

Y9 Chemistry progression

LDU is responsible for updating lessons and uploading Kerboodle resources

Key:

Separates only content

Assessment: Y9 teacher teaching physics to organise. All classes to do the same assessment.

Required practical: See Y10 folder for guidance and practical sheets - To be written up in a 'skinny yellow exercise book' Name, class, and Required practicals on the front.

Have students divide it into thirds - Biology required practicals - page 1 in first third; Chemistry required practicals - page 1 in second third; Physics required practicals - page 1 in final third of lab book.

Absent students **MUST** copy up and record results. Other students perhaps take photographs? (Very good onion cell photos taken through the eyepiece lens of the microscope with 9sc1 last year)

Lesson	Spec and Topic	Homework/ Assessment	Timecheck/ Assessment responsibility
Topic 1: Atomic structure and periodic table			
01	Periodic table basics		
02	Elements mixtures and compounds		
03	Separating mixtures	Homework	Self/ peer
04	Atomic structure		
05	Electronic structure		
06	History of the periodic table (possible ICT lesson)	Targeted revision homework	Self/ peer
07	The alkali metals		
08	Mid topic assessment		PENS teacher assessment
09	Assessment review and next steps	Targeted moving forward homework	Self/ peer
10	Trends in physical properties		
11	The noble gases	Targeted revision homework	Self/ peer
12	End of topic common assessment		PENS teacher assessment
13	Atomic structure and periodic table next steps	Targeted moving forward	Student NS response

		homework	
Topic 2: Chemical bonding			
14	Bonding		
15	Forming ions		
16	Ionic formulae	Homework	Self/ peer
17	Covalent bonding		
18	Simple molecular structures		
19	Giant covalent structures	Targeted revision homework	Self/ peer
20	Identifying bonding		
21	Polymers		
22	Chemical bonding common assessment		PENS teacher assessment
23	Chemical bonding common assessment review and next steps	Targeted moving forward homework	Student NS response
Topic 3: Chemical formulae and equations			
24	Chemical formulae and equations		
25	Balancing chemical equations	Homework	Self/ peer
26	AfL balancing equations task		PENS teacher assessment
27	Chemical formulae and equations assessment review and next steps	Targeted moving forward homework	Student NS response