubbish El coche – car La ropa – clothes El suelo – floor																									
	Palabras Claves																													
Conjugating -ar verbs: <table border="1"> <tr> <td>I</td> <td>Llegar [to arrive]</td> </tr> <tr> <td>You</td> <td>Llego</td> </tr> <tr> <td>He/she/it</td> <td>Llegas</td> </tr> <tr> <td>We</td> <td>Llega</td> </tr> <tr> <td>You all</td> <td>Llegamos</td> </tr> <tr> <td>They</td> <td>Llegan</td> </tr> </table>	I	Llegar [to arrive]	You	Llego	He/she/it	Llegas	We	Llega	You all	Llegamos	They	Llegan	Key -ar verbs: <table border="1"> <tr> <td>- Buscar – to look for / looking</td> </tr> <tr> <td>- Descansar – to rest / resting</td> </tr> <tr> <td>- Pasar – to spend (time)</td> </tr> <tr> <td>- Preparar – to prepare / preparing</td> </tr> <tr> <td>- Trabajar – to work</td> </tr> </table>	- Buscar – to look for / looking	- Descansar – to rest / resting	- Pasar – to spend (time)	- Preparar – to prepare / preparing	- Trabajar – to work	Vocabulary <table border="1"> <tr> <td> </td> <td>El animal – animal</td> </tr> <tr> <td>ñ</td> <td>El campo – countryside</td> </tr> <tr> <td>j</td> <td>La comida – food</td> </tr> <tr> <td>z</td> <td>El tiempo – time</td> </tr> <tr> <td>v</td> <td>Junto – together</td> </tr> </table>		El animal – animal	ñ	El campo – countryside	j	La comida – food	z	El tiempo – time	v	Junto – together	Solo – alone Otro – another, other Si – if Debajo de – under Delante de – in front of Detrás se – behind Fuera de – outside of
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		  Scan me!																												

KEYWORDS	Year 7 Knowledge Organiser-Textiles.	Unit Overview
<p><i>Threading a needle-Preparing your needle for sewing.</i></p> <p><i>Eye of the needle-The hole which you thread your thread through.</i></p> <p><i>Sewing-The process of stitching 2 pieces of fabric together by hand.</i></p> <p><i>Running stitch/ Blanket stitch-2 different stitches used for hand sewing</i></p> <p><i>Sewing on the spot-The techniques used to stop your work from unravelling.</i></p> <p><i>Client brief-A list of instructions from the client to the designer.</i></p> <p><i>Target audience-The group of people you want to buy your product.</i></p>	<p>Blanket stitch</p>  <p>Running stitch</p> 	<p>Design and create a hand puppet using felt, adding additional features such as hair, clothes etc.</p> <p>You will use the running stitch or blanket stitch to hand sew your work.</p> <p>The puppet must be aimed at a particular target audience.</p> 

WHAT DO YOU THINK?
Why is it important to interpret a client brief properly?
Why would a designer NOT target a product to "anyone/everyone."
Why might you use a blanket stitch over a blanket stitch?
What are the steps to stop our work from unravelling?

SUPPORT	
Our Textile World-Find out why we study Textiles and what careers it could lead to.	 SCAN ME
How to do the blanket stitch	 SCAN ME
How to do the running stitch	 SCAN ME