

Year 11 Chemistry transition work 2020

For your 6-week transition work I have provided a booklet covering the basics of Quantitative Chemistry. This is the bread and butter of quantitative chemistry which covers a huge proportion of the course. It is imperative that you understand all the concepts covered in the booklet in order to succeed in A-level Chemistry. The table below outlines what you should cover in each session per week. Once you have completed the tasks in each session, mark your work. Answers can be found at the back of the booklet (pages 35-38).

Session	Topic and page numbers	Resources
1	Formulae: pages 2-3 Equations: pages 4-7	Compounds, formulae, equations, moles help sheet https://www.youtube.com/watch?v=Rst4sxwumL4
2	Significant figures and standard form: pages 8-9 The mole and Avogadro's constant: page 10	Compounds, formulae, equations, moles help sheet https://www.youtube.com/watch?v=Pml4Z4BJbc https://www.youtube.com/watch?v=dO0kjefmunk
3	Reacting mass calculations: pages 11-19	Compounds, formulae, equations, moles help sheet https://www.youtube.com/watch?v=NrkWpGzGViE https://www.youtube.com/watch?v=MKyzlKxjdSg https://www.youtube.com/watch?v=--3gzdOpz9I
4	Gas calculations: pages 20-27	Compounds, formulae, equations, moles help sheet https://www.youtube.com/watch?v=8KahRZPDiHE
5	Solution calculations: pages 28-31	https://www.youtube.com/watch?v=b1lfMuVo3aA
6	Empirical and molecular formulas: pages 32-34	Compounds, formulae, equations, moles help sheet https://www.youtube.com/watch?v=Djt3ktFeBys