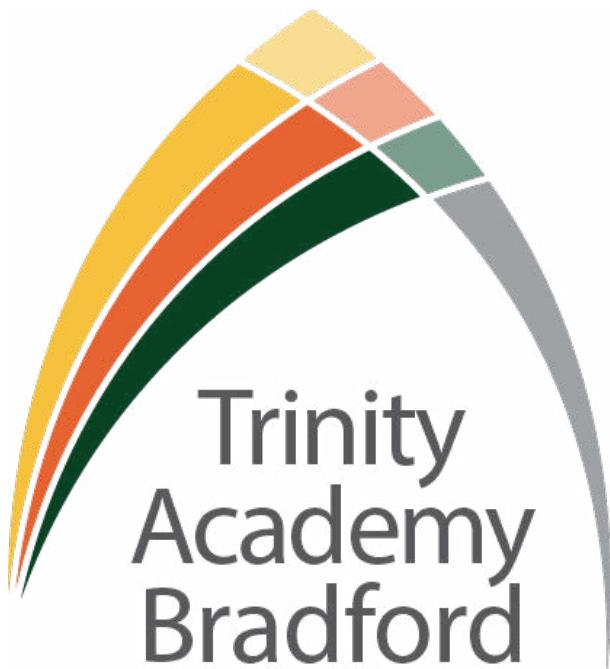


Name: .....

Form Group: .....



# Year 9 Knowledge Organiser Term 2

# English—Animal Farm

Year 9      Term 2



## Week 1: Complex Sentences

A complex sentence is a sentence with a **main clause** (a phrase which makes sense on its own) and a **subordinate clause** (a phrase which doesn't make sense on its own).

**Example:** *I went to the park even though I didn't want to.*

*I went to the park. This is a complete simple sentence.*

*even though I didn't want to. This is not a complete sentence as it does not make sense until you add it to a main clause.*

## Week 2: Embedded Clauses

**Embedded clause:** A subordinate clause in the middle of a complex sentence. It doesn't make sense on its own and must have punctuation on either side. You can use parentheses (brackets) or a pair of commas.

**Example:** *The crocodile, which had been lurking under the water, pounced towards its prey.*

*The crocodile (**which had been lurking under the water**) pounced towards its prey.*

*even though I didn't want to. This is not a complete sentence as it does not make sense until you add it to a main clause.*

## Week 3: Inference

**Inference:** The ideas you infer/work out from reading something, what the text makes you think of, the connotations of a text.

**Examples:**

*The man was crying therefore he must be upset about something.*

*The **black** sky **hung** overhead: Black and hung have connotations of death.*

## Week 4: Word Patterns

Writers think carefully about the word choices in their writing in order to create a specific effect or mood for the reader or audience.

Sometimes writers choose to create a pattern by linking words across a paragraph or whole text. The words that create a pattern can be grouped together in a ‘field’.

**Lexical field:** Words that are associated with a specific topic or subject.

*Example: The lexical field of football would be: pitch, ball, players, goal, score, and team.*

**Semantic field:** Words that are associated by meaning.

*Example: A semantic field of violence would be: shred, ripped, beat, pulsed, throbbed, smashed, and shrieked.*

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## Week 5: Grammar

**Was or were?**

**Was:** Singular past tense verb.

*Example: The house was abandoned. The dog was lonely.*

**Were:** Plural past tense verb.

*Example: We were hungry. They were excited.*

**Is or are?**

**Is:** Singular present tense verb.

*Example: He is happy. The house is wonderful.*

**Are:** Plural present tense verb.

*Example: They are happy. The dogs are running around.*

An ellipsis can also be used to leave a cliffhanger at the end of a sentence or text.

**Have (not of)**

The phrases ‘should of’, ‘would of’ and ‘could of’ are always wrong.

The correct contractions of the verbs ‘should have’, ‘would have’, ‘could have’ are ‘should’ve’, ‘would’ve’, ‘could’ve’.

*Example: He should not have been late to lesson.*

## Week 6: Dash and Ellipsis

**Dash (-):** Used to add extra information at the end of a sentence.

A dash is a mid sentence punctuation and does not need a capital letter after it.

*Example: Please call my mum - she's at home.*

**Ellipsis (...):** Used to show a pause, hesitation or interruption in speech. An ellipsis can also be used to indicate missing words from a quotation to shorten it.

*Examples: "I'm... I'm pleasantly surprised." 'The house was large, red, brick...and built over 100 years ago.'*

An ellipsis can also be used to leave a cliffhanger at the end of a sentence or text.

*Example: Suddenly, it was gone...*

*Example: He should not have been late to lesson.*



# Maths—Constructing in 2 and 3 Dimensions

Year 9

Term 2



## Three-Dimensional Shapes

Three-Dimensional Shapes		Constructions and Congruency						
<b>2-D Shapes</b>		A flat shape with two dimensions such as length and width						
<b>Polygon</b>	2D shapes made by three or more straight, connected sides.	<b>Construct</b>	Draw accurately using a ruler and compasses					
<b>3-D Shapes</b>	A shape with three dimensions: length width and height	<b>Sketch</b>	A rough drawing					
<b>Face</b>	A flat surface of a 3-D shape	<b>Acute Angle</b>	An angle less than $90^\circ$					
<b>Vertex</b>	A point where two line segments meet; a corner of a shape	<b>Obtuse Angle</b>	An angle more than $90^\circ$ but less than $180^\circ$					
<b>Edge</b>	A line segment joining two <b>vertices</b> of a 3-D shape. It is where two <b>faces</b> meet	<b>Scale</b>	The ratio of the length in a drawing or a model to the actual object					
<b>Prism</b>	A solid shape with polygons at its end and flat surfaces	<b>Locus</b>	A set of points that follow a rule and form a line					
<b>Net</b>	A 2-D shape that can be folded to make a 3-D shape	<b>Equidistant</b>	At the same distance from another point or line					
<b>Plan View</b>	The view of an object from directly above	<b>Bisector</b>	A line that divides something into two equal parts					
<b>Front/Side Elevation</b>	The view of an object from the front or the side	<b>Congruent</b>	Exactly the same size and shape, but possibly a different <b>orientation</b>					
		<b>Orientation</b>	The position of an object based on the direction it is facing					
		<b>Hypotenuse</b>	The side opposite a right angle in a right-angled triangle					
Area, Surface Area and Volume								
<b>Perimeter</b>	The distance around the outside of a 2-D shape							
<b>Area</b>	The amount of space inside a 2-D shape							
<b>Compound Shape</b>	Also known as a composite shape. This is a shape made up of two or more other shapes							
<b>Surface Area</b>	The sum of the areas of all the faces							
<b>Capacity</b>	How much space a 3-D <b>shape</b> holds							
<b>Volume</b>	The amount of space taken up by a 3-D shape							
<b>Cross-section</b>	The shape that runs along the length of a <b>prism</b>							
<b>Litre</b>	1 litre = $1000\text{cm}^3$							
Volume								
<b>Cuboid</b>	Volume = $b \times l \times h$							
<b>Prism</b>	Volume = $CSA \times d$ (CSA-Cross Section Area)							
<b>Cylinder</b>	Volume = $\pi r^2 \times h$							
<b>Sphere</b>	Volume = $\frac{4}{3}\pi r^3$							
<b>Cone</b>	Volume = $\pi r^2 \times \frac{h}{3}$							
Trinity TV								
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# Science—Matter

## The Particle Model

Solid		Most dense. Particles in fixed positions. Vibrations only
Liquid		Moderately dense. Particles still touch but move randomly past each other
Gas		Least dense. Particles move randomly and quickly

## Key Term

### Definition

**Atom**  
The smallest particle of a chemical element that retains its chemical properties.

**Proton**  
The positively charged subatomic particle found within the atomic nucleus.

**Neutron**  
The neutral subatomic particle found within the atomic nucleus.

**Electron**  
The negatively charge subatomic particle found within the shells surrounding the atomic nucleus.

**Density**  
Density tells us how much mass there is in a certain volume.

$$\text{Density } (\text{kg/m}^3) = (\text{mass } (\text{kg}) / (\text{Volume } (\text{m}^3)))$$

**Volume**  
The amount of space atoms in a substance/ object take up.

**Temperature**  
A measure of the average kinetic energy of the particles in a system. Measured with a thermometer using  ${}^\circ\text{C}$  or K

**Specific latent heat**  
The energy needed to change the state of 1kg of a material. The units are J/kg.

$$\text{Energy} = \text{mass} \times \text{SLH}$$

**Specific heat capacity**  
The energy needed to change the temperature of 1kg of a material by  $1^\circ\text{C}$ . The units of measurement are J/kg  ${}^\circ\text{C}$ .

$$\text{Energy} = m \times \text{SHC} \times \Delta T$$

**Gas pressure**  
A force on a container caused by the collision of particles with the container walls. Higher temperatures lead to higher pressure

**Eureka can**  
Equipment used to measure the volume of an irregular objects.

**Sublimation**  
A change of state from a solid to a gas.

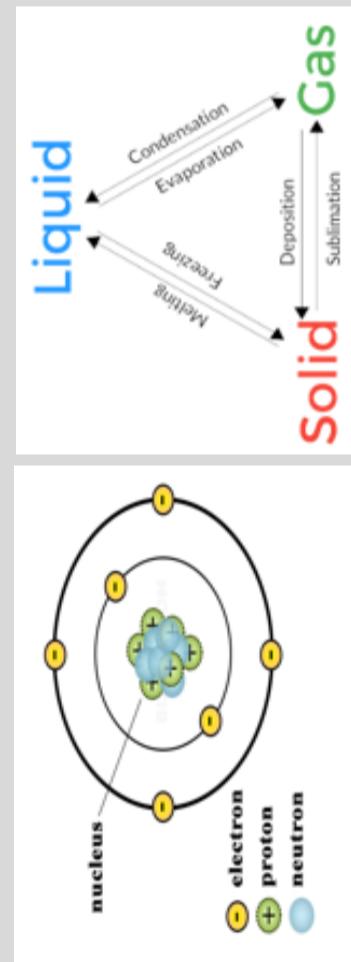
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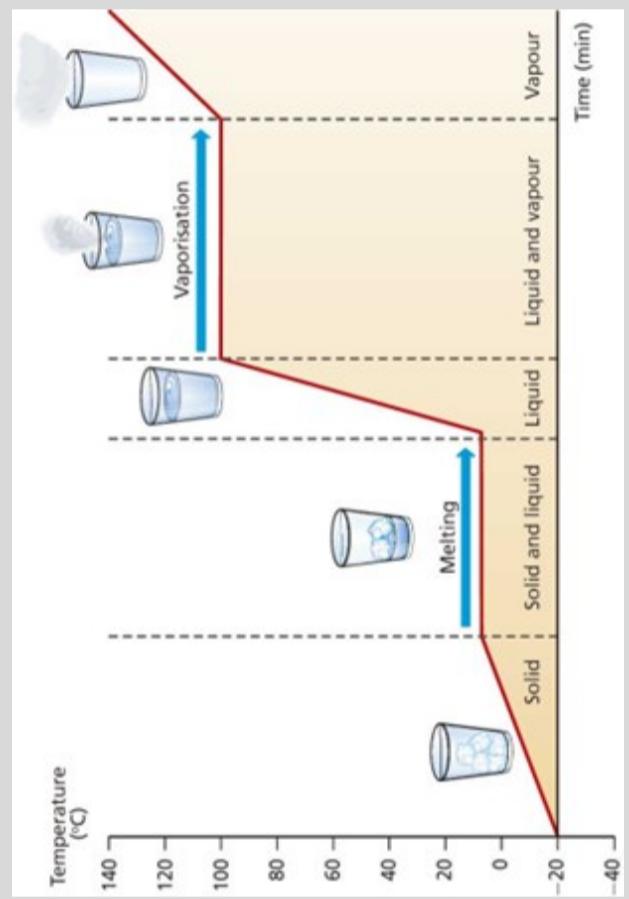


## Changing State & Density

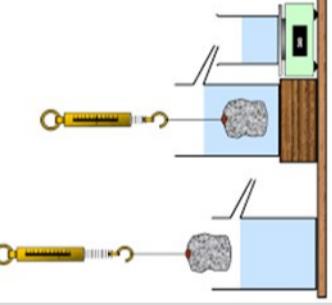


Subatomic Particle	Mass (mass unit)	Charge	Location
Proton	1	+1	Nucleus
Neutron	1	0	Nucleus
Electron	0.0005	-1	Shells surrounding the nucleus

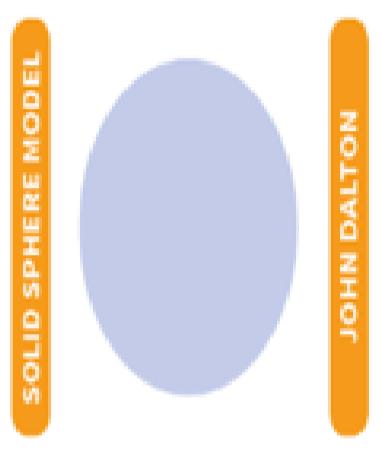
The typical atomic radius is  $1 \times 10^{-10}\text{ m}$



**Investigating Density**  
To determine the volume of regular objects use a ruler to measure the length, width and depth. These need to be multiplied to find the volume. To find the volume of irregular objects use a eureka can and measuring cylinder to measure how much water is displaced, this water has the same VOLUME as the object.  
The mass can be found using a mass balance. Apply the equation for density.

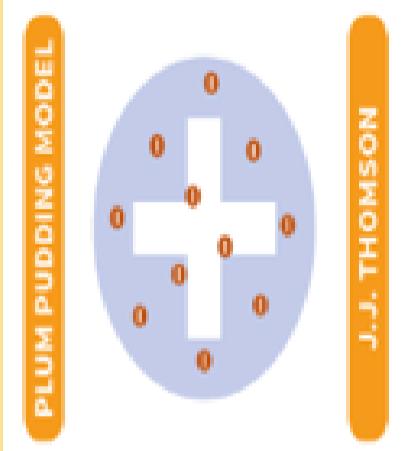


## History of the Atomic Model



SOLID SPHERE MODEL

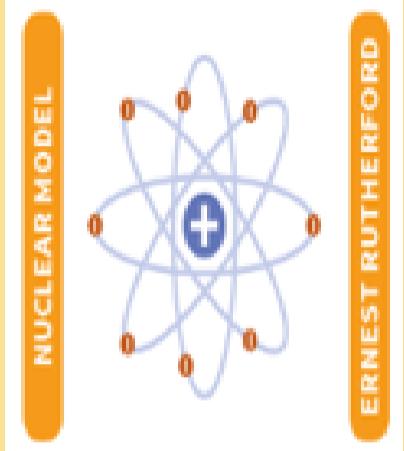
Dalton thought atoms were small indestructible spheres. All atoms of the same element are identical to each other.



PLUM PUDDING MODEL

JOHN DALTON

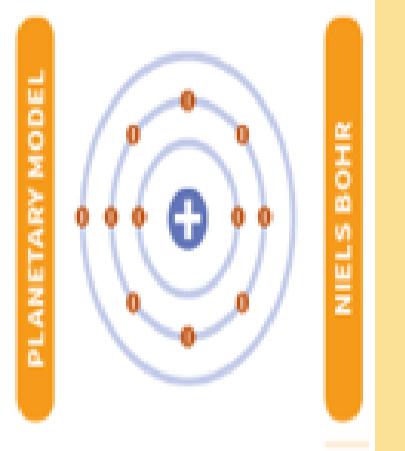
Thompson discovered the electron. He created the plum pudding model which shows negative electrons equally spread through positive matter.



NUCLEAR MODEL

J. J. THOMSON

Rutherford fired positively charged alpha particles at gold foil. Most passed through, some were deflected at small angles and some at large angles. This shows the majority of the atom is empty space with a small positive charge.



ERNEST RUTHERFORD

PLANETARY MODEL

NIELS BOHR

Bohr modified Rutherford's model by stating that electrons move around the nucleus in fixed orbits.

Year 9      Term 2

# Science—Elements, Compounds and Mixtures

Year 9 Term 2

## Key definitions

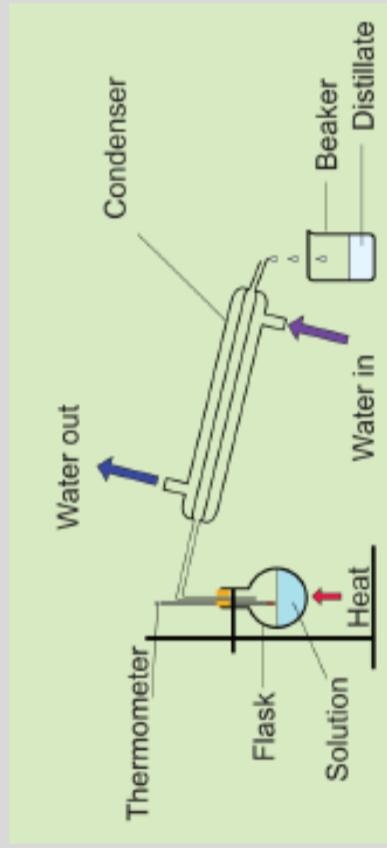
Soluble	A substance can dissolve
Insoluble	A substance cannot dissolve
Solvent	The liquid solute dissolves in
Solute	The substance that dissolves
Solution	Formed when a solute dissolves in a solvent
Pure substance	Consists of one element or compound
Impure substance	Contains more than one element
Relative atomic mass	The mean mass of an atom of an element compared to 1/12 the mass of a carbon-12 atom.
Relative formula mass	The mean mass of a unit of substance compared to 1/12 the mass of a carbon-12 atom.
Empirical formula	Shows the simplest whole-number ratio of the atoms of each element in a compound
Molecular formula	Shows the actual number of atoms of each element in a compound

## Separation Techniques

### Distillation

Heat the solution to evaporate the solvent.

The solvent cools and condenses and is collected.  
Will collect and separate both substances.



### Chromatography

#### Paper Chromatography

The stationary phase is the paper and the mobile phase is the liquid solvent (water)

#### Thin layer Chromatography

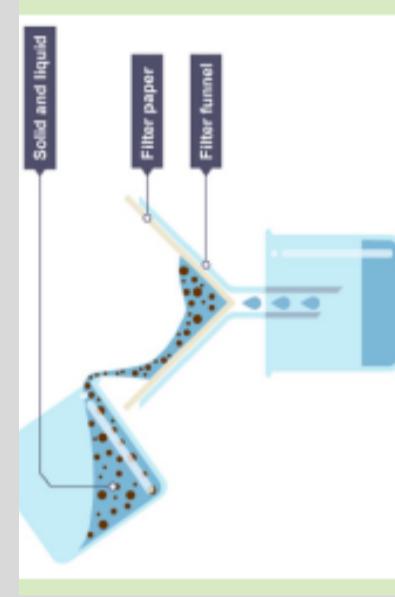
The stationary phase is a thin layer of silica or alumina powder and the mobile phase is the liquid solvent (water or ethanol)

#### Gas Chromatography

The stationary phase is silica or alumina powder or a dense gel. The mobile phase is an unreactive gas.

### Filtration

Separates an insoluble substance from a liquid.



### How to determine purity

Method 1: Use melting point data.

An impure substance melts over a range of temperatures or at a point that is lower than that of the pure substance.

Method 2: Use chromatography data

More than 1 spot or peak shows an impure substance

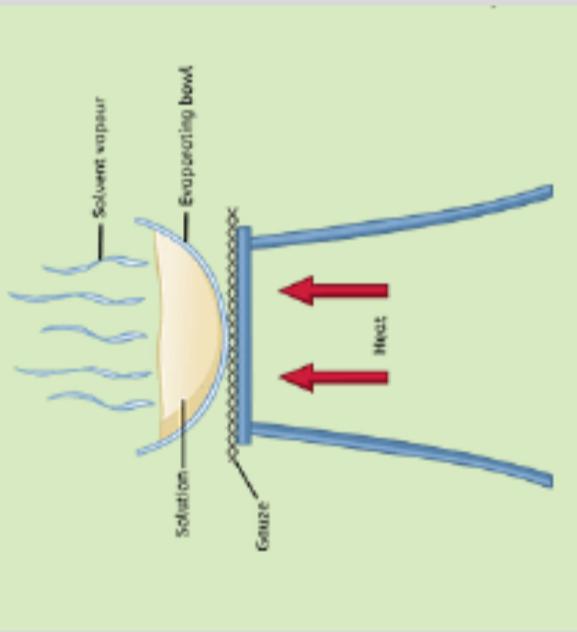
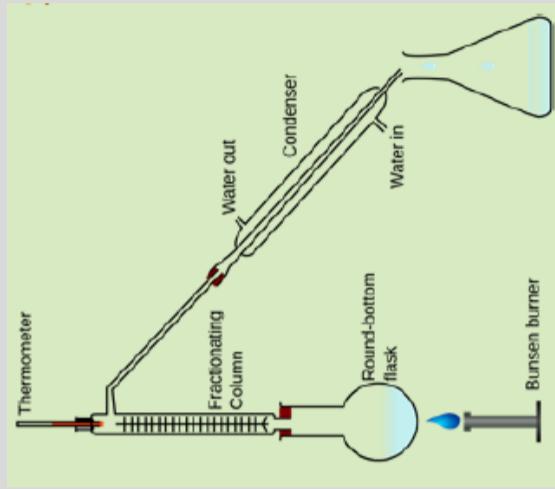
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### Fractional Distillation

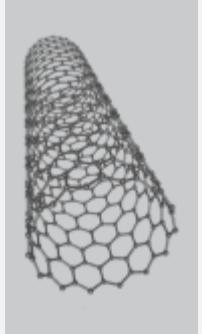
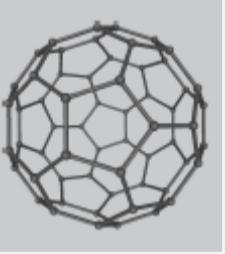
Separates a mixture of liquids.



# Science—Elements, Compounds and Mixtures

Year 9

Term 2

Carbon				
Allotropes of carbon: Graphite				
Name	Bonds per carbon	Conduct electricity	Uses	
Diamond	4	No	Saw blades and drill bits	<ul style="list-style-type: none"><li>A giant covalent structure</li><li>Each carbon is covalently bonded to 3 others.</li><li>Graphite is made up of layers held together by weak intermolecular forces. They can slide over each other.</li><li>There are many strong covalent bonds meaning that graphite has high melting and boiling points.</li><li>There are delocalised electrons meaning graphite can conduct electricity.</li></ul>
Graphite	3	Yes	Blast furnace linings, Pencils	
Graphene	3	Yes	Anti-corrosion coatings, Electronics	
Nanotubes	3	Yes	Electronics	
Buckyball	3	No	Lubricant and drug delivery	
Fullerenes				
				
<p><b>Nanotubes</b> A sheet of graphene rolled into a tube.</p>				
 <p>Buckyball Made of 60 carbon atoms (C<sub>60</sub>). Used to deliver drugs to cells and as lubricants</p>				
Trinity TV				
For more help, visit Trinity TV and watch the following videos: <a href="#">Trinity TV &gt; Year 9 &gt; Science</a>				

# History—How measly were the Middle Ages?

Year 9

Term 2



## Key Questions

Key Questions
<b>How important was the Church to everyday life?</b>
<ul style="list-style-type: none"> <li>The Church offered people an understanding of the world and some form of education.</li> <li>Priests would pray for the souls of the dead so that they could get into heaven.</li> <li>The Church acted as a meeting place for the people.</li> </ul>
<b>What was the Black Death?</b>
<ul style="list-style-type: none"> <li>In 1348 the Black Death arrived in England. The disease killed around 1/3 of the population. The people had no idea what caused it or how to treat it— they believed it was sent as a punishment from God.</li> <li>The country faced widespread food shortages after the Plague and many towns and villages were abandoned. Cures were superstitious and included using animals or whipping to please God.</li> <li>Symptoms included—a fever, large buboes, a rash on the body and then death.</li> </ul>
<b>What was The Peasants' Revolt?</b>
<ul style="list-style-type: none"> <li>The revolt started when tax collectors tried to collect the new Poll Tax to pay for King Richard II's war against France.</li> <li>Peasants were angry that they were still serfs and serving their King.</li> <li>The peasants demanded that they all be free and equal. The leader of the rebellion was a man called Wat Tyler.</li> <li>The King lied and promised them freedom, but the men involved in the revolt were quickly killed.</li> </ul>
<b>Who Healed the sick in Medieval England?</b>
<ul style="list-style-type: none"> <li>Physicians were professionally trained and university educated. They would look at the symptoms of the patient's symptoms and diagnose them.</li> <li>Barber surgeons were untrained surgeons, they learned their skills on the battlefield and would cut hair and do basic surgery.</li> <li>Apothecaries would mix herbal remedies— they had no formal education but would pass their skills and knowledge onto apprentices.</li> <li>People still believed in the work of Galen and Hippocrates.</li> </ul>
<b>What were Medieval Hospitals like?</b>
<ul style="list-style-type: none"> <li>Religious hospitals were run by the Church and were very clean</li> <li>Some charities opened specific hospitals for the mentally ill or those with contagious diseases like Leprosy</li> </ul>

## Key Words

Key Words
Measly
Tithes
Monasteries
Superstition
Islam
Relics
Priests
Latin
The Black Death
Peasants
Serfs
Miasma

Timeline
1025 Avicenna, the Islamic doctor, publishes his book 'The Canon of Medicine' with over 400 different cures.
1209 The University of Cambridge is established.
1215 The Magna Carta is signed by King John when he is forced by the Barons. The King holds too much control in England and is a poor military leader.
1348 The Black Death arrives in England
1381 The Peasants' Revolt takes place.
1357-1453 The Hundred Years War between England and France

## Key Individuals

King John	King John was forced to agree to the Magna Carta, which limited the power of the monarch.
Wat Tyler	The leader of the Peasant Revolt.
King Richard I	Richard was the 14 year old King who faced the Peasants Revolt in 1381.



The Islamic world was at the centre of scientific discovery whilst Britain used Urine Charts and Barber Surgeons to deal with sickness.

## Trinity TV

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Trinity TV > Year 9 > History



# Geography: How risky is our world?

Year 9 Term 2



## What increases hazard risk?

The risk of a hazard can be increased by several factors including location, magnitude, poverty, development of a country, and illness.

## Why do tectonic plates move?

- The earth consists of 4 layers, the inner core, outer core, mantle and crust.
- The crust is divided into sections called tectonic plates.
- An area where two tectonic plates meet is called a plate margin.



Plates move due to the processes of slab pull, ridge push and convection currents in the mantle

## Key Terms

How do earthquakes and volcanoes create risks?	
<b>Natural hazard</b>	A natural event that threatens people or has the potential to cause damage, destruction and death.
<b>Plate margin</b>	The margin or boundary between two tectonic plates.
<b>Hazard risk</b>	The probability or chance that a natural hazard may take place.
<b>Slab pull</b>	The dominant force driving plate movement where gravity pulls the oceanic crust into the mantle.
<b>Ridge push</b>	A type of plate movement where plates are pushed upwards to form a ridge, then forced away due to gravity.
<b>Tectonic plate</b>	A rigid segment of the earth's crust which can 'float' across the heavier, semi-molten rock below.
<b>Earthquake</b>	A sudden or violent movement within the Earth's crust followed by a series of shocks.
<b>Volcano</b>	An opening in the Earth's crust from which lava, ash and gases erupt.
<b>Effects</b>	Primary effects are caused directly by it, secondary effects occur as indirect impacts, sometimes on longer timescales.
<b>Responses</b>	The reactions of people to a disaster. Immediate responses happen immediately, long-term responses happen weeks, months and years after the event.
<b>Slab Pull</b>	<ul style="list-style-type: none"> <li>Dominant force driving plate movement.</li> <li>Old dense oceanic crust sinks into the mantle due to gravity, pulling the rest of the plate.</li> <li>This causes convection currents in the mantle</li> </ul>
<b>Ridge Push</b>	<ul style="list-style-type: none"> <li>Magma rises through the gap created by slab pull, pushing the plate up to form a ridge at the margin.</li> <li>It cools and forms a new oceanic plate which becomes more dense and pushes away from the ridge due to gravity.</li> </ul>
<b>Convection Currents</b>	<ul style="list-style-type: none"> <li>Magma is heated at the bottom of the mantle and rises to the surface, cools, and sinks back down. This creates convection.</li> </ul>
<b>Key Terms</b>	
<b>Natural hazard</b>	Three types of plate margin lead to hazards. Earthquakes occur at all three margins. Volcanoes do not occur at conservative margins.
<b>Plate margin</b>	<ul style="list-style-type: none"> <li><b>A destructive margin</b> is where plates move towards each other and the denser plate subducts into the mantle. This causes it to melt and become magma. Friction between the plates builds until it is released as a powerful earthquake. Magma forces its way through weaknesses in the crust to create violent volcanoes.</li> <li><b>A constructive margin</b> is where two plates are moving apart. Magma reaches the surface by filling the gap. New crust is created when the magma cools. Less powerful volcanoes occur when magma erupts through the weakness in the crust. Smaller earthquakes occur due to the build up of friction.</li> <li><b>Conservative margins</b> only create earthquakes when two plates slide past each other in opposite directions, or in the same direction at different speeds. Friction builds until it is eventually released as seismic energy creating an earthquake.</li> </ul>
<b>Haiti Earthquake 2010 (LIC)</b>	<b>New Zealand Earthquake 2011 (HIC)</b>
	<p>7.0 magnitude 230,000 people killed and 1 in 5 jobs lost. Cholera outbreak due to poor sanitation 98% of rubble remained after 6 months. The World Bank waived Haiti's debt payments for 5 years.</p> <p>6.3 magnitude 185 people killed. £28 billion in damages, with 2 further aftershocks four months later. Canterbury Earthquake Recovery Authority set up to provide 10,000 new homes.</p>
<b>How can we reduce the risk of tectonic hazards?</b>	
<b>Prediction and monitoring:</b>	Using scientific methods to predict when a hazard is going to occur e.g. satellite surveying changes in the movement of the earth, seismometers, historic seismic events.
<b>Protection:</b>	Building earthquake or volcanic eruption resistant infrastructure to protect individuals against the risk.
<b>Planning:</b>	Planning to reduce the risk by creating exclusion zones in areas most at risk, having emergency supplies ready in case of an evacuation and training emergency services to deal with the aftermath of a hazard.
<b>Why do people live in risky areas?</b>	<p>Some people decide that the negatives of moving outweigh the risks of the hazard e.g. if they have family in the area and want to stay or they simply can't afford to move. On the plus side, volcanoes can create very fertile farmland which is useful for agriculture and are tourism hotspots.</p> <p>In HCs some areas are very well protected against the hazard so the residents feel the risk is low.</p> <p>Volcanoes can also provide geothermal power which is renewable and sustainable.</p>
<b>Trinity TV</b>	<p>For more help, visit Trinity TV and watch the following videos:</p> <p>Trinity TV &gt; Year &gt; Subject</p>

# Religious Studies—What is Ethics?

Year 9      Term 2



## What is Utilitarianism?

Act Utilitarianism  
Act Utilitarianism was created by Jeremy Bentham. Bentham believed an action that brings the greatest amount of happiness to the greatest amount of people is the right action. This is because he believed that: ‘Nature had been placed under the governance of two sovereign masters; pain and pleasure’.

This quote essentially meant that people were controlled by doing the most pleasurable things and avoiding anything painful. For this reason Act Utilitarianism is considered hedonistic because it focuses on pleasure. It is also considered quantitative because it focuses on the amount of pleasure. It is also considered to be teleological because it focuses on the consequences of an action rather than the action itself. This means that awful crimes such as murder could be justified (allowed) as long as the consequences in the end were good.

In order to work out which action will produce the greatest amount of pleasure for the greatest number of people, Bentham created the Hedonic Calculus. This was a 7 step calculator to try and work out the consequences of an action before they even happened.

The 7 steps are:

1. Intensity - how intense will the pleasure be?
2. Duration - how long will the pleasure last?
3. Certainty - how likely is it that pleasure will occur?
4. Propinquity - how soon will the pleasure occur?
5. Fecundity - will the action lead to future pleasure?
6. Purity - will the action lead to future pain?
7. Extent - how many people will benefit from the action?

Bentham's Godson, John Stuart Mill, came along and said that there were too many problems with utilitarianism. He said it was too simple to just focus on pleasure and pain as humans are more complex than this. He famously said: “It is better to be a human dissatisfied than a pig satisfied.”

## Key Terms

What is Ethics?	
Key Terms	
<b>Ethics</b>	The principles that control a person's behaviour.
<b>Morality</b>	The principles of right and wrong.
<b>Meta Ethics</b>	The study of ethical language.
<b>Normative Ethics</b>	The study of ethical actions.
<b>Deontology</b>	Whether something is right or wrong is based on the action.
<b>Teleology</b>	Whether something is right or wrong is based on the consequence.
<b>Quantitative</b>	Relating to the quantity (amount) of something.
<b>Qualitative</b>	Relating to the quality of something.
<b>Legalism</b>	A system of rules that are always meant to be followed.
<b>Antinomianism</b>	A system of no rules and any action is acceptable.
<b>Ethical Theory</b>	Ethical theories attempt to clarify what is right and wrong and teach us how we should act.
<b>Moral Philosophy</b>	The study of the ethics and morality.
<b>Utility</b>	The state of being useful.
<b>Ambiguity</b>	When something doesn't have a set answer.
<b>Infallible</b>	Cannot be wrong

## Trinity TV

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1. Pragmatism - actions must achieve a loving outcome.
2. Personalism - we should always show love for people.
3. Relativism - the right action depends on the situation.
4. Positivism - our faith should include the most loving action.

# Computer Science—Python



Year 9 Term 2

## Boolean Operators

### Key Terms

Boolean Operators		Key Terms	
<b>AND</b>	The AND operator will output True if both sides are true, otherwise it will be False.	<b>Python</b>	A programming language close to English
<b>OR</b>	The OR operator will output True if either or both sides are true, otherwise it will be	<b>Syntax</b>	The rules of a language – how it is written and presented.
<b>NOT</b>	The NOT operator reverses the statement, if it's True it become False, if it's False it becomes True.	<b>Sequence</b>	Parts of the code that run in order
		<b>String</b>	A sequence of letters, numbers and symbols in quotation marks.
		<b>Function</b>	A piece of reusable code.
		<b>Variable</b>	A variable is storage location for values. The values can change.
		<b>Concatenation</b>	Adding strings and variables together.
		<b>Selection</b>	Use of logic commands to alter the flow of a program.
		<b>Indentation</b>	Moves code inwards to show it belongs to the same subsection of code
		<b>Integer</b>	Whole numbers, no decimal point.
		<b>Float</b>	Decimal Numbers.
		<b>Boolean</b>	Can only output the result of True or False.
		<b>Module</b>	A file containing a set of functions you want to include in your application.
		<b>Iteration (Loops)</b>	Repetition of a section of code for a set number of times or until a condition is met.
		<b>Random Module</b>	Allows the computer to generate a random number or option.
		<b>Comparison Operator</b>	When comparing data, a comparison operator is used to test the condition.

Python to English	
<code>print('hello')</code>	Prints a value on the screen
<code>input()</code>	Inputs a value into the computer
<code>x=input()</code>	Inputs a value and stores it into the variable x
<code>if name == 'Fred':</code>	'Checks to see if the variable 'name' has a value that is equal to 'Fred'
<code>else:</code>	The other option if the conditions for an if statement are not met (eg. name = 'Bob' when it should be Fred)
Variables / IF / ELSE / WHILE LOOPS	
<code>Fname = "Paul"</code>	A <u>variable</u> can hold a value that can be changed. We can assign a value to a variable by using an equals(=) sign.
<code>Sname = "Smith"</code>	
<code>print (Fname+Sname)</code>	
<code>name = input("What is your name")</code>	We can add 2 strings together using +, this is known as concatenating.
<code>print ("Your name is "+name)</code>	We can get a keyboard input from the user using the input function. This example will ask the user for their name and store it in the "name" variable. We can then print that value.
<code>obtainedKey = True</code>	Combine the inputs with other Strings to print a clear message.
<code>if obtainedKey == True:</code>	<b>If statements</b> allow a section of code to only run when a certain condition is met.
<code>    print ("Door opened")</code>	The print will only happen if the player has the key (the variable being True).
<code>score = 3</code>	<b>ELIF</b> and <b>ELSE</b> allows us to check variables against more conditions.
<code>if score == 3:</code>	We can have as many ELIF as we need but only one if and else in an else if statement block.
<code>    print ("Excellent")</code>	
<code>elif score == 2:</code>	
<code>    print ("Good")</code>	
<code>elif score == 1:</code>	
<code>    print ("Poor")</code>	
<code>elif score == 0:</code>	
<code>    print ("Terrible")</code>	
<code>else:</code>	<b>while loop</b> will keep repeating code until a certain condition is met. For example repeat until lives do not
<code>    print ("Not a valid score")</code>	
<code>lives = 3</code>	
<code>while lives != 3:</code>	
<code>    answer = input("enter the correct password")</code>	
<code>    if answer == "3nt3r" :</code>	
<code>        print ("access granted")</code>	
<code>    else:</code>	
<code>        lives=lives-1</code>	

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