

Year 8 Science - What's the Matter

Week	Lesson	Topic	Resources
1	1	Staff Day	
	2	Pre-quiz - Particle Theory and Theories of Atomic Structure	pre-test worksheets and powerpoint
	3	How do we classify things? + Activity Periodic Table	Yellow Workbooks. Bags of different shaped pasta and lollies, balloons, sequins etc.
	4	Observations and Descriptions Activity	Different objects in bags. One or two for each student. https://www.youtube.com/watch?v=m55kgyApYrY
2	5	Activity - choose 3 objects around the room, research which elements they contain and classify as metals/non-metals, and state the properties of each element.	Laptops
	6	Stile - Solids, Liquids and Gases: Changing States	Laptops, Stile pages
	7	Solids, Liquids and Gases - Every day uses	Laptops
	8	Slime Prac - Classify State according to properties - Formative - Record observations and make conclusions	Slime Making equipment as per RiskAssess form https://www.youtube.com/watch?v=JkS1ymQ73oc
	9	Elements, Molecules, Compounds and Mixtures - brainstorm + poster-	Crystal making equipment as per Risk Assess Form
3	10	Prac - Crystals	Crystal making equipment as per Risk Assess Form
	11	Design Prac	Design Prac task sheets (blue)
	12	Mixtures Prac - Ink Chromatography	Chromatography Practical equipment as per RiskAssess form
	13	Non- Metal Compounds + Metal Mixtures/Alloys and Naming Elements	Red Chemical Reactions Booklet Starts
4	14	Design Prac	
	15	Physical v Chemical Change - Practical	Chemical v Physical Change practical equipment as per RiskAssess form
	16	Change - physical v chemical change - Short Intro to Word Equations	

	17	Design Prac	
	18	Naming Compounds and Word Equations	Design Prac Due What groups elements belong to
5	19	Prac - Observing Reactions.	Observing Reactions Practical equipment as per RiskAssess form
	20	Prac Write up	Red Chemical Reactions booklets
	21	Research Task - Endothermic and exothermic reactions	Laptops
	22	States of Matter and Periodic Table Revisited	Worksheet in red booklets
6	23	Chemical Equations Practice and elements quiz	Quiz questions and chemical reactions video. https://www.youtube.com/watch?v=FofPjj7v414
	24	Everyday Reactions - photosynthesis, respiration etc.	Red booklets and laptops
	25	Test Revision	Orange revision booklets and answer booklets
	26	Test Revision	
	27	Topic Test	Topic Test booklets