High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 8

Thread 2— Particles and radiation



	Physics Thread 2	Progress		
Торіс	Key ideas	R	Α	G
Particles and radia- tion	I can describe factors that affect pressure in liquids			
	I can explain factors that affect pressure in gases			
	I can explain what is meant by atmospheric pressure			
	I can explain Brownian motion			
	I can explain what density is and how we calculate it			
	I can relate density to floating and sinking			
	I can explain what diffusion is			
	I can identify factors that affect diffusion			
	I can explain what is meant by internal energy			

Lesson	Learning Focus	Assessment	Key Words
1	What factors affect pressure in liquids?	Completion of differentiated tasks and application work	Pressure, liquid, depth
2	What is atmospheric pressure?	Application of pressure in gases to different contexts	Pressure, gas, tempera- ture, volume
3	What is Brownian motion?	Application of Brownian motion to different contexts	Brownian motion, movement, energy, par- ticles
4	What is density?	Completion of practical work and con- clusions drawn	Density, mass, volume, float, sink
5	What is diffusion?	Explanation of how different factors affect diffusion, and consideration of applications of these	Diffusion, surface area, temperature, concen- tration
6	What is internal energy?	Completion of differentiated tasks linked to internal energy	Internal energy, kinetic, potential, bonds