



Cardinal Heenan Catholic High School

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GCSE Chemistry – Half Term 3 CPL Schedule

This schedule is designed to help you to focus your revision each week and weekend for GCSE chemistry. It is based on the most common areas for improvement for the class based on the December mocks.

You will have a weekly quiz to check this revision.

Date	Topic	Revision Youtube clips	Practice Exam Questions	Sparx Independent codes
Monday 5 th January 2026	Ionic Bonding and Electrolysis Solutions New revision guide page 29 and 58-59 Problematic Question Describe what happens to calcium atoms and chlorine atoms when the ionic compound calcium chloride is formed	https://www.youtube.com/watch?v=XbDtmORzKO8 https://www.youtube.com/watch?v=6WjC_Vi4roA		R868 R298 R866
R868 R298 R866	Chemical cells New revision guide page 64 Problematic Question The voltage produced by a chemical cell depends on the concentration of the electrolyte solution. Plan an experiment to investigate how the voltage produced by a chemical cell varies with the concentration of the electrolyte solution. The following substances are available: <ul style="list-style-type: none">- The metal electrodes in table 3- 1.0mol/dm³ sodium chloride solution- Pure water	https://www.youtube.com/watch?v=riikUBLFBJs		R836 R120
Monday 19 th January 2026	Percentage by Mass and Volume of Gas Equation New revision guide page 46 Problematic Question Fe ₂ O ₃ reacts with carbon to produce carbon dioxide. The equation for the reaction is $2\text{Fe}_2\text{O}_3(\text{s}) + 3\text{C}(\text{s}) \rightarrow 4\text{Fe}(\text{s}) + 3\text{CO}_2(\text{g})$ Calculate the volume of carbon dioxide gas at room temperature and pressure that is produced from 40.0Kg of Fe ₂ O ₃ using excess carbon	https://www.youtube.com/watch?v=VaXQV ol3gtc https://www.youtube.com/watch?v=tYE-1nywIFs&t=32s https://www.youtube.com/watch?v=OzutTIO sYd0		R497 R463



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Monday
26th
January
2026

MOCK WEEK

Monday 2nd
February
2026

Properties of Simple Covalent Molecules and Bond Energies

New revision guide page 32 and 63

Problematic Question
Explain why propane has a low boiling point

https://www.youtube.com/watch?v=u_KR0UaZFkY

<https://www.youtube.com/watch?v=eExCBkp4jB4>

<https://www.youtube.com/watch?v=PdValXAVUOc>



R283
R769

Monday 9th
February
2026

Calculating the Rates of a Chemical Reaction

New revision guide page 71

Problematic Question
Determine the mean rate of reaction for small calcium carbonate lumps between 20s to 105s. Give the unit.
You need to calculate the gradient of the line here, using rise over run

<https://www.youtube.com/watch?v=UkrBJ6-uGFA&list=PL9IouNCPbCxW8AN0t0py7LaKdKSwfL3fP>



R771
R280



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