

YEAR 11 SCIENCE

Parent & Carer Information • Caistor
Yarborough Academy



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Helping your child feel confident in Year 11 Science

This leaflet explains the Science courses, the examinations students will sit, the main areas they need to revise, the support available in school and simple ways families can help at home.

1 What qualification is my child studying?

COMBINED SCIENCE	SEPARATE SCIENCES
2 GCSEs	3 GCSEs
Biology, Chemistry & Physics	Biology, Chemistry & Physics
6 examinations in total	6 examinations in total
Each paper: 1 hour 10 minutes / 60 marks	Each paper: 1 hour 45 minutes / 100 marks
Foundation (1–5) or Higher (4–9)	Foundation (1–5) or Higher (4–9)

Both pathways study Biology, Chemistry and Physics. Separate Science includes additional content in each subject.

2 What does my child need to know FOR PAPER 1 Mock?

BIOLOGY	CHEMISTRY	PHYSICS
• Cells & microscopy • Enzymes • Transport in cells • Mitosis & stem cells • Brain, nervous system & eye • Genetics & inheritance • Natural selection • Health, disease & medicine	• States of matter • Mixtures & separation • Atomic structure • The periodic table • Ionic & covalent bonding • Acids, alkalis & salts • Mass calculations & moles • Electrolysis, metals & corrosion	• Motion & graphs • Forces & Newton's laws • Mass, weight & momentum • Stopping & braking distance • Energy stores & transfers • Waves & EM spectrum • Radioactivity • Astronomy*

*Some content is Separate Science only.

3 What should revision look like?

Regular, active revision is more effective than simply reading notes.

A useful routine is: choose one small topic → recall what you know without notes → check gaps using a video/book/lesson → complete exam-style questions → mark and correct your answers.

SUPPORTING SCIENCE AT HOME

Resources, routines and ways parents can help



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4 What support is available from school?

Microsoft Teams Lessons and exam-style questions are available on Teams.	Homework -Sparx Students receive videos and differentiated practice questions tailored to their needs.
Knowledge organisers & exam folders Revision materials and exam-style questions can be used to revisit taught content.	Online book- Active Learn/Hub Students can access activities and videos. Please ask the Science team if login details are needed.
Revision guides Revision guides include worked video solutions, online retrieval quizzes and an online edition of the book.	Ask for help early If your child is unsure what to revise or where to find a resource, encourage them to speak to their Science teacher.

5 Recommended revision resources

★ TikTok: COULSON TEACHES Short revision videos covering lots of GCSE Physics and Biology topics — useful for quick recap before moving on to exam questions.	Other useful resources • Revision Science • BBC Bitesize GCSE Science • FuseSchool – YouTube videos
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6 How can parents and carers help?

Encourage short, regular revision. 20–30 focused minutes on one topic is manageable and helps build consistency.

Ask what they revised — not just whether they revised. A simple ‘Tell me three things you learned’ encourages active recall.

Encourage exam-question practice. Knowing the science is important, but students also need practice applying it to GCSE questions.

Use mark schemes positively. Corrections are part of revision. Students should identify what was missing and improve the answer.

Help them plan across all three sciences. A simple weekly plan can prevent one subject being repeatedly avoided.

Keep revision resources easy to access. Teams, revision guides, knowledge organisers, videos and past papers all have different purposes.

7 A simple weekly routine

1 RECALL What can I remember?	2 RELEARN Use notes/video/book.	3 PRACTICE Complete exam questions.	4 CHECK Mark, correct, revisit.
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Science Department • Reach your potential • Respectful Resilient Resourceful Responsible