

Barnsley Academy – (Year10 and Combined Science) C1- Periodic Table
Scheme of Work Week 3 – 2023-24

Term – Week ...				
	1	2	3	4
Lesson Focus	Development of the Periodic table	Why do atoms react?	Group 1	Group 7
Prerequisite Knowledge	8CP- Group numbers Lesson 8- Electronic structure	Lesson 8- Electronic structure	Lesson 8- Electronic structure Lesson 10- Why atoms react 7CC- Acids and Alkali	8CP- Periodic table Lesson 8- Electronic structure Lesson 10- Why atoms react
Core Knowledge	<ul style="list-style-type: none"> Describe the layout of the modern periodic table Describe how the periodic table was developed as new evidence was discovered Describe the differences between early versions of the periodic table and the modern one 	<ul style="list-style-type: none"> Describe what happens in terms of electrons when metals and non-metals react Explain why group 0 do not react in terms of electrons Describe and explain trends in physical properties of group 0 	<ul style="list-style-type: none"> Describe physical and chemical properties of the group 1 elements Write equations to represent the reactions of group 1 metals with water Describe and explain trends in reactivity of group 1 	<ul style="list-style-type: none"> Describe trends in physical properties of group 7 elements Describe trends in reactivity going down group 7 Explain the trend in reactivity in group 7
Expert Model /Guided Practice/Agreed Approach (Procedural Knowledge)		- How ions form and what charge they form	- Steps to explain reactivity of group 1	- Steps to explain reactivity of group 7
Independent Practice	IP1- Modern Periodic table exam q IP2- Development of Periodic table exam q	IP1- Ion formation exam q IP2- Noble Gas exam questions	IP1- Observations of reactions of group 1 IP2- Explaining the reactivity of group 1	IP1 – Properties of group 7 IP2- Explaining the reactivity of group 7
Assessment (Informal/Formal)	<ul style="list-style-type: none"> Circulation Live marking Whiteboard checks Exam questions (IP) 	<ul style="list-style-type: none"> Circulation Live marking Whiteboard checks -Exam questions (IP)	<ul style="list-style-type: none"> Circulation Live marking Whiteboard checks -Exam questions (IP)	<ul style="list-style-type: none"> Circulation Live marking Whiteboard checks -Exam questions (IP)
Resources				

Specific SEN(D)/EAL support				
------------------------------------	--	--	--	--