

Edexcel IGCSE Combined Science: Chemistry

Teaching Schedule – Year 1

Thursdays at 11:00 – 11.45 am					
Term	Date	Unit	Topic	Lesson	Lesson title
1	12/09/2024	1	Fundamentals	1	Hazards and apparatus
1	19/09/2024	1	Fundamentals	2	Naming and formulae
1	26/09/2024	1	Fundamentals	3	Formulae II
1	03/10/2024	1	Fundamentals	4	Equations I
1	10/10/2024	1	Fundamentals	5	Equations II
<i>Fundamentals - revision and assessment set</i>					
1	17/10/2024	1	Matter	1	States of matter
1	24/10/2024	1	Matter	2	Diffusion and dissolving
Half term break					
2	07/11/2024	1	Matter	3	Elements, compounds and mixtures
2	14/11/2024	1	Matter	4	Chromatography
2	21/11/2024	1	Matter	5	Atomic structure
2	28/11/2024	1	Matter	6	Periodic Table
<i>Matter - revision and assessment set</i>					
2	05/12/2024	1	Inorganic 1	1	Reactivity Series
2	12/12/2024	1	Inorganic 1	2	Displacement reactions
2	19/12/2024	1	Inorganic 1	3	Rusting and prevention
Holiday break					
3	09/01/2025	1	Inorganic 1	4	Acids and alkalis
3	16/01/2025	1	Inorganic 1	5	Acids and bases
3	23/01/2025	1	Inorganic 1	6	Salts
3	30/01/2025	1	Inorganic 1	7	Making a salt
<i>Inorganic Part 1 - revision and assessment set</i>					
3	06/02/2025	1	Organic 1	1	Intro to organic
3	13/02/2025	1	Organic 1	2	Crude oil
Half term break					
4	27/02/2025	1	Organic 1	3	Fuels
4	06/03/2025	1	Organic 1	4	Alkanes I
4	13/03/2025	1	Organic 1	5	Alkanes II
4	20/03/2025	1	Organic 1	6	Alkenes
<i>Organic Part 1 - revision and assessment set</i>					
4	27/03/2025	1	Moles	1	RFM and moles
4	03/04/2025	1	Moles	2	Reacting mass
4	10/04/2025	1	Moles	3	Percentage yield
Holiday break					
5	01/05/2025	1	Moles	4	Empirical I
5	08/05/2025	1	Moles	5	Empirical II
5	15/05/2025	1	Moles	6	Moles practicals
5	22/05/2025	1	Moles	7	Avogadro
Half term break					
6	05/06/2025	1	Moles	8	Limiting reagent
<i>Moles - revision and assessment set</i>					
6	12/06/2025	1	Physical 1	1	Energetics Introduction
6	19/06/2025	1	Physical 1	2	Energetics calculations
6	26/06/2025	1	Physical 1	3	Energetics Practicals I
6	03/07/2025	1	Physical 1	4	Energetics Practicals II
<i>Physical 1 - revision and assessment set</i>					
6	10/07/2025	1	Revision		Paper 1 Practice
6	17/07/2025	1	Revision		Paper 1 Practice
Summer break					

Teaching Schedule – Year 2

Term	Date		Topic	Lesson	Lesson title
1	4/09/2025	1	Paper 1 Revision	1	Fundamentals and matter
1	11/09/2025	1	Paper 1 Revision	2	Inorganic
1	18/09/2025	1	Paper 1 Revision	3	Organic
1	25/09/2025	1	Paper 1 Revision	4	Moles and Physical
<i>Paper 1 mock due 1/10</i>					
1	2/10/2025	2	Structure and bonding	1	Ions and formulae
1	9/10/2025	2	Structure and bonding	2	Ionic dot and cross
1	16/10/2025	2	Structure and bonding	3	Giant ionic properties
1	23/10/2025	2	Structure and bonding	4	Covalent dot and cross
Half term break					
<i>Paper 1 Exam Dates TBC</i>					
2	6/11/2025	2	Structure and bonding	5	Simple molecular properties
2	13/11/2025	2	Structure and bonding	6	Giant covalent
2	20/11/2025	2	Structure and bonding	7	Identifying structure types
<i>Structure and bonding - revision and assessment set</i>					
2	27/11/2025	2	Inorganic 2	1	Group 1
2	4/12/2025	2	Inorganic 2	2	Group 7
2	11/12/2025	2	Inorganic 2	3	Redox
2	18/12/2025		Inorganic 2	4	Atmospheric
Holiday break					
3	8/01/2026		Inorganic 2	5	Thermal decomposition
3	15/01/2026		Inorganic 2	6	Percentage Oxygen
3	22/01/2026		Inorganic 2	7	Chemical tests – gases and cations
3	29/01/2026		Inorganic 2	8	Chemical tests – anions and water
3	5/02/2026		Inorganic 2	9	Chemical tests – identifying unknowns
<i>Inorganic 2 - revision and assessment set</i>					
Half term break					
4	19/02/2026		Physical 2	1	Rates introduction
4	26/02/2026		Physical 2	2	Rates graphs
4	5/03/2026		Physical 2	3	Rates practicals 1
4	12/03/2026		Physical 2	4	Rates practicals 2
4	19/03/2026		Physical 2	5	Decomposition & reversible reactions
<i>Physical 2 - revision and assessment set</i>					
4	26/03/2026		Organic 2	1	Addition polymers
Holiday break					
<i>Paper 2 mock due 13/04</i>					
5	16/04/2026		Paper 2 Revision	1	Structure and bonding
5	23/04/2026		Paper 2 Revision	2	Inorganic 2
5	30/04/2026		Paper 2 Revision	3	Physical 2
5	05/05/2026		Paper 2 Revision	4	Organic and medley

Please note that the dates and teaching schedule given here are approximate. I don't always stick rigidly to teaching timings, as I prefer to have a flexible approach that allows me to tweak timings as needed to best fit the learning needs of individual classes.

Zoom, Google Classroom and Classkick

Lessons take place online via Zoom. Students will need to have a free Zoom account to access the lesson, using the link and passcode provided on Google Classroom.

During the lesson, students may be asked to participate using features within Zoom like chat or raising their hands. I do ask students to have cameras on as the norm, as it enables me to teach them much more interactively and gauge understanding. Students will also be asked to use Classkick (individual online whiteboard) to complete questions within the lesson. There is no need to make an account to use Classkick. Students may find it useful to have access to a graphics tablet to use during lessons, but this is not essential.

Lesson materials will be uploaded to Google Classroom following each lesson. This will usually include a link to the lesson recording, a pdf of the lesson whiteboard notes and consolidation work. It is a requirement that both students and parents or carers have access to Google Classroom, either via two accounts or one shared account. Please let me know if you have any issues accessing materials on Google Classroom.

Google Classroom is the main method of communication about class timings, assessment due dates and any other important changes.

Homework and assessments

Homework should be completed in advance of each lesson. Students should mark it using the mark scheme provided. They are welcome to send a message via Google Classroom or email me with any queries. They will usually then need to apply their knowledge and understanding to answer further questions as their starter task on Classkick. This enables me to assess their understanding and address any problem areas. It is a good idea for students to refresh their knowledge of recent material before each lesson, so they are ready to hit the ground running with the starter task.

An assessment will be set at the end of each topic. Each student is responsible for completing their assessments outside of lesson times, under test conditions (i.e. a quiet room with no notes, phone or laptop and within the time limit). If the student is eligible for access arrangements (e.g. extra time or a scribe) these should be provided. It is highly recommended that assessments are printed out and answered by hand unless the student is permitted to use a laptop in exams.

Assessments need to be scanned and uploaded to the Classroom as a pdf for marking. I will then mark and provide detailed feedback to students and families. A how to guide is provided on the Classroom with detailed instructions on how to submit their work.

Revision and exams

This course is designed to enable students to sit their Paper 1 exam in November of the 2nd year and Paper 2 in June of the 2nd year, if they wish to follow a modular assessment route. Otherwise both exams may be sat in May / June of the 2nd year if following a linear assessment route.