Subject Grade Information Sheet – Summer Series 2021

A Chance To Shine

Subject Chemistry A Level

1) What evidence do you already have that may be used for grading?
PPEs summer 2020 and January 2021
End of topic tests
Marks for homework activities

2) What "Chances to shine" are you providing to improve the evidence in 1)?

Please add them to the "Chance to Shine timetable" and describe them here, adding reference/links to revision materials recommended for each shine task

Compulsory: A2 2020 Papers 1 and 2 – each divided across 3 sessions. Details of topics covered in each paper shared with students.
Optional: AS 2020 Papers 1 and 2 – each divided across 2 sessions. Details of topics covered in each paper shared with students.
In preparation students should refer to text book, physicsandmathstutor.com, in-class resources. All lessons since 8/3/21 have been revision.

3) When will these be and how will you prepare students for them?
Compulsory 26, 27, 28 April, 4, 5, 6 May
Optional 18, 19, 20 ,21 May

4) How will you inform students and parents about specific "Chance to Shine" opportunities?
Students already informed and details of dates and content emailed to them.

5) Will the "chance to shine" task be available remotely? If so, where?
In the event of bubble-down or individual absence the papers will be emailed to students.

6) What form will your portfolio of evidence take and what will it contain?
Spreadsheet of test results from across the two years. PAG folders. Copies of 'chance to shine' papers. Links to PPEs completed during lockdowns.

7) How will you be checking/moderating grades?

Only one class so EC and I will work together to ensure accuracy.

8) How will you ensure students can see their portfolio of evidence? When will this be?

Available from 22/5 for any students who wish to view.

Paper	Date	Marks	Topics
A2 Paper 1	26/4 10-11 (+15)	43	Structure & bonding, Born-Haber Cycle, Enthalpy, Entropy, Equilibrium, Gibb's free energy, Acids (ka, pH, buffers),
	27/4 10-11 (+15)	42	Electrode potentials, redox, fuel cells, Rates (order of reaction, kc), halogens, transition metals (ligands & complexes)
	28/4 12.20-1.20 (+15)	15	Multi-choice
A2 Paper 2	4/5 8.45-9.45 (+15)	38	Stereoisomers, free radical mechanism, reactions of benzene (reactants and conditions), C-NMR, alcohols (reactions, solubility, polymerisation)
	5/5 10-11 (+15)	45	Homologous series, functional groups (including chemical tests), mechanisms, organic synthesis, yield calculation, amines, amides, amino acids, empirical formula, IR spectroscopy, H-NMR
	6/5 10-11 (+15)	15	Multi-choice
AS Paper 1	18/5	36	Multi choice Electron configuration, mas spec, properties of metals, pV=nRT
	19/4	34	Calculating concentration's, titrations, preparation of standard solution, Hess Cycles, Boltzmann Distribution, reactions of alkenes and alkynes
AS Paper 2	20/5	40	Redox reactions, mole calculations, chemical tests to identify anions, enthalpy of combustion, uncertainties, Periodic Table, periodicity across period 4, naming compounds, disproportionation
	21/5	30	Dot and cross diagrams, bond angles, equilibrium (Kc), isomers, alcohols (including reactions), atom economy, mechanisms, mass spec, IR spectroscopy,
AS Extra	24/5	tbc	tbc
	25/5	tbc	tbc
	26/5	tbc	tbc
	28/5	tbc	tbc