The following gives some examples of the level of work covered in Chemistry at Key Stage 5, including details of how we expect students to set out their work and engage with feedback received. There is a strong correlation between the excellent diligence illustrated and student progress.

All work has a clear title and date In Isotopes and Relative Atomic Mass 05/09/2024 * Mass of an electron = 1836. RELATIVE RELATIVE PROTON +1 1 0 NEUTRON ELECTRON 1836 -1 Relative Homic Mass. $0 \frac{0.56(84) + 4.86(86) + 7(87) + 82.58(88)}{100}$ = RAM RAM = 87.7104 = 87.74 (35) * Appropriate precision: maintain minimum s.f. should be 88 (25) RELATIVE ATOMIC MASS: (Ar) - the AVERAGE mass of an atom of an element (taking into account all of its isotopes) relative 1/12 of the Mass of a 12C == Word atom . Nor. Student answers are checked in green pen with additional exam technique 3 87.4N= x=100-9.86-7-82.56 points flagged clearly Key term definitions and other important 0.56(x) + 9.86(86) + 7(87) + 82.58(88) = 87.71key phrases are emphasised. 0.56 x + 8724 = 8771 0.56x = 8771 - 8724 Calculations are laid out with 0.56 x = 47 clear working, showing each x = 83.928 step so the logic in their = 84 (258) .1 thought process is clear. Integets should be used for mass number.

W	CPAC 3: Me e	J.	ect d	temperature on rate
		91		,

XX

Core practicals are written up in detail with clear results tables.

	ESULTS:	File Anonadure 19	AV6. TEMPERMURE(9)	Trate (e)	1000 (S
2		END (EMPERATURE (C)) 18	18	123.80	8.08
	18 20	20	20	105.42	9.49
		35	35	46.27	21.6
	35 40	40	40	36.74	27.22
			45	26.SI	37.72
	4S 50	45	50	19.00	52.63
	55	SO SS	55	15.69	63.73
	QUESTIONS:		are completed		
Ô	le tomporturo	increases, E	uso invennes at		er, exponent
0	As temperature increasing rate. I disappear decret	lus, as-temparatum men at a non	ulso increases at 2 increases, time - Unear, apponentia	taben for the c My decreasing	rate.
0	As temperature increasing rate 1 disappear decrea Astemperature increases such	WS, astemperatur wes at a non increases the kine that him collide u	uso invennes at	taben for the c taben for the c My decreasing e reactant p nd allide mar	note. note. panilles

corrections in green pen using hints from the teacher marking. (9/22) Excellent detail and clarity havener ut could be [preuse] (E) more concise with clearer comparisons rec HW Structure + Bonding - Diagnostic Questions 2024 1) In white phosphoros, there are individual P4 molecules held tradiller by weak intermolecular pross, and as little energy is required to Ml: Red has where we. overcome these weak intermolecular proces this white drosphoros, a m2: strate simple release, has a low melting point. On the contrary, in red (444) phosphoros, a giant covalent substance, a lot of energy required 1 MS; NODE IM press in mile populato break the very Many very shong covalent bonds benteen the my: shall use phosphoros diloms thut's need phosphoros has a Men MA pourt gire a whilst white phosphores has a imparatively very TOW melti Dowt Comparison CONTPARISON An И. 1 . 1.0 -11

Students engage with teacher marking, writing detailed

GENERAL:	Students reflect and routinely record advice or feedback on how they can improve for next time.			
* Be precise - not pist "high" and "low " - use "higher" or "lover" * Think about definitions of beay terms in question. * Be cancede alive possible.				