This guide is for students, parents and carers. It outlines: Information about the GCSE course; the topics on each examination paper and where students can find revision resources; and ends with examination tips specific to this subject.

**Course Title and Exam Board**

|  |  |  |
| --- | --- | --- |
| Exam board | AQA | |
| Course title | CHEMISTRY | |
| Course structure and assessment | 2 x 1 Hour 45 Minute Examinations | |
| Key dates | paper 1 | 16th of May |
| paper 2 | 12th of June |

**GCSE Examinations**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Paper | Marks | Duration | Weighting | Topics on this paper |
| Paper 1 | 100 | 1hr45min | 50% | Topics 1 – 5: Atomic structure and the periodic  table; Bonding, structure, and the properties  of matter; Quantitative chemistry, Chemical  changes; and Energy changes. |
| Paper 2 | 100 | 1hr45min | 50% | Topics 6 – 10: The rate and extent of chemical  change; Organic chemistry; Chemical analysis,  Chemistry of the atmosphere; and Using  resources. |

**Course Components (a more detailed explanation of skills and topics)**

(Look at the specifications on this website)

<https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

Paper 1 page 37-50

Paper 2 page 51-83

**Where are the revision resources?**

|  |  |
| --- | --- |
| Revision topics | What resources to use (website links, student: drive titles of folders/ documents; books recommended etc.) |
| **Paper 1** | |
| Atomic structure | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| The periodic table | BBC bitesize, Seneca, past exam questions on this website  [http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/](http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/ ) |
| Structure and bonding | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  [http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/](http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/ ) |
| Chemical calculations | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Chemical changes | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Electrolysis | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Energy changes | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| **Paper 2** | |
| Rates and equilibrium | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Crude oil and fuel | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Organic reactions | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Polymers | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Chemical analysis | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| The earth’s atmosphere | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| The earth’s resource | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |
| Using our resource | BBC bitesize, Seneca, past exam questions on this website  Collins AQA GCSE 9-1 grade 8/9 Booster workbook  <http://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/> |

**Required Practicals:**

**These experiments will be used as a context for examining practical skills**

|  |  |
| --- | --- |
| **Required Practical** | **Unit taught in** |
| **Making Salts** | Chemistry Paper 1 |
| **Electrolysis** | Chemistry Paper 1 |
| **Temperature Changes** | Chemistry Paper 1 |
| **Rates of Reaction** | Chemistry Paper 2 |
| **Chromatography** | Chemistry Paper 2 |
| **Water Purification** | Chemistry Paper 2 |

**Triple Chemistry Only Required Practicals**

|  |  |
| --- | --- |
| **Chemistry—Neutralisation** | 10C1—Bonding and Chemical Change |
| **Chemistry—Identifying Ions** | 11C1—Calculations in Chemistry |