

Shell Periodic	nucleus	nucleus a table of the chemical elements arranged in		Sphere Model	spheres	Positive Ion	an atom or molecule with a positive
Table	order of atomic number		1.1	Plum Pudding Model Nuclear Model	negative electrons evenly spaced in a positive mass mostly empty space with a positive mass		charge due to the loss of electrons
Group	a column in the periodic table in which elements have the same number of outer shell electrons		Thompson			Negative Ion	an atom or molecule with a negative charge due to the gain of electrons
Period	a row in the periodic table in which elements have the same number of shells		Ernest Rutherford			Isotope	atoms of the same element with
Er	nergy Level	Number of Electrons	Kutherioru	Model	in the centre		the same number of protons but a different number of neutrons
	2	8	Niels Bohr	Planetary Model	electrons are in shells which orbit the	Model	a description or analogy that explains
	3	8			nucleus		the physical world

Science	Science		Physics Unit 1			Term 2	Trinity Academy Cathedral	
1: Density		2: Calculating	3: Heating and Cooling Graphs					
Density Volume of a Regular Object Mass Balance Zero Error	the mass per unit volume calculated by length x width x height a piece of equipment used to measure the mass of an object any indication that a measuring system gives a false reading when the true value of a measured quantity is zero	Eureka/ Displacement Can Displaced Irregular Measuring Cylinder	used to measure the displacement of water when an object is lowered into it when something is moved from it's original position not even or balanced in shape or arrangement a piece of equipment used to		Change of the process of one state of matter changing to another Melting Point the temperature at which a given solid will melt to a liquid Boiling Point the temperature at which a liquid boils and turns to vapour Freezing the process by which a liquid turns into a solid Melting the process by which a solid turns into a liquid Evaporation the process by which a liquid turns into a gas			
kg/r	ű	Calculate	determine the amount or number of something mathematically	temperavapour Condensation the pro-		ocess of bringing a liquid to the rature at which it bubbles and turns to rocess by which a gas turns into a liquid		
4: Specific Lat	ent Heat	5: Specific He	6: Gas Pressure					
Latent	lying dormant or hidden	Capacity	the amount that something can contain	Collision		vhen two or more objects come nto contact with each other		
	the energy needed to change the state of 1kg of a substance without changing its temperature	Specific Heat Capacity		Gas Pressure	ex wi	the name given to the force exerted by gas particles colliding with the wall of their container		
7	the energy needed to change the state of 1kg of a substance from a solid to a liquid or vice versa the energy needed to change the state of 1kg of a substance from a liquid to a gas or vice versa	Joulemeter	- proces or order process or	Temperature and Gas Pres	ssure high	e higher the temper gher the gas pressur	re	
Fusion		Thermometer	a piece of equipment used to measure temperature	Volume and Pressure	Gus	e higher the volume e gas pressure	e the lower	
Latent Heat of		Energy (J) =	·	Particles all		gases, particles move rapidly in directions		
Energy (J) = ma	ss (kg) x specific latent heat (J/kg)		temperature (°C)	Pressure (Pa) = force (N) ÷ area (m²)				