Barnsley Academy – (Year 7 - 7CP) Curriculum
Scheme of Work – 2023-24

Term 1 – Week 2				
	1	2	3	4
Lesson Focus	Big Picture – success criteria.	Gas pressure	Particle model in a solution	Pure and impure
Prerequisite Knowledge	What knowledge are they building on (previous units/years)? Informs Do Now/Retrieval.	Particle movement and forces of attraction in states of matter	Key words – soluble and insoluble	Particle model
Core Knowledge	Key terms and agreed definitions, any other key information essential to students, succeeding. In practical subjects this can include skills.	Describe gas pressure with reference to particles and collisions Describe and explain the effect of temperature on gas pressure in terms of particles Describe and explain the effect of volume and altitude on gas pressure	Draw a particle model for a solution. Identify the solvent, solute and solution in given examples Explain the term conservation of mass and make accurate measurements to test the conservation of mass theory	Define a pure substance and link this to melting and boiling points Define the term mixture and identify when a substance is pure or impure Describe simple separation techniques
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)	Name the steps that student need to take – agreed department approach.		Model of a solution video	Visual models of substances
Independent Practice	The task and reference back to the Big Picture Slide	IP 1 – Gas pressure in tyres and balloons IP2 – Temperature and pressure IP3 – pressure at different altitudes	IP 1 – Draw solution and describe what it is IP2 – Identify solute, solvent, solutions IP3 – Practical IP4 – Evaluation of practical	IP1 – describe difference between pure and impure IP2 – Difference between mixtures, compounds and elements IP3 – methods of separation

Assessment (Informal/Formal)	Circulation/live feedback/self-assessment/class assessment/whole class feedback (marking cycle)/quiz.	IP – circulation of room Learning checks Students to self-assess all tasks	IP – circulation of room Learning checks Students to self- assess all tasks	IP – circulation of room Learning checks Students to self- assess all tasks
Resources	(Hyperlink)			
Specific SEN(D)/EAL support	Overview for the lesson – can be repeated strategies	LAP and HAP version of some IP tasks		HOP, MAP and LAP versions