

Mathematics

- **Practice Papers – Available via www.onmaths.com**
 - **9 to 1 Past Papers** - Choose a year, select the right tier of entry, Foundation or Higher, and work through. Complete any workings on paper and input your answers which will be marked immediately.
 - **A star to G Past Papers** – The old GCSE exam papers, great for practising skills, choose the correct tier and work through the papers.
- **Predicted Papers** – these are created after the first examination in the summer and questions reflect those topics that we think are more likely to appear in the papers 2 and 3 of the GCSE.
- **Revision Resources-**
 - **www.mathsgenie.com** – use your target topics identified in your mock exams as well as the levels indicated to work through the topics on key areas, answers available
 - **www.corbettmaths.com** – use your target topics identified in your mock exams as well as the levels indicated to work through the topics on key areas, answers available
 - **Pixi Maths Revision Booklets** – Booklets of questions targeting Grade 1, 3, 5, 7 and 9 covering many of the topic areas examined at that grade. These can be collected from Mrs Bell to complete
 - **CGP New GCSE Maths Revision Guide: inc Online Edition, Videos & Quizzes** – these are available to purchase online, make sure you purchase the correct tier.

Class Teacher - Ask them for help on a particular topic, it might be an area for class revision but if not they will find time to answer your query.

Intervention Teacher – Ask the maths teachers who are running intervention sessions for help. They are specialist in supporting students fill in gaps on topics and strategies for improvement.

Hegarty Maths – www.hegartymaths.com - Each pupil has a login. Either select a particular topic to work through questions on using the search facility, select the task and work through the questions, instantly marked and an associated lesson is available if you need help. Even better, use the MemRi or Fix up 5 revision options! Have paper and pen ready to use.

In Class - Class teachers will be revising topics appropriate to the class needs. Key knowledge is identified and then questions answered building up to exam style questions. During the year pupils will have access to sets of past papers of the new style exam, these will be completed in a variety of ways. These may include: parts of the exam paper answered with access to revision guides, answered in timed exam conditions, set for homework. Feedback from mocks will include RAG sheets to make it easier for students to identify topics to revise or look up on Hegarty on in their revision books.

Calculator - Please make sure that you have a scientific calculator and that you bring it to school to use. 2 of the exam papers require the use of a calculator. Always write down the calculation you are inputting into the calculator as evidence for achieving all the marks for a question

After school Maths support – Tuesday, Wednesday and Thursday in the Maths computer room. Staff are available to answer questions about Maths work and computers available to access any of the online revision resources.

The best maths revision is to answer maths questions

English

Language Checklist	Strategies / Resources
Am I confident reading the types of texts that will come up in the exam?	<p>Read lots of fiction.</p> <p>Read the beginnings of novels – why do they make effective beginnings?</p> <p>Read newspapers and summarise articles.</p> <p>Read news websites.</p>
Do I know exactly what is required on each question? This includes: <ul style="list-style-type: none"> • What is in the mark scheme • Sentence starters • Suggested answer structure • Marks available • Suggested timings 	<p>Create notes and flashcards on question requirements.</p> <p>Practise the timings.</p> <p>Practise active reading – spend 15 minutes annotating a text thoroughly.</p>
Can I answer the questions in time?	<p>Do LOTS of timed practice.</p> <p>Answer whole papers or (if not practical) whole sections at a time.</p>
Have I practised my writing skills?	<p>Learn what is in the mark scheme and understand what it means.</p> <p>Do lots of practice writing questions and seek feedback from your teacher.</p> <p>Practise planning. Create questions or use question banks and write lots of plans.</p> <p>Practise using figurative language (paper 1) and rhetorical devices (paper 2). Generate lots of examples that might work with a particular question.</p> <p>Learn and practise a range of cohesive devices (ways to link your ideas).</p>

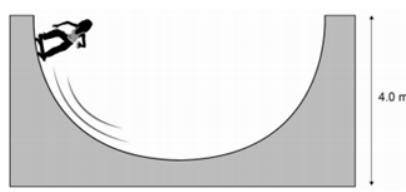
Literature Checklist	Strategies / Resources
Am I really secure on the basics of the plot, characters and events? <ul style="list-style-type: none"> • Have I read the texts (two or three times)? • Do I know the main plot events? 	<p>Answer comprehension questions.</p> <p>Read the novel again (...and again). Use sticky tabs for key sections.</p> <p>Online summaries: try Spark Notes or LitCharts.</p> <p>Use short answer questions in PiXL Independence resources.</p>
Do I have a 'close knowledge' of the text? <ul style="list-style-type: none"> • Can I paraphrase quotes? • Can I refer in detail to specific events? 	<p>Use a knowledge organiser. Learn, cover, write, check.</p> <p>Create flashcards.</p> <p>Use Memrise.com to learn quotes.</p>
Am I prepared for whatever question might come up?	<p>Write a complete list of possible essay questions. Plan answers to every question. Speak answers aloud from plans.</p> <p>Use all practice questions available, make use of questions in PiXL Independence resources.</p>
Have I refined my essay writing skills and exam technique?	<p>Practice a range of questions in timed conditions.</p> <p>Make sure you understand teacher feedback.</p> <p>Get exemplar material so that you know what a really good paragraph looks like: <ul style="list-style-type: none"> • Annotate • Mimic and then write independently </p> <p>Read examiner's reports: <ul style="list-style-type: none"> • Annotate / highlight • Use to critique your answers (or a friend's) </p>
Have I made sure I am thinking <u>conceptually</u> ?	<p>Find quality <u>key</u> quotes for the big themes that also relate to character to maximise crossover.</p> <p>Prepare 'conceptual' points for top grades. Think big and widely. Read Connell guides.</p>

Science

1. Answer an exam question

0 3 Figure 5 shows a girl skateboarding on a semi-circular ramp. Do not write in this box

Figure 5



The girl has a mass of 50 kg

0 3 . 1 Calculate the gravitational potential energy (g.p.e.) of the girl at the top of the ramp.
Use the equation:
g.p.e. = mass × gravitational field strength × height
gravitational field strength = 9.8 N/kg [2 marks]

g.p.e. = _____ J

0 3 . 2 The girl has a speed of 7 m/s at the bottom of the ramp.
Calculate the kinetic energy of the girl at the bottom of the ramp.
Use the equation:
kinetic energy = 0.5 × mass × (speed)² [2 marks]

Kinetic energy = _____ J

2. Mark the question using the mark scheme

Question	Answers	Extra information	Mark	AO / Spec. Ref.
03.1	$E_{p1} = 50 \times 9.8 \times 4.0$ $E_{p1} = 1960 \text{ (J)}$	an answer of 1960 scores 2 marks allow an answer rounded to 2000 (J) allow a maximum of 1 mark if $g = 10 \text{ N/kg}$ is used	1 1	AO2 6.1.1.2
03.2	$E_k = 0.5 \times 50 \times 7^2$ $E_k = 1225 \text{ (J)}$	an answer of 1225 scores 2 marks allow 1200 or 1230 (J)	1 1	AO2 6.1.1.2

3. Review what you need to know for next time

<p>Topic:</p> <p>Key facts</p>	<p>Equations/Calculations</p> <p>Diagrams</p> <p>Topic links</p>
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2. Use your revision guide

- Your revision guide contains all the key ideas you need to learn for Biology, Chemistry and Physics.
- Take one section at a time and read through the knowledge section, then use the retrieval section to check your recall of the key facts (cover up the answers!)
- Complete the practice questions to check your understanding.
- Tick off the section in the contents page and move on to another one.

3. Online resources

- Watch revision videos – particularly ones that show you the required practicals.
- Popular sites with students are: **Cognito**, **Malmesbury Education**, **Free Science Lessons** and **Primrose Kitten** (all on YouTube)
- Use BBC GCSE Bitesize to revise content, watch video clips and try mini tests

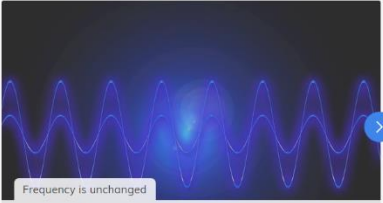
4. Seneca Learning

- Log into <https://app.senecalearning.com/>
- Complete the practice questions set by your teachers or set yourself some – Seneca gives you a revision section first, so make sure you read it before attempting the questions!
- The questions are all multiple choice or one/two word answers and you can stop and return to tests at any time.
- Remember to self-review the questions you have completed so that you know what to return to in your revision guide for extra study.



Waves at a Boundary

When waves travel from one medium to another, their speed and wavelength change but their frequency stays the same.



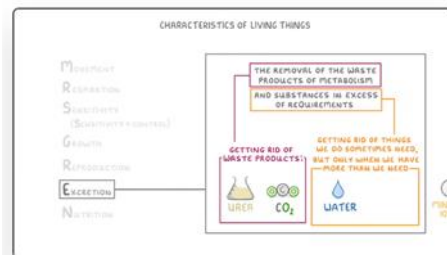
Frequency is unchanged

- The frequency of the wave does not change because the source is producing the same number of oscillations (vibrations) per second.

Typing speed: x1.0

Wave speed and wavelength are directly proportional. If the speed doubles, the wavelength . If the speed halves, the wavelength halves.

Check



Please cut this out and display prominently in the house

REVISION TIMETABLE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8.00							
9.00							
10.00							
11.00							
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