# WINTERSTOKE HUNDRED ACADEMY

# Knowledge Organisers



## Term 5 and 6 Year 7

# Contents



# How to revise

#### Successful Learning Takes Place Over Time



It's rare for anyone to be completely comfortable with something they learn for the first time. This could be a new piece of music, dance move, language or chemistry. We all have to practice. In most instances, the aim is to be at your optimum on the day it matters, e.g. the performance, race or exam. Everything leading up to this point is part of the process of improving. It's about the long-term rather than the short-term, which also means there are no quick fixes. During this period, it's okay to make mistakes; it's okay to feel frustrated. What matters is what you do about it.

#### Space out your learning on a subject



Spacing out your learning over time is far more effective than last-minute cramming. This is based on research into how we forget and how we remember. The speed at which we forget something will depend on many factors such as the difficulty of the material, how meaningful it was to us, how we learned it and how frequently we relearn or remember it. The last factor tells us that when we learn something for the first time, we need to review it quickly afterwards. The more times we force ourselves to remember something, the longer the gap between reviews, which the diagram below illustrates nicely. The Leitner system and Cornell Notes mentioned earlier provides a wonderful way of achieving this, but the principle applies to all of the learning strategies mentioned in this booklet



## **Revision strategies**

List It

This is a simple free recall task that is very versatile. It can feel challenging, but this is a good thing, and it provides clear feedback on what you do and don't know. Choose a topic, set yourself a time limit and...

- List as many keywords as you can
- List as many facts as you can
- List as many key events/quotes/individuals as you can
- List as many causes of X as you can
- List as many consequences of Y as you can

Flashcards

Flashcards have the potential to be a powerful learning aid. However, how successful this is will depend on the thought you put into making them in the first place and then how they're used. It's very important to remember that they're for testing, not summarising

#### Mapping

Mapping is a brilliant way of organising and learning information, demonstrated on various pages in this booklet. It helps you break down complex information, memorise it, and see the connections between different ideas.

#### Self-testing

Research has shown that every time you bring a memory to mind, you strengthen it. And the more challenging you make this retrieval, the greater the benefit. Self-testing improves the recall of information, transfer of knowledge and making inferences between information. Equally, there are many indirect effects, such as a greater appreciation of what you do and don't know, which helps you plan your next steps.



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## Flashcards

Flashcards are small sheets of paper or card with matching pieces of information on either side. They are a useful tool for learning facts and allow you to quickly check whether you have remembered something correctly.

#### When making and using flashcards:

#### Do:

- ✓ …make flashcards quickly.
- ...put a single piece of information of each flashcard.
- …sort your flashcards according to your confidence with them (see below).
- …test yourself on the flashcards from memory.

- Don't:
- X ...spend more time making flashcards than actually using them.
- X ...put lots of information onto each flashcard.
  - ...revise the flashcards in the same order every time that you use them.
  - ...only read through flashcards.

1861	groynes	osmosis	Where is the pharmacy?
Pasteur published his paper about germ theory.	A low wall on the coastline which slows longshore drift	Net movement of water from a high concentration to low concentration across a partially permeable membrane	Où est la pharmacie?

#### How to make flashcards:

- You can by a set of flashcards or use a free website such as Quizlet.
- Find the information you want to put onto flashcards using your existing revision resources (e.g. a knowledge organiser).

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- •Fold a piece of A4 paper into 10.
- •Write the questions on the top half of the paper.
- •Write the answers on the bottom half of the paper.
- •Cut the paper along the dotted lines shown here.
- •Fold the strips of paper so that the writing is on either side.

Definition 1	Definition 2	Definition 3	Definition 4	Definition 5
Answer 1	Answer 2	Answer 3	Answer 4	Answer 5

#### How to use flashcards:

- 1. Test yourself using the flashcards.
- 2. As you test yourself, sort the flashcards into up to five piles according to how confident you are with the content.
- 3. Put the piles into numbered envelopes (1-5).
- 4. Test yourself on the different piles on different days (see below):



5. As you test yourself on the different piles, move the cards into different piles as you become more confident



#### **Useful resources:**

www.quizlet.com – This free website allows you to quickly create flashcards which you can print, use on a computer, or use on your phone.



English The Tempest		
🌮 Key Vocabulary 1 🔯		
Tempest - a violent, windy storm 🛛 🛼	Liberty - being free and able to act as one pleases	
Tempestuous – word to describe strong	Supernatural – something beyond scientific understanding	
or conflicting emotions		
Obedience - demonstrating	Vengeance - harming someone because they have harmed	
submission to another's authority	you	
<b>Rebellious</b> - showing a desire to resist authority	Betrayal - breaking someone's trust	
Authority – the power to give orders	Colonialism – the process of taking over a land and its people	
Savage - fierce, violent, uncontrolled	Vindictive- an unreasonable desire for revenge	
Usurp – to take over someone's position of power without	<b>Exile</b> – to be sent away from an area and not allowed to	
having a right to do so	return	

Language Features	Literary Techniques	
Adverbial phrases - a phrase that modifies other words by explaining why, how, where, or when an action occurred e.g. At the beginning of the story, Raphael makes a discovery.	<b>Motif-</b> an image or idea that repeats itself in a text or piece of music	
Adjectives - describes a noun.	Symbolism- when an image represents an idea	
<b>Tenses</b> - past: I lived in the UK; present: I live in the UK; future: I will live in the UK.	Metaphor – a comparison between two things where one item is identified as being something else Rhetoric – the art of persuasive speaking	
<b>Exclamations</b> - sentences that show strong feelings. They often use an exclamation mark. !		
Verbs - a doing word.	Imagery- when words and phrases make you visualise	
Adverbs - describes a doing word.	Metre- the rhythmic structure to a line of poetry	
Interrogative sentences - these ask a question e.g. How are you?	Rhyme- when words sound the same	

Key Vocabulary 2 🦻		
Forgiveness- to release feelings of vengeance or	<b>Patriarchy</b> – a system of society where men are in power e.g.	
resentment; to show mercy	fathers, brother, husbands rule over women	
Native –a person born in a place and is designated as	Civilised- considered to be more acceptable in society than	
coming from there	others in terms of behaviour and manners	
British Empire – countries colonised by Britain and ruled by Britain from the 1400s to 1940s		
Context		
The Age of Exploration (also called the Age of Discovery) began in the 1400s when the European nations began		
exploring the world. They discovered new routes to India	a, much of the Far East, and the Americas and was an example	
of colonialism (where countries took over control of the new countries they discovered).		
The Tempest probably was written in 1610–1611 and is most likely the last play written entirely by Shakespeare.		
In The Tempest almost every character thinks about how he would rule the island if he were its king. Shakespeare		
seems also to have drawn on an essay called "Of the Can	inibals," for Prospero's servant-monster, Caliban, seems to be	
an anagram of "Cannibal."		

English	The	Tempest			
	Play Terminology 1 🎢				
Shakespeare - Famous	Theatre -	Character - a person in a	Audience - the people who		
playwright and poet	a building/area where plays	story, play or film	watch a play or performance		
who lived in the	are performed	0-00-0 170-70			
16th Century		<u>67070</u>			
Playwright - someone	Stage Directions - instruct	Stage - the raised floor	<b>Costume</b> - a set of clothes		
who writes plays	how an actor should act	where the actors perform	worn by an actor for a		
			certain roll		
Act - a section of a play (sort	Scene - a section of an act.	Performance - the act of	Rehearsal - practice		
of like a chapter)	Takes place in one fixed time	presenting a play to	run through of a play		
	or setting.	an audience			

English	The	Tempest	
	Play Term	ninology 2 🔗	
Soliloquy - a speech	Aside - a remark a character	<b>Dialogue</b> - when two or	Monologue - a long speech
a character makes to the	makes to the audience that	more characters speak to	by a character
audience	the other characters	each other	
	don't hear	ĂĂ	
<b>Epilogue</b> - the final scene of a story; a section or speech at		Masque -a type of festival or	entertainment involving
the end of a book or play that serves as a comment on or		singing, dancing, costume, co	mplex staging and the giving
a conclusion to what has happened.		of gifts. Popular in the 16th C	Century.
<b>Rhyming couplets</b> – Two adjacent lines of verse where the		Shakespearean Theatre	
final words of each line rhyme		- Plays that have the featur	res of a Shakespeare play,
		such as gender swapping,	, bawdy jokes and soliloquys.

Characters		
Prospero	The play's protagonist and father of Miranda. He was once the Duke of Milan but was <u>usurped</u> by his brother.	
Miranda	Prospero's daughter who has not lived amongst people since she was <b>exiled</b> with her father at the age of three.	
Ariel	Prospero's spirit helper. He is an inhabitant of the magical island. He was imprisoned in a tree by Sycorax the witch until Prospero arrived and freed him. Ariel has to be Prospero's servant in return.	
Caliban	He is another inhabitant of the island and Sycorax's son who is not fully human.	
Ferdinand and Alonzo	Ferdinand is Alonzo's son who is separated from his father during the tempest. Alonzo is the King of Naples.	
Antonio	Prospero's brother. He took over Milan and wanted Prospero and his daughter killed	
Stephano and Trinculo	Trinculo is a jester and Stephano is a servant of Alonzo's. They take advantage of Caliban and want him	
Gonzalo	An honest old lord and old friend of Prospero's	

## English



#### Plot

- A ship carrying the Duke of Milan and the King of Naples and his son is shipwrecked.
- All the crew and passengers survive but are lost on different parts of a magical island.
- Prospero, who uses the power of Ariel, a magical sprite, to create the tempest explains to his daughter that the people on the ship are old enemies of his who exiled him and his daughter many years ago.
- After his daughter falls in love with the King of Naples' son, Ferdinand, Prospero decides to forgive those who wronged him. He reveals himself to them and explains what happened to him when they exiled him.
- The King of Naples agrees that his son can marry Prospero's daughter and that Prospero can return to his previous life as Duke of Milan. Prospero frees his servant, Ariel and breaks his magic staff.



#### Time

Length

_		
	1 km =metres	1km = 1000 metres
	1m =centimetres	1m = 100 centimetres
	1cm =millimetres	1cm = 10 millimetres
	5 miles = kilometres	5miles = 8 kilometres

#### Mass/Weight

1kg =grams	1kg = 1000 grams
1 gram =milligrams	1 gram = 1000 milligrams
1 tonne =kilograms	1 tonne = 1000 kilograms

300g in kilograms	0.3kg	
4050g in kilograms	4.05kg	

#### Capacity/Volume

	1 litre = millilitres	1 litre = 1000 millilitres
-	1 litre =centilitres	1 litre = 100 centilitres
	$1 \text{ litre} = \cm^3$	$1 \text{ litre} = 1000 \text{ cm}^3$

30 minutes in hours	$\frac{30}{60} = \frac{1}{2} = 0.5$ hours	- 1
15 minutes in hours	$\frac{15}{60} = \frac{1}{4} = 0.25$ hours	-
20 minutes in hours	$\frac{20}{60} = \frac{1}{3} = 0.3$	
2.5 hours in minutes	60+60+30=150 minutes	
1 hour = minutes	60	- 1
2 hours = minutes	120	
Seconds in a minute	60	- 1
Seconds in an hour	3600	
Hours in a day	24	
Days in a week	7	



# Maths Properties of Shape & Symmetry

Equilateral triangle	All lengths equal	
Isosceles triangle	All angles 60° 2 lengths equal Base angles equal	
Right angled triangle	l right angle Can be isosceles too	
Scalene	No equal lengths or angles	

What properties does a rectangle have?	2 pairs of parallel sides	
What properties does a square have?	4 right angles 4 equal sides	-
what properties does a square nave.	4 right angles	
What properties does a parallelogram have	2 pairs of equal lengths No right angles	
What properties does a rhombus have?	4 equal sides No right angles	
What properties does a trapezium have?	l pair of parallel sides Sometimes has a right angle	
What properties does a kite have?	2 pairs of adjacent (next to) equal lengths Diagonals cross at a right angle	

A has four sides	Quadrilateral
Ahas five sides	Pentagon
A has six sides	Hexagon
A has seven sides	Heptagon
A has eight sides	Octagon

A has nine sides	Nonagon
A has ten sides	Decagon
This shape is	An irregular hexagon
This shape is	An irregular quadrilateral
This shape is	An irregular pentagon
A polygon is regular if	All lengths and angles are equal

A symmetry line acts like a	Mirror
A shape is symmetrical if	after a reflection or a <u>rotation</u> it looks exactly the same.
The order of rotational symmetry is	how many times the shape looks identical to the original in a full turn.
State how many lines of symmetry and the order of rotational symmetry for this shape.	No lines of symmetry Order 2 rotational symmetry
State how many lines of symmetry and the order of rotational symmetry for this shape.	1 line of symmetry (horizontal) Order 1 rotational symmetry

# Maths Perimeter and area

The perimeter of a shape is	The total of the lengths around the shape
The area of a shape is	The space the shape covers
The perpendicular height of a shape forms	Right angle with the base
Area of a rectangle	Base x perpendicular height
Area of a triangle	Base x perpendicular height ÷ 2
Area of a parallelogram	Base x perpendicular height
Which number is the perpendicular height?	12 (it forms a right angle with the base)
Area of a trapezium (given on exam aid)	$A = \frac{1}{2}(a+b)h$
Using the formula for the trapezium above which lengths are a, b and h?	a=4 b=8 h=5
What calculation would you do to find the area of the trapezium above?	a+b  8+5 = 13 x h $13 x 5 = 65$ $\div 2  65 \div 2 = 32.5 cm^2$



The perimeter of a circle is called	Circumference
$\Theta$	Diameter – passes through the centre
$\bigcirc$	Radius – half of the diameter
$\bigcirc$	Chord – cuts through the circle
$\langle O$	Tangent – touches the circle
$\bigcirc$	Arc – a fraction of the circumference
	Segment – area between a chord and the circumference
	Sector – area between 2 radii and the circumference

To find the circumference of a circle	$\pi \times diameter  C = \pi d$
To find the area of a circle	$\pi \times radius^2$ $A = \pi r^2$
If the radius is 5, the diameter is	10
If the diameter is 12, the radius is	6
"Leave your answer as a multiple of Pi or in terms of Pi" means	Leave the Pi symbol in your answer
Find the circumference of this circle in terms of Pi	$r = 6$ $d = 12$ $\pi \times 12 = 12\pi \text{ cm}$
Calculate the area of this circle as a multiple of Pi	$d=12$ $r=6$ $\pi \times 6^2 = 36\pi \ cm^2$
The formula to find an arc length of a circle is	$\frac{angle}{360} \times \pi \times diameter$
The formula to find the area of a circle sector is	$\frac{angle}{360} \times \pi \times radius^2$
Calculate the arc length of this sector to 1 dp	Angle = 120 r = 8 d= 16 $\frac{120}{360} \times \pi \times 16 = 16.7$ cm
Find the area of this circle sector	Angle = 120 r = 8 d= 16 $\frac{120}{360} \times \pi \times 8^2 = 66.98 = 67.0 \text{ cm}^2$
When finding the perimeter of sectors don't forget to	Add the radii or dimeter on at the end
Find the perimeter of this semi circle in terms of Pi	Angle = 180 r=6 d=12 $\frac{180}{360} \times \pi \times 12 = 6\pi$ Add on the diameter $6\pi + 12$



Coordinates

Quadrant: four quarters of the coordinate plane. Coordinate: a set of values that show an exact position. Horizontal: a straight line from left to right (parallel to the x axis) Vertical: a straight line from top to bottom (parallel to the y axis) Origin: (0,0) on a graph. The point the two axes cross Parallel: Lines that never meet





## Science Physical and Chemical Change

#### 1. Particle Theory

All matter is made up of particles.





- Solids arranged in a regular pattern and can only vibrate in a fixed position.
- Liquids arranged randomly but are still touching each other, can move.
- Gases, particles are far apart and are arranged randomly.

#### 2. Physical Changes

In a physical change, the matter's physical appearance is changed, but no chemical bonds are broken or formed. For example, when water is heated from liquid water to gaseous steam, only the appearance of water is changed – both steam and liquid water have the chemical formula  $H_2O$ .



#### 3. Chemical Changes

- Chemical reactions create **new** substances.
- Chemical reactions can also be used to **transfer energy** by burning fuels.
- In a chemical reaction the atoms rearrange themselves and then join back together in a different way.



#### 4. Conservation of Mass

The Law of Conservation of Mass states that mass cannot be created or destroyed.

Therefore, mass stays the same before and after a change of state. For example, 10g of ice melts into 10g of water and 10g of water evaporates into 10g of water vapour. The same applies to other substances.



#### 5. Conservation of mass in chemical change

No **atoms** are created or destroyed in a chemical reaction. Instead, they just join together in a different way than they were before the reaction, and form **products**. This means that the total **mass** of the products in a chemical reaction will be the same as the total mass of the **reactants**.



#### 6. Diffusion

Diffusion is the movement of particles from a higher concentration to a lower concentration.

Diffusion will stop when particles spread themselves evenly. Diffusion occurs in liquids and gases but not in solids, because particles in a solid are not free to move.



#### 7. Factors affecting Diffusion

There are 2 factors affecting the rate of diffusion:

- Temperature: When temperature increases, particles gain more energy. They can then move and spread out at a higher rate.
- Concentration: When concentration increases, the rate of diffusion increases because there is a steeper concentration gradient.



#### 8. Brownian Motion



Particles in fluids (liquids and gases) move randomly. This is called Brownian motion. They do this because they are bombarded by the other moving particles in the fluid. Larger particles can be moved by light, fast-moving molecules.

Brownian motion is named after the **botanist Robert Brown**, who first observed this in 1827. He used a microscope to look at pollen grains moving randomly in water. At this point, he could not explain why this occurred.



#### Science **Electricity and Circuits**

#### 1. Electric current

An electric current is a flow of charge, and in a wire this will be a flow of electrons. We need two things for an electric current to flow:

- something to transfer energy to the electrons, such as a battery or power pack
- a complete path for the electrons to flow
- To do something useful with the electric

current, you need to put an electrical component into the circuit (such as a lamp), that can use the current in a useful way



#### 3. Current

Current is a measure of how much electric charge flows through a circuit. The more charge that flows, the bigger the current.

Current is measured in amperes (amps), the symbol is A.

To measure the current flowing through a component

in a circuit, you must connect the ammeter in series with it.

Current is not used up in a circuit



#### 4. Potential difference

Potential difference is a measure of the difference in energy between two parts of a circuit. The bigger the difference in energy, the bigger the potential difference.

Potential difference is measured in **volts**, the symbol is V.

Potential difference is measured using a device called a **voltmeter**, unlike an ammeter, you must connect the voltmeter in parallel to measure the potential difference across a component in a circuit.

#### 5. Series circuits

A series circuit contains components connected one after the other, like the episodes of a series on TV. In series circuits, if one component fails, all the

components stop working.

Components in a series circuit. Series circuits use less wire than parallel circuits.

#### 6. Parallel Circuits

Components in parallel circuits are connected on different branches of the circuit.

If one component connected in parallel fails, the other components are not affected. Current is shared between the components in a parallel circuit.

Parallel circuits are useful if you want to switch components on and off independently, our homes are wired this way.



#### 7. Resistance

The wires and the other components in a circuit reduces the flow of charge through them. This is called resistance.

The unit of **resistance** is the **ohm**, and it has the symbol Ω

Resistance increases if you add more components to a circuit.



#### 8. Calculating resistance

The equation for calculating resistance is: Resistance = potential difference / current If you plot a graph of current against potential difference for a wire, you get a straight line.



Current is the same everywhere in a series circuit.

Current is shared between the

VAN (A)

(A) 950



#### Science Magnetism

#### 4. Magnetic fields

A magnet creates a **magnetic field** around it. You cannot see a magnetic field, but you can observe its effects. A force is exerted on a magnetic material brought into a magnetic field. The force is a **non-contact force** because the magnet and the material do not have to touch each other.



#### 2. Permanent magnets

A bar magnet is a **permanent magnet**. This means that its magnetism is there all the time and cannot be turned on or off. A bar magnet has two magnetic poles:

- north pole (or north-seeking pole)
- south pole (or south-seeking pole)



#### 3. Attract or repel?

Magnets have two poles, a North pole (N) and a South pole (S).

- opposite poles attract (N and S)
- like poles repel (N and N, OR S and S)

How can you test if a piece of metal is actually a magnet? Seeing if it sticks to a magnet is not a good test, because unmagnetised iron, steel, cobalt and nickel objects will also do this. So you can only show that an object is a magnet if it **repels a known magnet**.

#### 1. Magnetic Materials

Most materials are not **magnetic**, but some are. A magnetic material can be magnetised or will be attracted to a magnet. These metals are magnetic:

- Iron
- CobaltNickel



Steel is mostly iron, so steel is magnetic too.

#### 5. More Magnetic Fields

Although we cannot see magnetic fields, we can detect them using iron filings and plot them with a plotting compass

- field lines point from north to south pole
- field lines are more concentrated at the poles.
- The magnetic field is strongest at the poles, where the field lines are most concentrated.



#### 6. The Earth's Magnetic Field

The Earth behaves as if it contains a giant magnet. It produces a magnetic field in which the field lines are most concentrated at the poles. This magnetic field can be detected using magnetic materials or magnets.



#### 7. Navigating with a compass

A compass comprises:

 a magnetic needle mounted on a pivot (so it can turn freely)



• a dial to show the direction

The north pole (north-seeking pole) of the compass needle points towards the Earth's north pole. If the needle points to the N on the dial, you know that the compass is pointing north. This lets you navigate outdoors using a map.

#### 8. Electromagnets – extra content

When an electric current flows in a wire, it creates a magnetic field around the wire. This effect can be used to make an **electromagnet**. A simple electromagnet comprises a length of wire turned into a coil and connected to a battery or power supply.





1. Safety

Irritant Corrosive

- When handling acids and alkalis in the lab we need to take safety precautions, for example wearing goggles.
- Concentrated Acid is corrosive, and will destroy skin cells.
- Dilute acids have lots of water added, they are an irritant and cause redness or blistering of the skin.

#### 2. Acids (pH 1-6)



- Acids are a family of chemicals, examples are lemon juice, vinegar and Coca Cola. There is also acid in our stomach.
- Acids contain Hydrogen (H<sup>+</sup>) ions.
- Strong acids like hydrochloric acid are very corrosive this means they destroy skin cells and cause burns.
- Weak acids like vinegar are safe to eat but are still irritant to sensitive parts of the body.

#### Science Acids & Alkalis

#### 4. pH Scale

- The pH scale measures the strength of acids and alkalis, it runs from 0-14
- neutral solutions are pH 7 exactly
- acidic solutions have pH values less than 7
- alkaline solutions have pH values more than 7
- the closer to pH 0 you go, the more strongly acidic a solution is
- the closer to pH 14 you go, the more strongly alkaline a solution is

3. Alkalis (pH 8-14)



- Alkalis, are a family of chemicals that have a soapy feel, they are also corrosive, examples of these are toothpaste, soap and oven cleaner.
- Alkalis contain Hydroxide (OH- ) ions.
- Alkalis are bases that dissolve in water. Therefore not all bases are alkalis.

#### 5. pH Indicators

- Indicators are chemicals that show whether a substance is an acid or an alkali
- There are many different indicators, for example litmus paper and universal indicator
- There are also natural indicators such as red cabbage



#### 6. Neutralisation

- A chemical reaction happens if you mix together an acid and a base. The reaction is called **neutralisation**. A neutral solution is made if you add just the right amount of acid and base together.
- Neutralisation reactions form salts the name of the salt depends on the name of the acid, and the metal in the base
- Hydrochloric acid makes "chlorides", Nitric acid make "nitrates", Sulphuric acid makes "sulphates"

General equations for neutralisation reactions: Acid + Metal Hydroxide  $\rightarrow$  Salt + Water Acid + Metal Oxide  $\rightarrow$  Salt + Water Acid + Metal Carbonate  $\rightarrow$  Salt + Water + Carbon dioxide Farmers use lime (calcium oxide) to neutralise acid soils. Your stomach contains hydrochloric acid, too much of this causes indigestion. Antacid tablets contain bases to neutralise the extra acid.

Wasp stings are alkaline, they can be neutralised using vinegar.

	Qu'est-ce que tu aimes faire?	What do you like to do?
Ŏ	Regarder la télévision	To watch TV
Ŋ	Écouter de la musique	To listen to music
annual and a second	Aller au cinéma	To go to the cinema
	Lire un livre	To read a book
A	Faire du shopping	To go shopping
ĮЩΫ	Aller au parc	To go to the park
œÐ)	Aller au gymnase	To go to the gym
<b>iti</b>	Rencontrer des amis/copains	To meet up with friends
0.00	Jouer du piano	To play the piano
<b>X</b>	Visiter ma famille	To visit family
	Aller en ville	To go to town
*	Faire de la cuisine	To cook
1 and 1	Chanter	To sing
2.	Nager	To swim
	Faire mes devoirs	To do my homework
Ŋ	Télécharger de la musique	To download music
Ē	Surfer sur Internet	To surf the Internet
	Jouer aux jeux-vidéos	To play video games
Q	Tchatter avec mes amis	To chat with my friends
Ō	Prendre des photos	To take photos
0	Regarder des vidéos marrantes	To watch funny videos
$\boxtimes$	Envoyer des textos	To send texts
⊙ <u>A</u>	Acheter en ligne	To buy online
You Tube	Regarder des clips YouTube	To watch YouTube videos
	Écrire un email	To write an email
ŝ	Utiliser mon portable	To use my mobile phone
(C]		, , , , , , , , , , , , , , , , , , , ,

#### 7.4 Free time FRENCH Quel sport aimes-tu? What sport do you like?

$\bigcirc$	Jouer au foot	To play football
Ø	Jouer au rugby	To play rugby
, e	Jouer au tennis	To play tennis
of	Jouer au golf	To play golf
Ø	Jouer au volley	To play volleyball
Ģ	Jouer au basket	To play basketball
Ŕ	Faire du vélo	To do some cycling
Ŷ	Faire du ski	To do some skiing
S	Faire du patin à glace	To do some ice skating
6	Faire de la natation	To do some swimming
E.	Faire de la gymnastique	To do some gymnastics
å	Faire de l'équitation	To do some horse-riding
Å	Faire de l'athlétisme	To do some athletics
PH-	0	

	Qu'est-ce que tu regardes?	What do you watch
<u></u>	J'aime regarder	I like to watch
TV	Les actualités	The news
T	Les comédies	Comedies
1 V	Les dessins animés	Cartoons
4	Les documentaires	Documentaries
	Les émissions	Programmes
	Les feuilletons	Soap operas
	Les films d'amour	Romantic films
	Les films d'action	Action films
ي م	Les films d'horreur	Horror films
	Les films policiers	Detective films
\$ \$ \$	Les jeux télévisés	Game shows
¥	Les séries	Series

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Quand ?	When?
Normalement	Normally
D'habitude	Usually
Tous les jours	Every day
Deux fois par	Twice a week
semaine	
De temps en temps	From time to time
Rarement	Rarely
Souvent	Often
Quelquefois / parfois	Sometimes

	Quel temps fait-il?	What is the weather like?
<b>16</b>	II fait beau	It is good weather
r	II fait chaud	It is hot
60	II fait froid	It is cold
ſ	Il fait 25 degrés	It is 25 degrees
	II fait mauvais	It is bad weather
	ll pleut	It is raining
-	Il neige	It is snowing
Ð	ll y a du vent	It is windy
ß	II y a des nuages	There are clouds
0	II y a des orages	There are storms
	ll y a du brouillard	It is foggy
*	II y a du soleil	It is sunny

#### Free Time Year 7 FRENCH 7.4 Knowledge Organiser



Finir, jouer & vendre are regular verbs which follows the patterns below; which we have seen before. The verb "faire" is irregular but important, especially for this topic with sports.

Pronouns	<b>Finir</b> – to finish	<b>Jouer</b> – to play	Vendre– to sell	<b>Faire</b> – to do Je fais - I do
je (I)	Je fin <mark>is</mark> – I finish	Je jou <mark>e</mark> – I play	Je vend <mark>s</mark> – I sell	Tu fais – you do Il/elle/on fait – he/she does/we do Nous faisons –we do
tu (you)	Tu fin <mark>is</mark> – you finish	Tu jou <mark>es</mark> – you play	Tu vend <mark>s</mark> – you sell	Vous faites – you (pl) do Ils/elles font – they do
il (he) <i>,</i> elle (she), on (we)	il/elle/on fin <mark>it</mark> - He/she/we finishes	il/elle/on jou <mark>e</mark> - He/she/we play	il/elle/on vend– he/she/we sell	Now you should be able to create some of your own questions using the question words below.
nous (we)	Nous fin <mark>issons</mark> – we finish	Nous jou <b>ons</b> – we play	Nous vend <mark>ons</mark> – we sell	Quand? – When? Qui? – Who? Où? – Where? Combien? – How many? Qu'est-ce que? What? Comment? – How? Pourquoi? – Why? Que? – What? Quel(Ie)? – Which?
<b>vous</b> (you) (pl. or formal)	Vous fini <mark>ssez</mark> – you finish (pl. or formal)	Vous jou <mark>ez</mark> – you play (pl. or formal)	Vous vend <mark>ez</mark> – you sell (pl. or formal)	
ils/elles (they)	ils/ elles fini <mark>ssent</mark> – they finish	ils/ elles jou <mark>ent</mark> – they play	ils/elles vend <mark>ent</mark> – they sell	

#### How to improve your writing?

When writing in French, you can make your sentences better by adding the following:

- Range of opinions and reasons
- Connectives to extend your sentences
- Qualifiers e.g. très, assez
- Comparisons

• Rather than just using 'je', write verbs using other pronouns

-	Was machst du gern?	What do you like to do?
Ŏ	fernsehen	To watch TV
2	Musik hören	To listen to music
Stronger .	ins Kino gehen	To go to the cinema
	ein Buch lesen	To read a book
ð	einkaufen gehen	To go shopping
μÕ	in den Park gehen	To go to the park
(H)	ins Fitnesszentrum gehen	To go to the gym
<b>iti</b>	mit Freunden treffen	To meet up with friends
0.00	Klavier spielen	To play the piano
<b>K</b>	Familie besuchen	To visit family
	in die Stadt gehen	To go to town
<b>*</b>	kochen	To cook
1 and 1	singen	To sing
2	schwimmen	To swim
	meine Hausaufgaben machen	To do my homework
Δ	Musik herunterladen	To download music
Ē	im Internet surfen	To surf the Internet
20	Videospiele spielen	To play video games
Q	mit meinen Freunden chatten	To chat with my friends
Ō	Fotos machen	To take photos
e 🖪	lustige Videos ansehen	To watch funny videos
$\boxtimes$	SMS schicken	To send texts
0A	online einkaufen	To buy online
You Tube	Youtube-Videos ansehen	To watch YouTube videos
Ø	eine Email schreiben	To write an email
j.	mein Handy benutzen	To use my mobile phone

	<b>7.4 Free time</b> German	•		
	Welchen Sport magst du?	What sport do you like?		
Fussball spielen To play football				
Rugby spielen To play rugby		To play rugby		
Tennis spielen To play tennis				
Golf spielen To play go		To play golf		
Volleyball spielen		To play volleyball		
Basketball spielen To pla		To play basketball		
Ŕ	radfahren	To do some cycling		
Y	skifahren	To do some skiing		
S	eislaufen	To do some ice skating		
<u>s</u>	schwimmen	To do some swimming		
🕎 turnen		To do some gymnastics		
A	Reiten	To do some horse-riding		
۲.	Athletik treiben	To do some athletics		

	Was magst du ansehen?	What do you like to watch?		
	Ich mag ansehen	I like to watch		
୬ନ	die Nachrichten	The news		
🔯 Komödien		Comedies		
<b>5</b>	Zeichentrickfilme	Cartoons		
	Dokumentare	Documentaries		
тν	die Sendungen	Programmes		
	Seifenoper	Soap operas		
3	Liebesfilme	Romantic films		
é"	Actionfilme	Action films		
Ā	Horrorfilme	Horror films		
	Krimis	Detective films		
S <sup>S</sup>	Spielshows	Game shows		
¥.	Serien	Series		
15				

**Cabot** Learning Federation

Wann ?	When?
normalerweise	Normally
gewöhnlich	Usually
jeden Tag	Every day
zweimal	Twice a week
selten	Rarely
oft	Often
manchmal	Sometimes

	Wie ist das Wetter?	What is the weather like?
663	Es ist schön	It is good weather
r	Es ist heiß	It is hot
60	Es ist kalt	It is cold
ſ	Es ist 25 Grad	It is 25 degrees
<b>S</b>	Es ist schlecht	It is bad weather
	Es regnet	It is raining
-	Es schneit	It is snowing
Ð	Es ist windig	It is windy
ß	Es ist wolkig	There are clouds
S	Es donnert und blitzt	There are storms
Ripe.	Es ist neblig	It is foggy
**	Es ist sonnig	It is sunny

Year 7 German ARE : Knowledge Organise (1) Pronouns ich /	3 er.	(6) Regula kaufen trinken lieben	<mark>ar ER verbs</mark> to buy to drink	(7) esse ich esse du <mark>i</mark> sst er/sie/es <mark>i</mark> sst	<u>en – to eat</u> I eat you eat he/she/it eats
du you (singular) er } he sie } she es it wir we	2) <u>THE RULES : Regular verbs</u>	ankommen chatten singen suchen	to love to arrive to chat to sing to look for	(8) lese ich lese du l <mark>ie</mark> st er/sie/es l <mark>ie</mark> st	<u>n – to read</u> I read you read he/she/it reads
ihr       you (plural/informal)       1.         Sie       you (plural/formal)       (s)         sie       they       2.         3.       (3) THE ENDINGS       str         ich       -e       4.         du       -st       bo         or/sig/os       t       bo	Write down the infinitive pielen / wohnen / trinken) Chop off the ending EN Write down what's left (the em). Add the correct ending. Use the oxes below to find the correct	beginnen tanzen fragen zeichnen malen hören	to start to dance to ask to draw to paint to listen	(9) fahren – ich fahre du fährst er/sie/es fährt (10) mög	to travel / go I travel / go you travel / go he/she/it goes en – to like
wir -en ihr -t Sie -en Sie -en	<u>(5) sein – to be</u>	lernen feiern gewinnen spielen	to learn to celebrate to win/earn to play	du <u>magst</u> er/ <u>sie</u> /es mag	you like he/she/it likes y Phrases
(4) Time Expressionsam Wochenendeat the weekendam Montag/Dienstag On Monday/Tuesdaanch der SchuleAfter schoolin der PauseAt breakin der WocheDuring the weeknormalerweiseNormallymanchmalSometimesseltenRarelygewöhnlichUsuallyjeden Tageverydayimmeralways	(4) Time Expressions chenendeat the weekend ntag/Dienstag On Monday/Tuesday anseIch DinTam du bist you are er/sie/es istAfter school PauseAfter school Pausewir sindwe are ihr seidPauseAt break Nochewir sindwe are ihr seidNocheDuring the week erweiseNormally Rarely alwayssie sindNochUsually alwayssie sind		to nike to walk to swim to say to find to work to use to visit to travel to do	Was machst du? What do you Was machst du in d What do you do in y Es ist/ es ist nicht sehr ziemlich ein bisschen zu total extrem gar nicht	ou do/are you doing? leiner Freizeit ? your free time? It's / It's not very. quite a (little) bit too totally. extremely. not at all

#### 7.4 Spanish Free Time Knowledge Organiser



Llevar, vivir & comer are a regular verbs which follow the pattern below. The verbs "jugar" and "hacer" are irregular but important verbs, especially for this topic on sports.

_				Hacer-to do	
Pronouns	Estudiar – to study	<b>vivir</b> – to live	comer– to eat	Yo hago - I do	
Yo (I)	Estud <mark>io</mark> – I study	Viv <mark>o</mark> – I live	Com <mark>o</mark> – I eat	Tu haces – you do Él/ella hace – he/she does Nosotros hacemos –we do	
<b>tú</b> (you)	Estudi <mark>as</mark> – you study	Viv <mark>es</mark> – you live	Com <mark>es</mark> – you eat	Vosotros hacéis – you (pl) do Ellos hacen – they do	
<b>el</b> (he), <b>ella</b> (she),	Estudi <mark>a</mark> - He/she studies	Viv <mark>e</mark> - He/she lives	Com <mark>e</mark> – he/she eats	<b>Jugar- to play</b> Yo juego- I play Tu juegas - you play	
nosotros (we)	Estudi <mark>amos</mark> – we study	Viv <mark>imos</mark> – we live	Com <mark>emos</mark> – we eat	Él/ella juega – he/she plays Nosotros jugamos –we play Vosotros jugáis – you (pl) play Ellos/ellas juegan – they play	
<b>vosotros</b> (you) (pl. or formal)	Estudi <mark>áis</mark> – you study (pl. or formal)	Viv <mark>is</mark> – you live (pl. or formal)	Com <mark>éis</mark> – you eat (pl. or formal)	Now you should be able to create some of your own questions using the	
Ellos/ellas (they)	Estudi <mark>an</mark> – they study	Viv <mark>en</mark> – they live	Com <mark>en</mark> – they eat	question words below. Don't forget the upside down question mark at the beginning of a question.	
				¿Cuándo? – When?	
How to improve your When writing in Spanis Range of opinions a Connectives to exte Qualifiers e.g. muy, Comparisons	writing? sh, you can make your sen nd reasons • Rather nd your sentences bastante	tences better by adding t than just using 'yo', write	he following: verbs using other pronouns	¿Quién? – Who? ¿Dónde? – Where? ¿Cuántos? – How many? ¿Qué? What? ¿Cómo? – How? ¿Por qué? – Why? ¿Cuál? – Which?	



#### Components of Fitness

	Physical Components	Definition	Sporting example		Skill Components	Definition	Sporting example
1	Aerobic Endurance	The ability to exercise your cardio respiratory system for a long period of time.		7	Balance	The ability to maintain a centre of mass above a base of support.	F
2	Muscular Endurance	The ability to exercise your muscular system for a long period of time.		8	Coordination	Being able to use two or more body parts at once to complete a motor task efficiently.	
3	Muscular Strength	The maximum force that a muscle or muscle group can produce.		9	Reaction Time	The time taken to respond to a stimulus.	
4	Flexibility	The range of movement around a joint.		10	Power (Explosive Strength)	The combination of speed and strength.	
5	Speed	The distance covered					
		second	Body types	11	Agility	The ability to change direction at speed without losing balance.	
6	Body Composition	The ratio of fat mass to fat free mass in the body.	TT TT TT	L	1		





# DT

#### Year 7 D&T – Gumball Machine Project





Invicement more will the product effect the environment? is the process: Recycluble! Researche? Repairable? Specificable Environmentally intendigit bad for the environment? 6R's of Besign Recycle / Rouse / Repair / Ballerk / Reduce / Kelyse



These si is make tacheng why is sheet when it is used? WI It has told for the contorner to shall Could shay hart themas kant effect's the parent and artest way to use the product? Whet are the result

Function mount have does the product work? What is the products job and role! What is it needed for? Here wall does it work? Here could it be improved? Why is it used this way?

deteried moore what is the product made out of? What materials is the product mode front? Why were these motivity waidt Would a different exchange ha hatter? How was the predact make? What microbatoring techniques were could

also helps identify potential faults, which in turn allows the designer to



make improvements.

**Target Market** 

is for Customer

is for Size

is for Safety

is for Function

is for Material

is for Environment



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A target market is the market segment (group of potential customers) which a particular product or service is marketed (advertised) to.



Vertical Sander

# DT

#### Food Tech





#### Food Miles

All food makes a journey from where it is grown or produced to your plate.

How far food has travelled is known as its food miles.

We should be aiming for as few miles as possible. Choosing foods with fewer food miles helps reduce pollution and protect our Planet.

We can reduce food miles by eating food that is in season, and buying food that is produced locally.

#### Cooking Processes

<u>Radiation</u> Heat from an oven or grill.

Denaturation When the protein in cheese unravels (melting).

> <u>Gelatinisation</u> When starch granules swell.

<u>Mis-en-place</u> A French word to describe preparing Ingredients and getting everything ready for cooking.

<u>Convection</u> The scientific process that occurs when liquids boil in a pan.

Stock The juice from cooked meats, fish, and vegetables.

Enzymic Browning A reaction that occurs in some fruit and vegetables when left to react with air.

<u>Gluten</u> The protein particles contained in flour.

<u>Shortening</u> Rubbing flour and fat together to make a crumbly mixture.

Dextrinisation A chemical process that turns food brown/black when cooking.



#### Food Tech

#### **Health and Safety**





**Carry knives** pointing down.

Wash up with hot

water and washing

liquid.



Clean surfaces and equipment to kill bacteria.



Wash hands with soap after to uching raw meat.



Wipe up spills straight away to avoid slips.

Chopping board	d colour coding
Red - Ra	w meat
Blue - R	aw fish
Yellow - Co	oked meat
Green - Sala	ad and fruit
Brown - V	egetables
White - Bake	ry and dairy

#### **Knife Skills**

- Always carry knives pointing downwards
- Always pass knives by the handle
- Never run or fight with knives
- · Keep the knife blade away from your fingers when cutting
- Never cut towards yourself
- Never leave a knife in the sink
- Never try and catch a knife if it falls

#### **Bacteria**

Bacteria are a micro-organisms that multiply in certain conditions.

Where can bacteria be found? **Evervwhere!** 

Are all bacteria bad?

No some are good and essential for normal bodily function.

#### When using a knife there are TWO techniques we can use to ensure knife safety when cutting ingredients.



Claw grip

Arch grip

#### How can you reduce the risk of bacteria?

- Storing food separately
- · Storing and cooking foods at the correct temperatures

#### The 4 C's

- Cleaning wash your hands properly.
- Cooking make sure you cook food properly or you could make someone very ill.
- Chilling keep it chilly silly.
- · Cross contamination keep raw meat and cooked food apart.



# History

#### African Kingdoms: Mali Empire

#### Summary Mansas Key Features of the Mali Empire **Key Vocabulary** The Mali Empire was an empire in west Africa A map of the Mali Empire c. 1337 CE Culture Mali from c.1235 until 1670. -Although the empire was made up of lots of THE MALL IMPIRE different tribes, these were all considered to be a Empire The empire was founded by Sundiata Keita. He part of the Mande peoples. incorporated a series of smaller kingdoms into his -They spoke similar languages and were own, creating a local empire. separated by different castes. Farmers were West Africa considered to be a respected caste. AILANTIC -Other castes included artisans, fishermen, From 1240 onwards, the empire expanded to Mansa **KKEAN** scribes, soldiers and slaves. include regions that were rich in gold. The empire, and its 'Mansas' (rulers) became famed for its Religion Sundiata Keita wealth. -The Mali Empire from 1300 onwards was built upon the principles of the religion of Islam. There The empire became one of the largest in the Mansa Musa were great mosques and souks, and many of the world at the time, including areas in what is now Mansas were known to be devoutly Muslim. Mali, Senegal, Guinea, Mauritania and Gambia. -However, they did not force their subjects to Gold convert to Islam. Many people followed local The Manding languages were spoken in the religions. Others practiced a hybrid religion that empire. The Mandinka oral tradition, including Manding combined elements of Islam and local beliefs. griots (story-tellers) spread word of the empire. Nigni and Timbuktu Mandinka -Niani and Timbuktu were the two most **Major People and Events** important cities in the Mali Empire. Griots At different times, they both functioned as the The leaders of the Mali Empire Sundiata Keita (c.1217-c.1255) **Rise of the Mali Empire** capital city of the Empire. were called 'Mansas.' -Throughout the 1230s and 1240s, Keita united a -Sundiata Keita was the first Mansa of -Both cities benefitted from the arrival of Mande the Mali Empire. He was believed to series of smaller kingdoms, to grow the power and The word 'Mansa' meant 'ruler' scholars and building designers, who helped the have overcome a childhood disability wealth of the Mali Empire. Many of these were or 'King.' Sundiata Keita was the architecture and education in the cities to and his family living in exile for many years. important locations for trade and gold. first Mansa of Mali. Pilgrimage flourish. Timbuktu was considered included the -He defeated the powerful Sosso King at the Battle Local leaders were allowed to lead small areas, famous Sankore University. of Karina to become the first Mansa. but pledged allegiance to the Mansa. Mansa Musa (c.1280-1337) Top 10 Facts! -Mansa Musa was the ninth Mansa of the Mali Empire. The great wealth of Mali came from both gold In the late 1400s, the Empire started to lose 1. 6. -Ruling during the 'golden age' of the Mali Empire, he has become famed as one of and salt mines. power at its borders. Other empires arose. the richest people in history, but it is not possible to quantify his exact wealth. -He became Mansa after his predecessor did not return from exploring the Atlantic. 2. Aside from Niani and Timbuktu, other important 7. Timbuktu was seized by the Tuarea people in -He built many schools, universities and libraries, and strengthened the position of cities included Gao, Djenne and Walata. 1431. Timbuktu as the capital. He also invaded other areas and doubled his territory. Mansa Musa's Pilgrimage The Fall of the Mali Empire 3. The Empire controlled important trade routes 8. By 1550, the Mali Empire was no longer Musa was a devout Muslim, and In the centuries after Mansa Musa across the Sahara Desert and Middle East. considered to be of importance or power. took his pilgrimage to Mecca died, the Mali Empire began to decline in power. It was challenged between 1324-1325. 4. The Niger River was an important trade route 9. The last Mansa, Mahmud IV, died in 1610. -He took vast amounts of gold, by the Sonahai Empire to the north. Local leaders for the Malians. 10. Mali is now amongst the poorest nations in began to switch their allegiance from the which were given to the poor on the journey. 5. In the 1400s, Mali traders dominated west Africa. the world. His journey attracted visitors and scholars to Mali. increasingly-violent Malian Mansas

## Geography

Keyword	Definition
Arcti c circle	Line of latitude at 66 degrees north of the equator
Biome	A large community of plants and animal found
Climate	The average weather conditions over a long period of time
Climate graph	A graph showing the temperature and rainfall for a location over a year
Biodiversity	The number of different plant and animal species in an area
Adaptation	How plants and animals have changed to survive in a particular environment
Permafrost	A layer of permanently frozen ground
Population distribution	The number of people on average in a given area (usually 1 square km)
Sparsely populated	Few people live there
Densely populated	Lots of people live there





Russia



Covering 17 million square kilometres, **Russia is the largest country in the world**. It is 70 times the size of the UK and twice the size of the USA. Russia borders 14 nations and spans 11 different time zones.





- Tundra comes from the Finnish 'tunturia', which means barren or treeless land.
- Trees do not grow in the tundra because the ground is permanently frozen 25-100cm down.
- Tundra is a biome where the ground stays frozen for most of the year and there is very little precipitation.
- Tundra environments are found in the Northern hemisphere surrounding the Arctic Circle where temperatures stay below 0°C most of the year.



# Geography







The second		Direction of longshore drift				
swas	h backwash	prevailing wind				
	Hard engineering	This involves building structures to protect the coast.				
	Soft engineering	This involves working with nature by using natural materials or allowing nature to take back areas				
amples o anageme	f coastal nt	Advantages	Disadvantages			
ea Walls		Protects the base of cliffs	Expensive to build			
roynes	AND I	Prevents the movement of beach material along the coast by longshore drift	Costly to build and maintain			
ock mour		Absorbs the energy of waves	Can be expensive to obtain and transport the boulders			
each ourishmer	nt	Cost is low	Requires constant maintenance to replace the beach material as it is washed away			
anaged treat		'Low value land' left to b	be eroded by the sea			

## **What do the Dharmic faiths believe?** Buddhism Knowledge



		Ardaniser	
NEED	TO KNOW WORDS	Overview	Top 10 Facts!
<u>Buddha</u>	It means 'the One who knows'.	Buddhism is one of the world's major religions. It is the world's 4th largest religion, with about 520 million followers.	na, 1. Buddhists don't believe in a God who made the
<u>Dhamma</u> Sangha	Teachings. The things that Buddha and Buddhism teach about life. Community. The community of Buddhists across the world. Made up of lay people and monks and nuns.	Buddhists are the people who follow Buddhism. They follow the teachings of a man named       Siddhartha Gautama, who became known as the Buddha.         The religion began when Gautama, a prince who had lived a life of luxury, realised that there       whose teaching         was suffering in the world, and committed himself to understanding why.       This happened in India around 2,500 years ago.         The holy book in Buddhism is called Tipitaka. Buddhist Temples are buildings designed for       Buddhist worship.	<ul> <li>world and everything in it.</li> <li>Siddhartha's family was Hindu.</li> <li>The lotus flower is an important symbol in Buddhism. It is a symbol of enlightenment.</li> <li>The name 'Buddha' means 'the enlightened one' or 'the one who knows.'</li> <li>Some Buddhists have shrines at home where</li> </ul>
<u>Enlightenment</u>	Waking up to what life is really like. This is what happened to Siddhartha Gautama.	Buddhist beliefs: The Buddhist teachings are known as Dharma. They include the Four Noble Truths and the Eightfold-Path. Buddhisr Noble Truths are:	n's they are able to worship. 6. The teachings of Siddhartha Gautama were not written down until
<u>Anicca</u>	The idea that everything changes & decays. Nothing remains the same.	1 Truth of Suffering Right Nindfulness Right Intention	about 400 years after his death. 7. Siddhartha Gautama died around age 80.
<u>Duk kha</u>	Suffering. Much of life is pain & suffering. It is just how life is.	Image: Speech state     Find Cause of Suffering       The Four Noble Truths     Right	<ol> <li>Yuja' is the name for worship in Buddhism. People often light candles as they worship.</li> <li>In images of Buddha,</li> </ol>
Anatta	No self or soul. If <i>everything</i> changes, then there is nothing permanent in a human, like a soul.	3 Solution for suffering Right	faces are a lways made to look calm and serene, to show that he has a peaceful mind. 10. Wesak is a n important
£132		CAN ME  Livelihood  Action  Right  Action  Right  CΠOT  Right  CHOT  CHOT CHOT	festival in Buddhism.

### What do the Dharmic faiths believe?

#### **Organiser** NEED TO KNOW WORDS Sikh nature of God. Sikhs have many words to describe God. The name most widely A class structure that is The three foundations of Sikhism Caste used for God by Sikhs is Waheguru, which means 'wondrous System determined by birth enlightener'. Sikhs believe that there is only one God, who created Sikhs must keep God in their God Guru Teacher Naam Japna: Meditate on Goo everything. mind at all times. As well as Guru Granth Holy book of sikhism ponore mui wunigaru prayer and meditation, Sikhs The creator - The act of creating everything was God's will Sahib will also practise chanting and (Hukam). Guru Nanak The founder of sikhism singing of God's name -Ineffable - Waheguru's essence cannot be adequately described in Waheguru. words. Meaning the will or command of Hukam Genderless - Waheguru is neither male nor female. All Sikhs must seek to live god Eternal - Waheguru is outside time and space and beyond the Kirat Karni: Live honourably honestly and to have high moral Meaning to work honestly, live Kirat Karni: values. This doesn't just mean Who was Guru Nanak? honestly, and practice honesty avoiding crime. Sikhs also avoid Guru Nanak founded Sikhism. He was born to a Hindu family over Meditating on god's name Naam Japna gambling or working in immoral 500 years ago in the Punjab (an area that is now in Pakistan, but at industries. the time, it was part of India). Sikhism A religion based on belief in a Throughout his life, Guru Nanak experienced key events that led single god and on the teachings of him to: guru nanak and give Sikhs must commit to giving to Vand Chakna: reject the caste system within Hinduism Three Duties which all sikhs must carry charity and caring for others. teach that everybody is equal through the belief in the . foundations out Share a of Sikhism oneness of humanity teach the three foundations of Sikhism. Means to share the fruits of one's Vand Chakna labour with others Guru Granth Sahib The Guru Granth Sahib is a holy book of Sikhism. It's a collection of songs, poems, and prayers written by Waheguru Used in sikhism to refer to god



The Guru Granth Sahib is a holy book of Sikhism. It's a collection of songs, poems, and prayers written by different Sikh gurus and other holy people. The book was edited by the fifth Sikh guru, Guru Arjan Dev. Skihs believe that the book is the eternal living guru of the Sikhs. The Guru Granth Sahib has writings in different languages, such as Punjabi, Sanskrit, and Persian. The book teaches that there is only one God, and it's important to live a good life by doing good things.



**Sikhism Knowledge** 

## త what do the Dharmic faiths believe? Hinduism Knowledge Organiser ప్ర

NEED TO KNOW WORDS		Hinduism overview: Hinduism is over 4,000 years old, making it one of the world's		Hindu belief in The Trimurti: Brahman takes many forms. Especially		
Polytheist	Belief in many gods	oldest religions. It is made up of a variety of different religious beliefs and practices. It originated near the Indus River in India		three forms called the Trimurti:		
Monotheist	Belief in one god	The name 'Hindu' comes from the word Indus	Ja	is the creator of the world and		
Deities	Gods	Hindu nature of God.	ahm	shown with four heads.		
Brahman	Supreme god in Hinduism	Hindus believe in one God (Brahman) and they believe he comes in many forms. Hindus believe that there are three gods called the	B			
Dharma	duty – fulfilling these duties are the first step towards breaking the	Trimurti who display the 3 aspects of the universal supreme God, Brahman.	2	is the preserver of the world. His role is to return to the earth		
	samsara cycle.	Where do Hindus worship?	/ishr	the balance of good and evil. He		
Reincarnation	being 'reborn	Hindus worship in a temple called a Mandir. Mandirs vary in size from small village shripes to large buildings surrounded by walls		has blue skin and four arms.		
Moksha	The spiritual aim for Hindus is to	Torrisinal vilage stimes to large salidings, surrounded by wais.				
	samsara cycle	People can also visit the Mandir at any time to pray and participate		is the destroyer of the universe.		
Mandir	Community temple	in the bhajans (religious songs).	Shiva	order to re-create it. Shiva has		
Karma	The belief that actions have	Findus also worship at nome and often have a special room with a shrine to particular gods.		carries a trident.		
Samsara	The cycle of birth and rebirth.	What are Hinduism's holy books? Hinduism does not have a single holy book, but many ancient texts and scriptures.				
Trimurti	— 3 main aspects of Brahman	The Vedas - a collection of hymns praising the Vedic gods. Veda means 'knowledge'.				
	(Brahma / Vishnu / Shiva)	The Mahabharata - which includes the Bhagavad Gita.				
		The Puranas - a collection of stories about the different incarnations and the lives of saints.				





#### UNDER THE SEA

Content: In this project you will...

**Understand**- how other artists are inspired to create their work and how to write about it. **Develop skills**- drawing, shading, painting, and showing the influence of other artists in your own work and presentation.

**Outcome-** A self made sketchbook and body of work that explores the element of water and the things you find under the sea.



# IMPORTANT COLOUR TERMS AND THEIR MEANING HUE · - The colours of the visual spectrum CHROMA - The purity of a hue. SATURATION - How strong or weak a hue is. VALUE - Refers to how light or dark a hue is. SHADE - Hue made darker by adding black. TONE - Hue made duller by adding gray. TINT - Hue made lighter by adding white.

#### Keywords:

Annotation: a note by way of explanation or comment added to a text or diagram. Collage - a piece of art created by combining photos, clippings or small objects onto a surface Nautical - concerning navigation, sailors, or the sea; maritime.

**Typography** - is the art of arranging letters and text in a way that makes the copy legible, clear, and visually appealing to the viewer. Sketchbook -a book or pad with blank pages for sketching and is frequently used by artists for drawing or painting as a part of their creative process Line Drawing - any image that consists of distinct straight or curved lines to represent twodimensional or threedimensional objects. **Render -** Colouring your art. shading it, or adding texture to it to add realism and a 3D quality **Observational Drawing** drawing what you see Value Drawing - a black and

#### Assessment:

(D) Demonstrate a deepeningknowledge, understanding and skills
(O+)On Track- Demonstrate someknowledge, understanding and skills
(O-)On Track- Demonstrate someknowledge, understanding and skills
(Y)Yet to be on Track- developing someknowledge, understanding and skills
(A)Earlier Stage-minimal knowledge, understanding and skills

white drawing

#### Analysis

All artist research pages should be annotated. You must include the following:

#### Other artists artwork

- Describe the work what does it look like? Use the formal elements i.e. colour, line etc.
- What techniques/ materials were used?
- What is your opinion of the work? How is it relevant to your own idea?

#### Sentence starters

- I like/dislike the way the artist has used...because
- I think the colour scheme used is effective because...
- I think the artist has been inspired
- by...because

#### **Evaluation of Your Artwork-**

- What inspired you to create the piece?
- What techniques did you use and why?
- What does it mean to you?
- How is it relevant to your
- idea?

#### Sentence starters

- The technique I have used is..
- The skill/technique I found most difficult was...because...
- I think my work is successful because...



#### Glastonbury

#### Dotted Note Values **Elements of Music** It's Theory Time! Program A piece of music which either tells a story or describes something. NOTES RESTS **Note Values** Dotted Semibreve Music This is a Rhythm Tree - it is designed to help you identify = 6 beats O what the symbols for different note values are, and how they relate to one another. Here are the note values! Pitch Pitches is how high or low a piece of music, or a particular note, is. Dotted Minim Semibreve = 4 beats Minim = 2 beats = 3 beats C Crotchet = 1 beat Quaver = ½ beat Dotted Crotchet Semiguaver = ¼ beat Rhythm/ Duration/rhythm means how long or short a note is. = 1 1/2 beats Duration Semibrev 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Minim Dotted Quaver **Dynamics** Dynamics are how loud or quiet the music is played. = 3/4 beat Crotchet Dotted Semiguaver Quaver = 3/8 beat Tempo is how fast or slow a piece of music is played. Tempo Notes on the Stave **Chromatic Scale** Here are the notes of the treble (top line) and bass (bottom line) clefs. When the notes fall outside the five lines of (piano) Texture Texture describes how melodies, rhythms and harmonies are layered in a piece music paper, we add extra lines called ledger lines. Here are of music. some phrases to help you remember where the notes go! Treble Clef Lines: Every Green Bus Drives Fast Treble Clef Spaces: FACE (in the space!) Timbre/ Timbre (or sonority) describes the particular sound quality of an instrument or D Е C F G A $\mathbf{B}$ С Bass Clef Lines: Green Buses Drive Fast Always Sonority voice. Bass Clef Spaces: All Cows Eat Grass BEDEFGABCDEFGAB CDEFGABCDEFGABED Structure Structure (or form) is the overall plan of a piece of music. Triplets **Accidentals** (Ukulele) A triplet is group of three notes, or notes and rest that are played in the same time as two notes of the same value. Triplets are only found in simple time. They can look like this... C C#/Db D D#/Eb F#/Gb G#/Ab C E G A A#/Bb в or for or

# Music





## The **conductor** leads the orchestra of musicians.



Conducting patterns









#### Glastonbury



#### DATA REPRESENTATION

7.4 - Data Representati	on Knowledge Orga	niser				@HPAComputin	g WReadyToCode
	Bit.	Nibble	Byte	Kilobyte	Megabyte	Gigabyte	Terabyte
Keywords	A single 1 or 0	4 645	SIMS	1024 Byles	1024 Kilobytes	1024 Megabytes	1024 Gigabytes
Binary	Denary/Decimal	Place Value	Base 2	Base 10	ASCII		in a set
A number system that contains two symbols. 0 and 1 Also known as base 2.	The number system most commonly used by people. If contains 10 unique digits 0 to 9 Also known as decimal or base 10,	The value of the place of a digit in a number.	The binary counting System uses two symbols .0 and 1	The denary counting system, uses ten symbols 0 to 8	A 7-bit character set used for representing English keyboard characters.		Test-Clas
DATA	INF	ORMATION				-	
Rew lacts of things	Data wit	h exact meaning					617
No contextual meaning	ng Pro	nessaali data'	101	0 1 0 0		<u>u</u>	
Just mimbers and/or t	ext Orga	rrised context	128 64 32	16 6 4 2	0 = 168	ME	1 K
Computers need D	ATA, mimans need IN	FORMATION					

## Computer Science

#### DATA REPRESENTATION

