



**CARDINAL  
NEWMAN**  
CATHOLIC HIGH SCHOOL

Mr Latham - Head of Science

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# Exam Board - AQA

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- ❖ Combined science, Trilogy
- ❖ Many of the team mark for the exam board
- ❖ Head of department is Lead Assessment Writer for the exam board.





Biology	Chemistry	Physics
4.1. Cell biology 4.2. Organisation 4.3. Infection and response 4.4. Bioenergetics 4.5. Homeostasis and response 4.6. Inheritance, variation and evolution 4.7. Ecology	5.1. Atomic structure and the periodic table 5.2 Bonding, structure, and the properties of matter 5.3 Quantitative chemistry 5.4 Chemical changes 5.5 Energy changes 5.6 The rate and extent of chemical change 5.7 Organic chemistry 5.8 Chemical analysis 5.9 Chemistry of the atmosphere 5.10 Using resources	6.1 Energy 6.2 Electricity 6.3 Particle model of matter 6.4 Atomic structure 6.5 Forces 6.6 Waves 6.7 Magnetism and electromagnetism

Qualification	Papers	Content	Length
Biology	2 papers equal weighting	Topics 1-4 Topics 5-7 Under arching principles	1 hour 15 mins 70 marks
Chemistry	2 papers equal weighting	Topics 1-5 Topics 6-10 (topics 1-3 on both common content)	1 hour 15 mins 70 marks
Physics	2 papers equal weighting	Topics 1-4 Topics 5-8 (understanding of energy changes due to heating, mechanical and electrical work and the concept of energy conservation from energy and electricicty	1 hour 15 mins 70 marks

Grade	Lowest percentage for each grade 2019
99	64
98	60
88	56
87	52
77	48
76	43
66	39
65	34
55	30
54	25
44	21
43	19



Grade	Lowest percentage for each grade 2019
55	58
54	53
44	48
43	42
33	35
32	29
22	23
21	16
11	10

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They can do it!!

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# Where do students struggle

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- ❖ Practical Skills
- ❖ Explain using the word 'IT'
- ❖ Mathematical Requirements - number conversions
- ❖ Extended Response Questions students need to link there ideas together
- ❖ Subject specifics
  - ❖ Biology - Vague broad brushstroke answers, unfamiliar contexts, absolutes
  - ❖ Chemistry - Equations
  - ❖ Physics - Equations



# Watch the news EVERYDAY

## NEWS

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### Marley Nicholls: '14,000 sign up as stem cell donors'

🕒 1 September 2018

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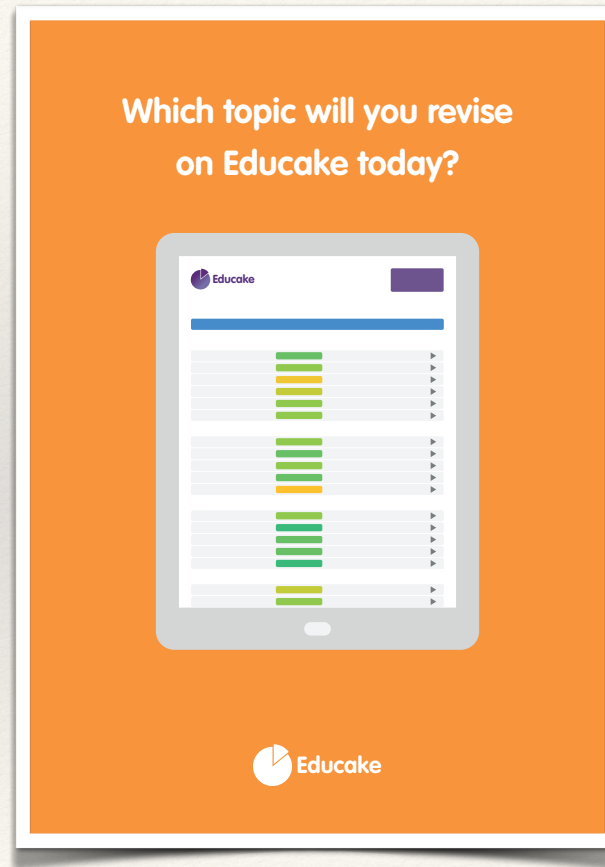
Parents Shaney Truman and Joe Nicholls with sons Marley and George

Parents Shaney Truman and Joe Nicholls with sons Marley and George

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# Educake

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# At Home

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- ❖ Complete any homework to the very best of their ability find the answer if they don't know it. Lots of Science homework are now learning homework.
- ❖ Start revising now! There is a lot of content to learn, 40% is for recall they just need to know it.
- ❖ Extra work at home – the more your child does at home the best chance they have of reaching their full potential.
- ❖ Ensure they keep their notes in order to help with revision.

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# Revision Materials

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- ❖ YouTube - can help with the required practicals but remember the context can change. (Search Malmesbury Education)
- ❖ Cogneto Science (You Tube)
- ❖ BBC Bitesize - has been updated AQA, combined science, Trilogy by far the best free resource available. (Download the app)
- ❖ AQA Website - A wealth of information; GCSE sciences: Command words, GCSE sciences: Subject-specific vocabulary, Maths skills in GCSE sciences, Practicals, Steps to success in science, Papers and Mark schemes
- ❖ Educake - Set your own test and revision.