



Year 11 Raising Achievement Evening

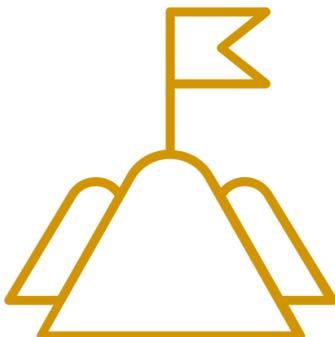
Science | Grade 7-9



CREATING A CLIMATE FOR GREAT LEARNING,
SUCCESS AND OPPORTUNITY

Creating the Vision

Creating a climate for great learning, success and opportunity



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CREATING A CLIMATE FOR GREAT LEARNING,
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Grade 7-9 | Key Knowledge

- For combined science and triple science students

Biology Topics:

Paper 1 – Cell biology; Organisation; Infection and response; and Bioenergetics.

Paper 2 – Homeostasis and response; Inheritance, variation and evolution; and Ecology.

Chemistry Topics:

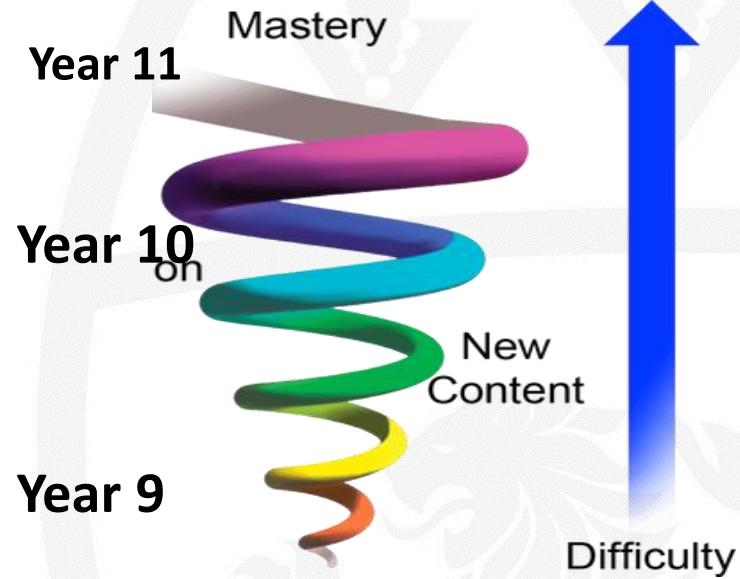
Paper 1 – Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.

Paper 2 – The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

Physics Topics:

Paper 1 – Energy; Electricity; Particle model of matter; and Atomic structure.

Paper 2 - Forces; Waves; Magnetism and electromagnetism; and Space physics.





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Grade 7-9 | Key Exam Skills

- Literacy – understanding of all keywords and concepts, being able to use these consistently to ‘explain’ or ‘support’ statements or observations.
- Application – you must be able to apply what you have done in lesson to different contexts or applications. It is not possible to cover all potential permutations of questions in class.
- Required practicals – identify variables, write methods, analyse results, spot errors, graph drawing – calculate gradients.



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Grade 7-9 | Key Revision Advice for Mock Round 2

- Step 1: secure knowledge and topic specific literacy
Quiz cards – great for learning keywords and definitions
Mind maps – great for linking ideas
- Step 2 : past paper question practice – independent learning, timed, controlled



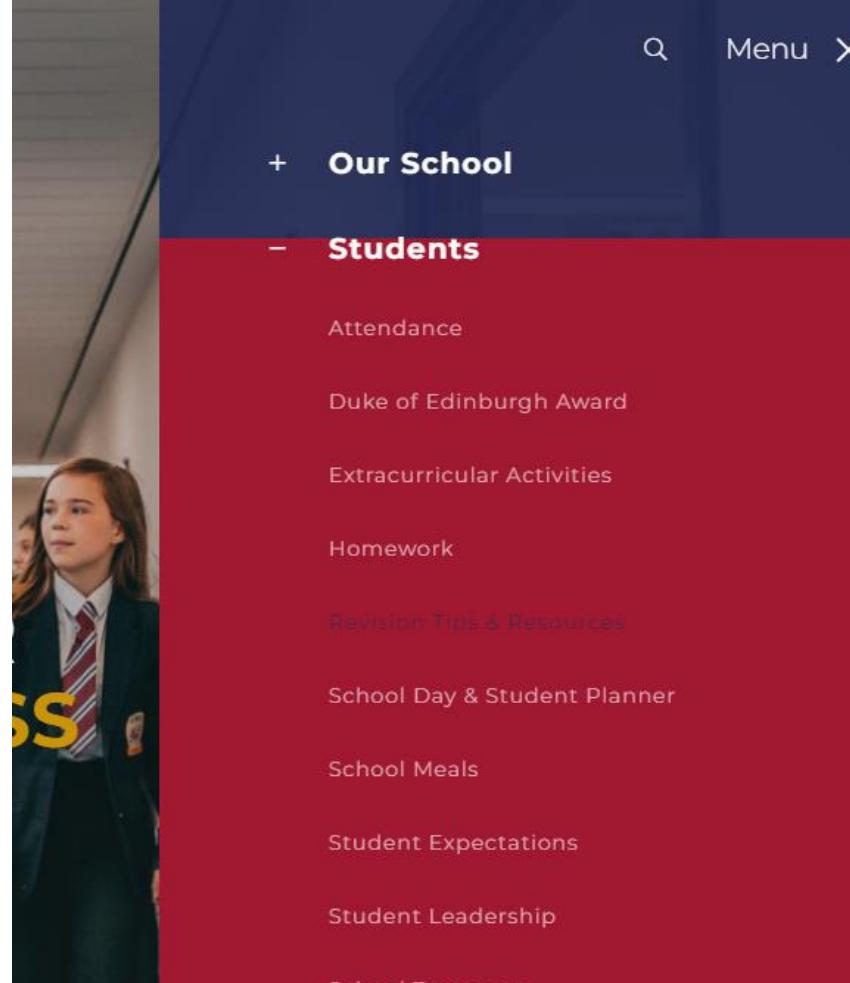
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Home

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- + Our School
- + Students
- + Parents/Carers
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- Vacancies
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- Sixth Form

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Home

4. Bioenergetics

5. Homeostasis and response

6. Inheritance variation and evolution

7. Ecology



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Business Studies



Science



Key Idea Mind Maps (blank): Extra Maps

5. Homeostasis and response

End of Topic Tests

Combined Science (Biology): Bioengernetics

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Grade 7-9 | Learning Behaviours in the next 13 weeks

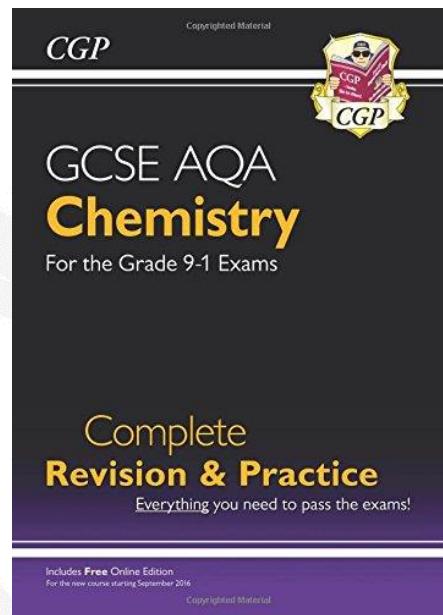
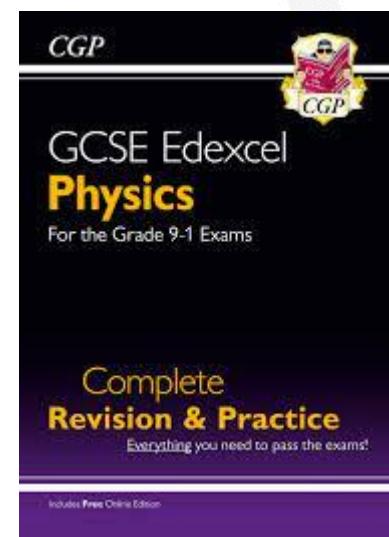
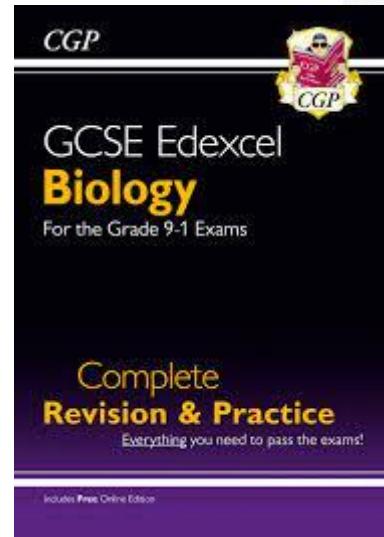
- Independent learners
- 100% attendance – lessons and any interventions you have been selected for – contributing in these and identifying areas for development
- Self evaluators – what are your areas of need
- Time managers



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Revision guides

- Independent study – both in and out of lesson



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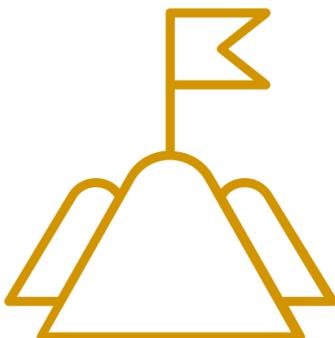
Science | Grade 4-5



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Grade 4-5 | Key Knowledge

Biology Topics:

Paper 1 – Cell biology; Organisation; Infection and response; and Bioenergetics.

Paper 2 – Homeostasis and response; Inheritance, variation and evolution; and Ecology.

Chemistry Topics:

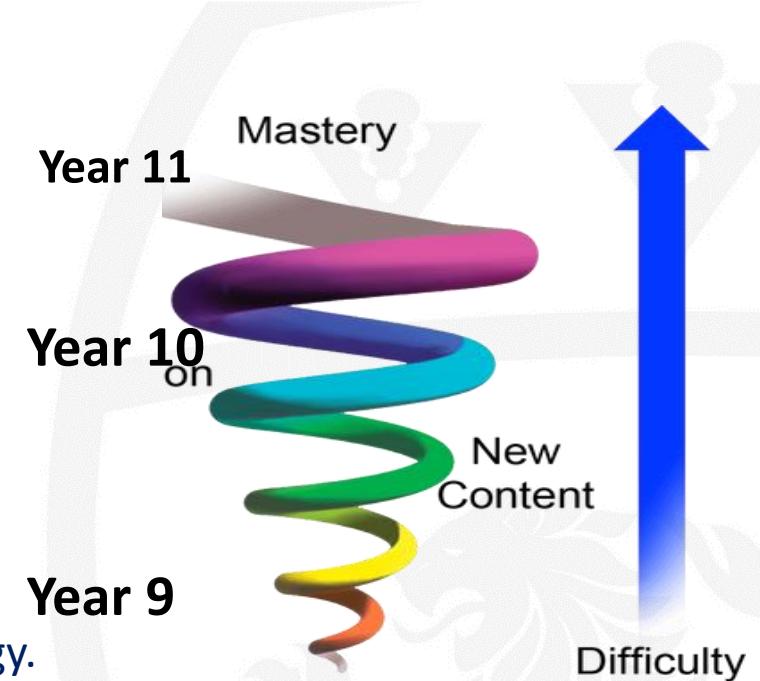
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Paper 2 - Forces; Waves; Magnetism and electromagnetism.





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Grade 4-5 | Key Exam Skills

- Literacy – know and define all topic specific keywords and being able to use these consistently ‘support’ statements or observations.
- Application – you must be able to apply what you have done in lesson to different contexts or applications.
- Required practicals – identify variables, write methods, analyse results, spot errors, graph drawing skills.



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Grade 4-5 | Key Revision Advice for Mock Round 2

- Step 1: secure knowledge and topic specific literacy
Quiz cards – great for learning keywords and definitions
Mind maps – great for linking ideas
- Step 2 : Doddle quizzes – ask your teachers!!!
- past paper question practice – independent learning, timed, controlled

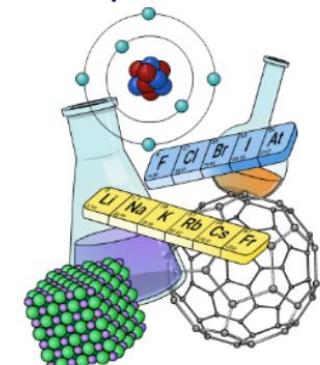


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GCSE Chemistry (AQA) Calculating reaction rates mini quiz

This quiz will cover material from the AQA Chemistry specification and the AQA Combined Science specification, including:

- calculating rates of reactions
- interpreting graphs
- understanding tangents.

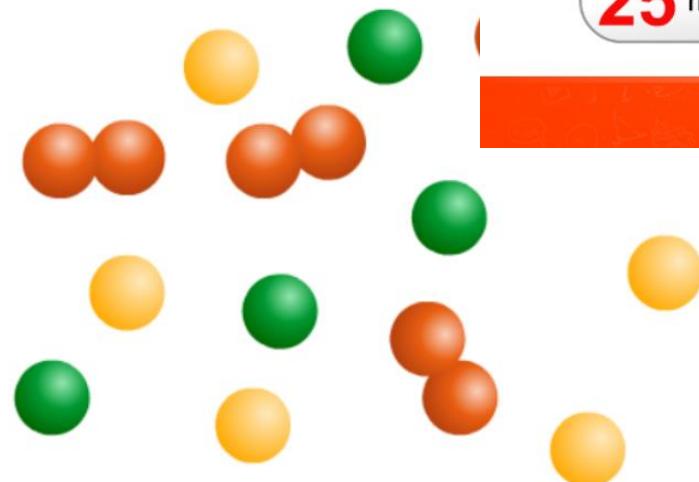


Q Complete the sentences about reaction rates.

Press on the FIVE gaps and choose the correct answers.

As a reaction progresses, the amount of reactants _____ and the amount of products _____.

Over time, reactions _____ because the concentration of reactants _____. This means that there are _____ collisions between particles.



25 marks available



this quiz is
NOT timed



1 attempt at
each question

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Attendance

Duke of Edinburgh Award

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Homework

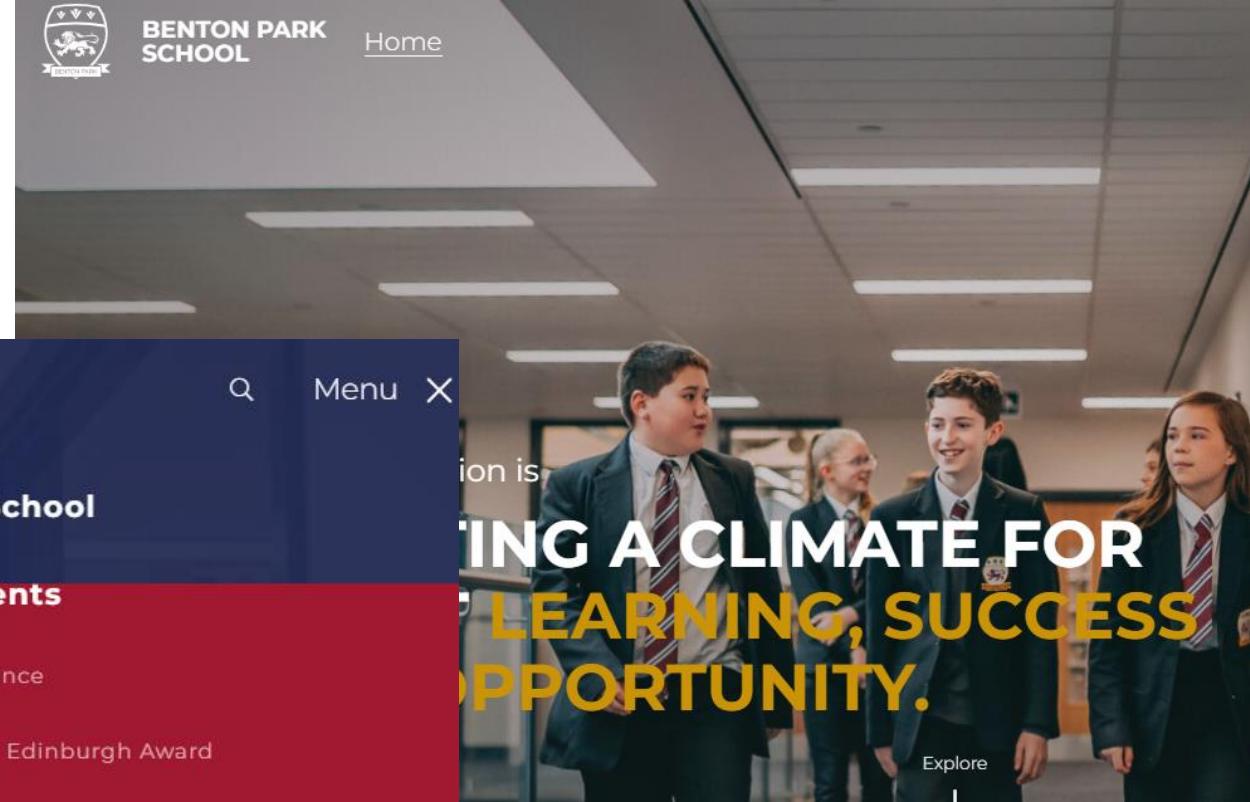
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School Day & Student Planner

School Meals

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Student Leadership



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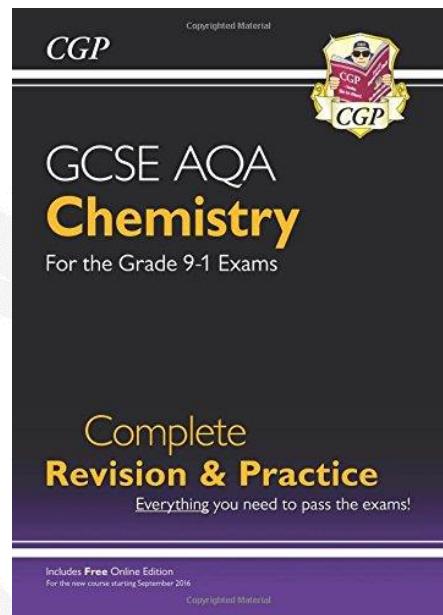
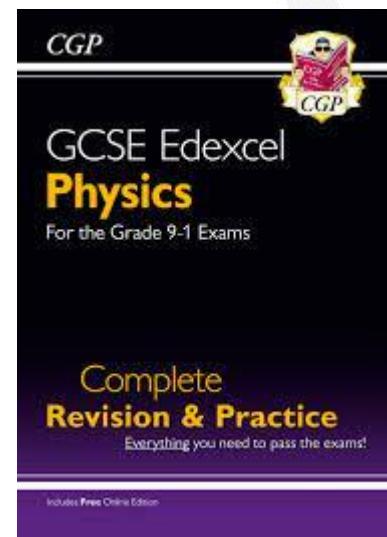
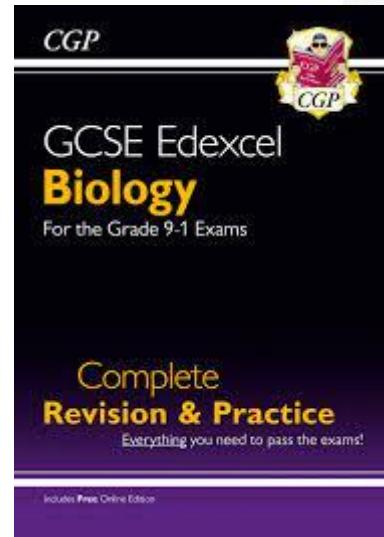
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