

Year 10 information evening



Y10 General programme

Monday	Workbook
Tuesday	Workbook
Wednesday	Assembly/ Current affairs (KS4 Sports)
Thursday	Workbook/Flashcards
Friday	Games (KS4 Sports)



WHY ARE WE DOING THIS?

- IN THE FIRST HALF TERM YEAR 10 HAVE COVERED 16 SESSIONS SO 8 HOURS OF REVISION
- BY THE END OF YEAR 10 THEY WILL HAVE COMPLETED 99 SESSIONS SO 49.5 HOURS OF REVISION
- BY THE END OF YEAR 11 THEY WILL HAVE COMPLETED 172 SESSIONS SO 86 HOURS OF REVISION

YEAR 10 EXAMS

- **8TH-26TH MAY**
- **EXAMS IN MOST SUBJECTS**



What is Tassomai?



Tassomai is a way to **avoid stressful cramming** near exams by **spreading your learning and revision** throughout the year.

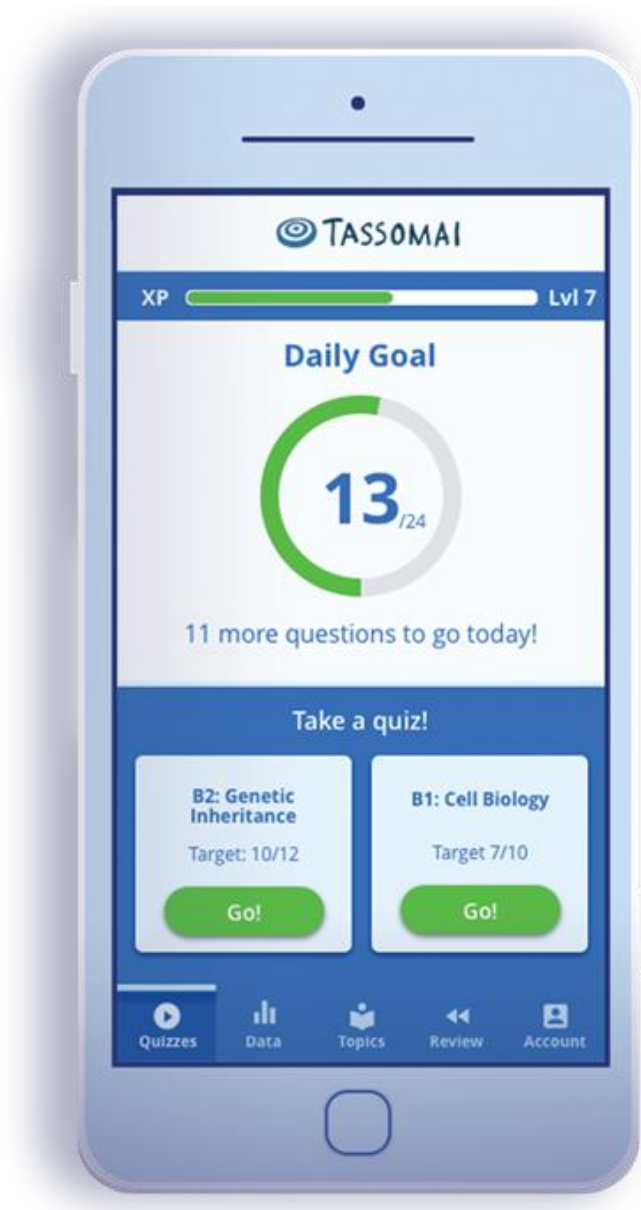
It is a revision quiz package which covers English, maths and science.



Have you done your Daily Goal today?

Yes, and my Bonus goal!

Excellent! That's your fourth this week!



[https://www.youtube.com/watch?v=2iWXqgSANNU&list=PLP663p7iSxWKSny5N -
045d1rhjKCcvhj&index=2](https://www.youtube.com/watch?v=2iWXqgSANNU&list=PLP663p7iSxWKSny5N-045d1rhjKCcvhj&index=2)

90% of students that
used Tassomai regularly
achieved **C** or above in
their GCSE science
exams... and 50% of
them got an **A** or **A***

(Equivalent to 7-9 on the 9-1 grading system)

Tassomai conducted its first mass data study in 2017, taking in over **68,000 examination module results** from Tassomai-using schools, cross-referencing with their students' course progress statistics and measuring the impact on outcomes.

Exam-board
specific
quizzes test as
well as teach.

AQA [T] B206: Inheritance, Vari... 1/5

MONOGENIC inheritance is rare, but means that...

the OBSERVABLE characteristic of an organism is determined by a SOLITARY gene

the OBSERVABLE characteristic of an organism is determined by ENVIRONMENTAL factors alone

the OBSERVABLE characteristic of an organism is determined by MULTIPLE genes

[NONE of these]

https://www.youtube.com/watch?v=MPKkJHzzFsM&list=PLP663p7iSxWksny5N_045d1rhjKCcvhj&index=5

How to help your child succeed at GCSE Maths

Alastair Gell – 2nd in Maths



What you need to know

- What is different about this GCSE?
- Which Tier will my child be entered for?
- What topics are in the new GCSE?
- What will the exams look like?
- What revision resources are available?
- Student expectations
- The BIG challenge – Making it stick
- How will we support?
- How can you support at home?
- Other courses on offer by the Maths department



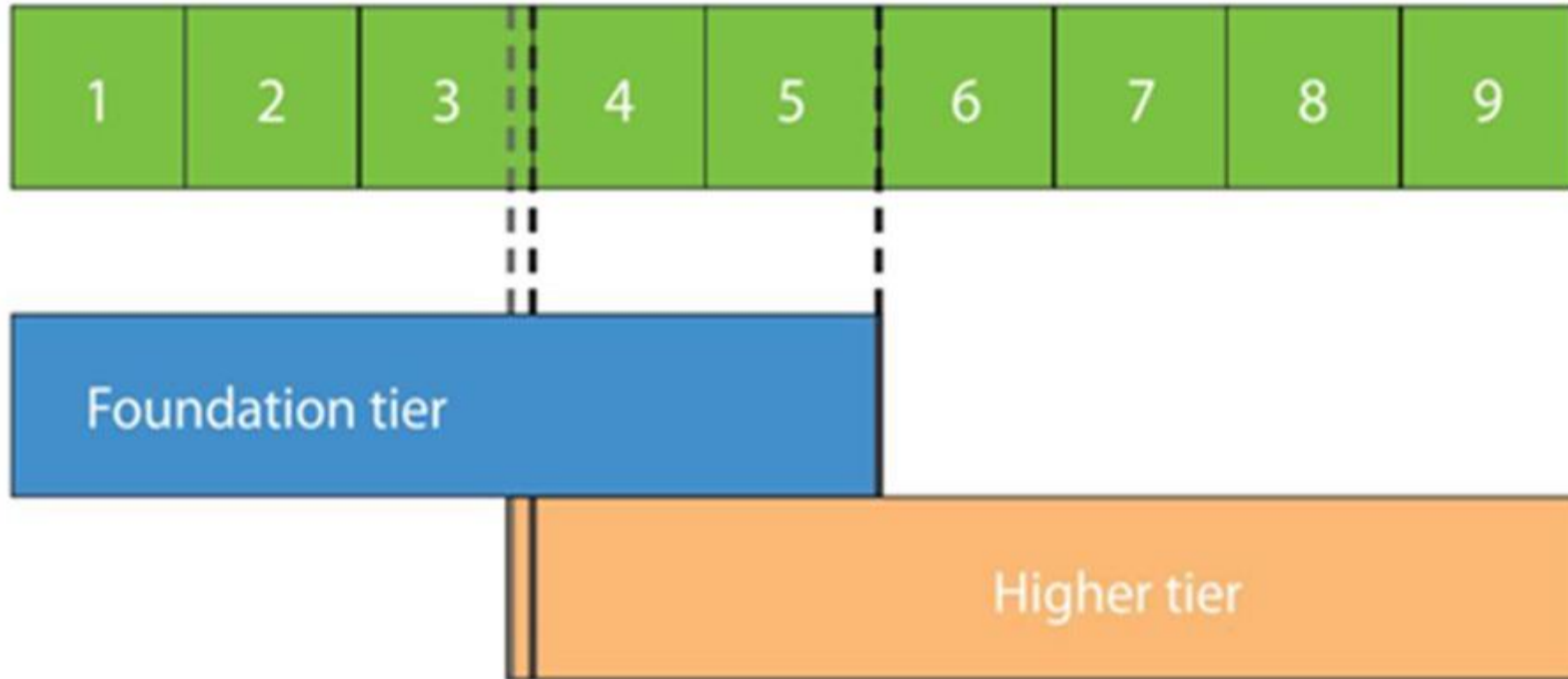
What is different about this GCSE?

- More content
- Greater level of difficulty
- Grading system
- Tier of entry

Old grades	New grades
A*	9
A	8
B	7
C	6
	5 STRONG PASS
	4 STANDARD PASS
D	3
E	2
F	1
G	1
U	U



Which Tier will my child be entered for?



Which Tier will my child be entered for?

Set	Tier
1 & 2	Higher
3	Mainly Higher*
4	Mainly Foundation**
5 & 6	Foundation

* Students can be moved from higher tier to foundation at any time in years 10&11 as there is no issue with content when moving from higher to foundation tier.

** If students are identified as being capable of higher, they will move up earlier in year 10. Late movements up to higher tier are not possible as there would be too much content to catch up on.



How will tier of entry be decided?

- Performance in all lessons
 - Performance in homework assignments
 - Performance in termly Exams
 - Performance in PPEs (Pre-Public Exams)
 - College Course requirements
 - Exam experience
-
- Results at each tier show we are getting these decisions correct



What topics are in the new GCSE?

- Algebra
- Number
- Geometry & Measure
- Ratio & Proportion
- Statistics
- Probability



What will the exams look like?



Foundation Tier question aimed at grade 2

8 Sam, Carl and Erik share 40 sweets.

Erik gets the largest share.

What is the **smallest** possible number of sweets that Erik could get?

[2 marks]

Answer _____



Foundation Tier question aimed at grade 3

11 300 passengers go on a coach trip.

Each coach takes 50 passengers.

Each passenger pays £25

The table shows the costs for the coach company.

	Cost for each coach
Pay for driver	£90
Fuel	70p per mile

Each coach travels 200 miles.

Work out the **total** profit the company makes from this trip.

[6 marks]



F/H Tier question aimed at grade 4/5

20

Work out $\sqrt{121} - (13 - 5 \times 2)^2$

[3 marks]

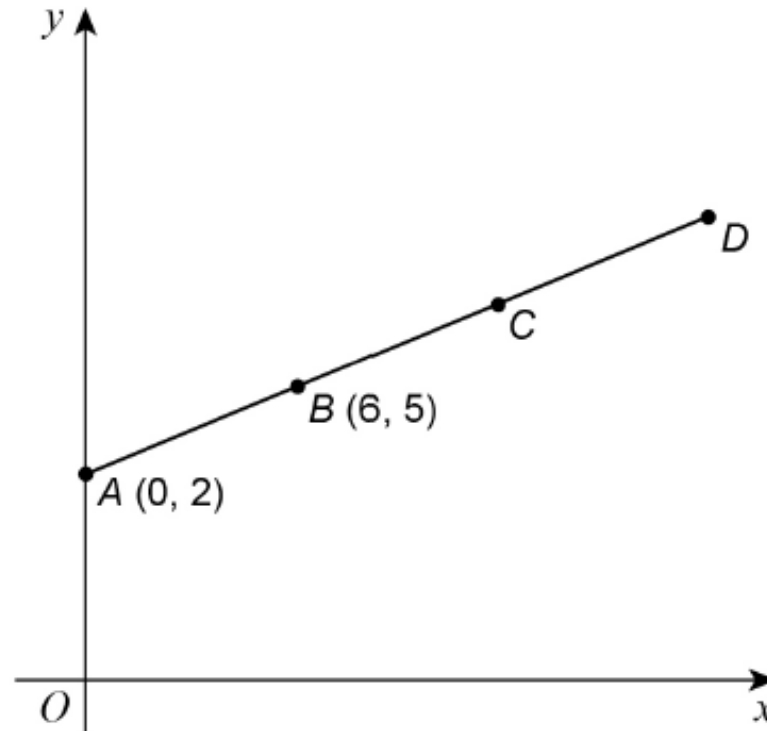
Answer _____



F/H Tier question aimed at grade 4/5

26

$A (0, 2)$ and $B (6, 5)$ are points on the straight line $ABCD$.



Not drawn
accurately

$$AB = BC = CD$$

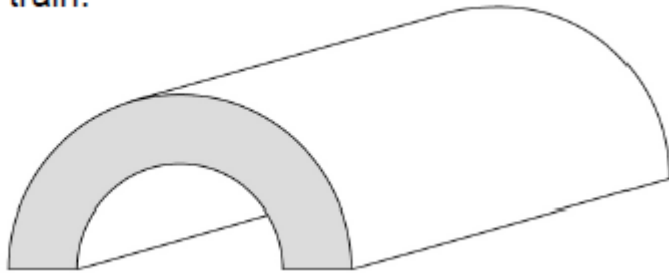
Work out the coordinates of D .

[3 marks]

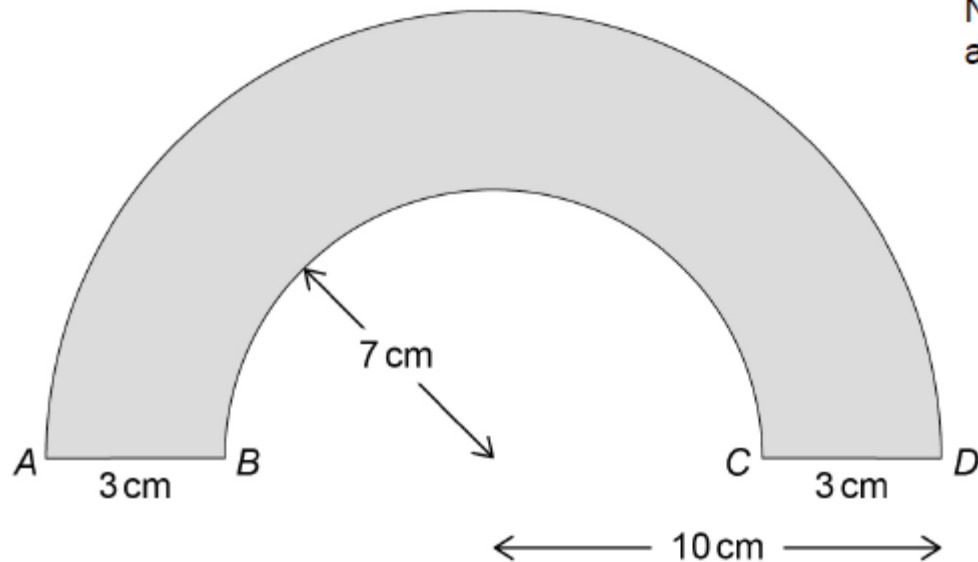


Higher Tier question aimed at grade 6

Here is a tunnel for a toy train.



The diagram below shows the cross section of the tunnel.



Not drawn accurately

AD is a semicircular arc of radius 10 cm

BC is a semicircular arc of radius 7 cm

The length of the tunnel is 30 cm

Work out the total area of all six faces of the tunnel.

Give your answer in terms of π .



Higher Tier question aimed at grade 7

20

A linear sequence starts

$$a + 2b \quad a + 6b \quad a + 10b \quad \dots \quad \dots$$

The 2nd term has value 8

The 5th term has value 44

Work out the values of a and b .

[4 marks]



Higher Tier question aimed at grade 8

26

b is two thirds of c .

$$5a = 4c$$

Work out the ratio $a : b : c$

Give your answer in its simplest form where a , b and c are integers.

[3 marks]



Higher Tier question aimed at grade 9

28

Simplify $\sqrt{80} + \sqrt{2\frac{2}{9}}$

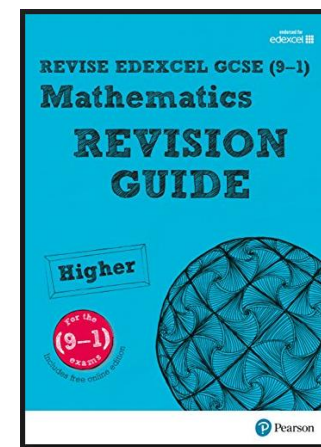
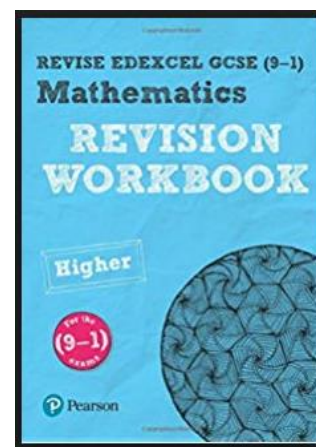
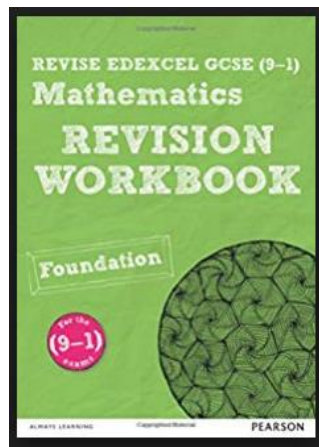
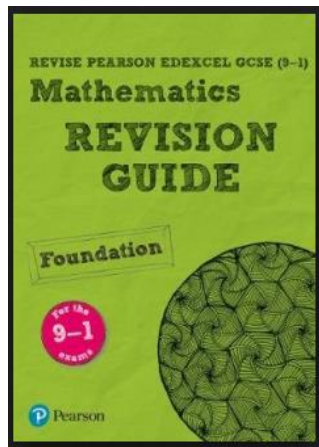
Give your answer in the form $\frac{a\sqrt{5}}{b}$ where a and b are integers.

[3 marks]



What revision resources are available?

- Maths Revision plans
- Revision guides
- Revision workbooks
- Available from the Maths base - £2.65 each
- Revision cards: £3.75 per pack

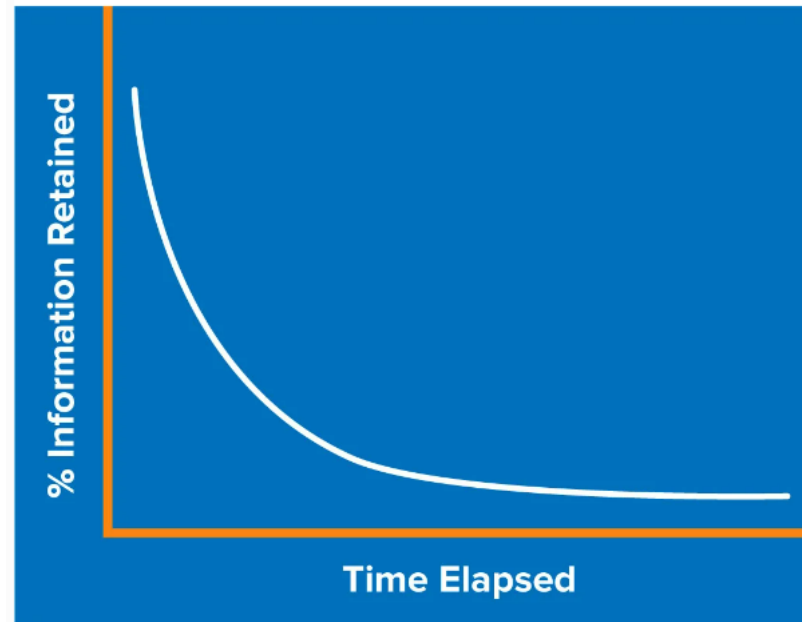


Student expectations

- Attendance & Punctuality
- Fully equipped
- Proactive
- Independent
- Resilient
- Hard-working
- Make the most of lessons



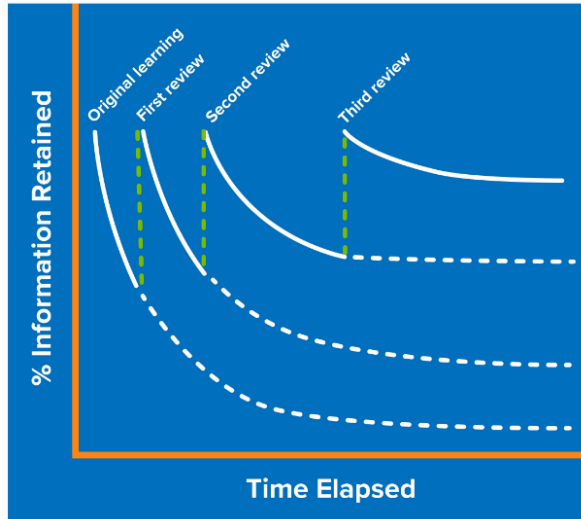
The Big challenge - Making it stick



Ebbinghaus forgetting curve



How do we combat the curve?



1. Spaced learning
2. Overlearning
3. Make it meaningful
4. Challenge your memory



How do we make this work in Maths?

- Two units taught on average per half term
- Unit test at the end of each unit.
- DIT (Directed Improvement Time) – Go over misconceptions – Practice similar questions in lesson following test
- Next Half-term, every starter (first 10 mins of each lesson) will revisit skills from previous half term (Over-learning & spaced out review)
- Termly tests – Exam papers to get used to format. Questions not yet covered will be pointed out.
- Homework on Hegartymaths mainly – Practicing skills learnt in lesson (More overlearning)



Starter Booklets



Name: _____

Richard Lander School

Maths Department



Y7 Starter Booklet

Autumn HT 2

Core

Instructions:

- Every lesson, (with a few exceptions) you will complete one page of this booklet.
- You are testing yourselves on last half term's work
- Through repeated practice over a half term, you will master these skills
- The skills will become lodged in your memory ready for use in more challenging work.
- You will be given between 5 and 10 minutes to do these questions from the second your lesson is scheduled to begin! So make sure you are on time!

My scores: (Please record your marks out of 5 for every starter below)

Lesson 1	Lesson 8	Lesson 15	Lesson 22	
Lesson 2	Lesson 9	Lesson 16	Lesson 23	
Lesson 3	Lesson 10	Lesson 17	Lesson 24	
Lesson 4	Lesson 11	Lesson 18	Lesson 25	
Lesson 5	Lesson 12	Lesson 19		
Lesson 6	Lesson 13	Lesson 20		
Lesson 7	Lesson 14	Lesson 21		

Lesson 1

Question	Working out space												
<p>1. Find the Mode, Median, mean and range of these numbers:</p> <p style="text-align: center;">5, 9, 5, 6, 10</p>	<table border="1"> <tr><td>Mode</td><td></td></tr> <tr><td>Median</td><td></td></tr> <tr><td>Mean</td><td></td></tr> <tr><td>Range</td><td></td></tr> </table>	Mode		Median		Mean		Range					
Mode													
Median													
Mean													
Range													
<p>2. Draw a bar chart to show the number of students absent from school in a week.</p> <table border="1" style="display: inline-table; margin-right: 10px;"> <thead> <tr> <th></th> <th>Mon</th> <th>Tues</th> <th>Wed</th> <th>Thurs</th> <th>Fri</th> </tr> </thead> <tbody> <tr> <td>Number of students</td> <td>12</td> <td>10</td> <td>13</td> <td>17</td> <td>19</td> </tr> </tbody> </table>		Mon	Tues	Wed	Thurs	Fri	Number of students	12	10	13	17	19	<p style="text-align: center;">Students absent from school</p>
	Mon	Tues	Wed	Thurs	Fri								
Number of students	12	10	13	17	19								
<p>3. Work out</p> <p style="text-align: center;">$7 + 9 \times 4$</p>													
<p>4. Work out</p> <p style="text-align: center;">432×4</p>													
<p>5. Find the Lowest Common Multiple of 8 and 12</p>													

Lesson 2

Question	Working out space										
<p>1. Find the Mode, Median, mean and range of these numbers:</p> <p style="text-align: center;">12, 7, 9, 12, 10</p>	<table border="1"> <tr><td>Mode</td><td></td></tr> <tr><td>Median</td><td></td></tr> <tr><td>Mean</td><td></td></tr> <tr><td>Range</td><td></td></tr> </table>	Mode		Median		Mean		Range			
Mode											
Median											
Mean											
Range											
<p>2. The table shows information about how teachers travel to work at RLS</p> <table border="1" style="display: inline-table; margin-right: 10px;"> <thead> <tr> <th>Car</th> <th>Walk</th> <th>Train</th> <th>Bus</th> <th>Bike</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> <td>2</td> <td>8</td> <td>4</td> </tr> </tbody> </table> <p>On the grid, draw a bar chart to show this data.</p>	Car	Walk	Train	Bus	Bike	20	4	2	8	4	<p style="text-align: center;">Teacher's mode of transport to work</p>
Car	Walk	Train	Bus	Bike							
20	4	2	8	4							
<p>3. Work out</p> <p style="text-align: center;">$37 - 80 \div 4$</p>											
<p>4. Work out</p> <p style="text-align: center;">216×9</p>											
<p>5. Find the Lowest Common Multiple of 20 and 35</p>											



Maths Revision Plans

Maths Revision Plan

- On top of your weekly 1 hour of maths HW you should be spending additional time revising the topics that you recognised as 'Quick Fixes' following your Baseline assessment.
- Fill this sheet in after revising the clips you have selected
- Show your working out in the same way that you do for your HW but in the back of your blue HW book.
- If your effort in lessons, homework and revision are excellent, you are more likely to achieve your target grade.

Exam Q	Topic	Heg Clips	Session 1			Session 2		
			Date	Clip number	Quiz score	Date	Clip number	Quiz score
			WC 26/10			WC 30/11		
			WC 26/10			WC 07/12		
			WC 02/11			WC 14/12		
			WC 09/11			WC 21/12		
			WC 16/11			WC 28/11		
			WC 23/11			WC 04/01		









HegartyMaths.com


Moodle @ RLS | Series Explorer | ActiveLearn | Page 35 - Maths Progress Second | My stats

hegartymaths | Choose lesson | Search HegartyMaths | Revise | My tasks 2 | My scores | Aaron AS

Hi there Aaron,

Here is how you have been working on HegartyMaths this year!
Remember to always work hard and never give up.

 0.1 hrs	 0.0 hrs
 0.0 hrs	 0.1 hrs
 37	 35


Activate weekly goal

Skill performance summary

925 Skills

Legend: 100% (green), 70-99% (orange), 0-69% (red), Not done (blue)

Support companies | Privacy notice | Ts&Cs | Success stories

hegartymaths | 10:46 | 10/11/2020

How will we support?

- Lessons are obviously crucial
- Starter booklets
- MRPs following termly assessments
- Access to Hegarty maths and other online resources
- Open door policy
- Year 11 – Extra revision sessions
- Years 10&11 – PM tutor programme.



How can you support at home?

- Please provide a quiet and distraction free working environment at home for your child to work in.
- Take an interest in their Maths work, even if it was not your strongest subject when you were at school.
- Encourage them to do their Maths revision between key assessments
- Make sure they are well equipped.
- Make sure they get enough sleep and eat healthily.
- Speak about your own experience of Maths at school and how it is relevant in your every-day and working life.



Other courses on offer by the Maths department

1. GCSE Statistics (Twilight GCSE course)
2. Further Maths Certificate
3. Entry Level Certificate
4. Number & Measure Maths Award



“Amateurs practise until they get it right;
Professionals practise until they can't get
it wrong!”





Punctuation is important!

A woman without her man is nothing.
A woman: without her, man is nothing.

Let's eat Grandma!

Let's eat, Grandma!



GCSE English Language and GCSE English Literature

The Key Stage 4
Experience

Is it much different to Key Stage 3?

Course content

- ❖ Linear structure
- ❖ How it works in the classroom
- ❖ Attendance
- ❖ Set texts
- ❖ Homework requirements

Specification updates from 2017

- **Exam only – no coursework**
- **Closed book**
- **Grades 1-9 all on one tier of entry**
- **A grade 5 or above as a strong pass; below grade 4/5 could lead to re-sit**
- **Greater emphasis on technical accuracy**
- **Greater emphasis on ability to use subject terminology**
- **Greater emphasis on formal speaking skills**

The detail....

What is the combined course about?


GCSE English Language:

3 areas of focus

- Reading assessed by exam
- Writing assessed by exam
- Speaking and Listening assessed by recorded test

GCSE English Literature:

- A novel, pre-released poetry, unseen poetry and drama texts from two different times



We alternate between the two subjects and all exams are at the end of Year 11.

- Students who need 5 passes for their college courses can get two of them from English.

Attendance

- Every lesson in year 10 and year 11 is linked to an aspect of the GCSE courses.
- Every lesson missed is part of the exam that has not been covered in as much depth or detail.
- Direct correlation between achievement and attendance.
- But life happens!

Language - a little more detail....

- **GCSE English Language:**
- **Reading and writing assessed by two examinations**
- **Speaking and Listening assessed by recorded test**

Reading questions assess:

- Retrieval of information
- Summarising
- Commenting on language and structure
- Comparing texts from two different times
- Evaluating texts

Writing questions assess:

- Composition and organisation
- Technical accuracy – sentences, spelling, punctuation and grammar

Literature – a little more detail

- GCSE English Literature:
 - Novels, poetry and drama

Two exam papers

1. Shakespeare (Romeo and Juliet) and 19th Century Novel (The Sign of Four / A Christmas Carol) – *1hr 45mins*
2. Modern text (An Inspector Calls), pre-released poetry comparison and unseen poetry with a comparison – *2hr 15mins*

Some new (but very old 'O' level type) things in the 9-1 Literature course

Learning quotes:

- Students will be given extract from Shakespeare / 19th century novel but will have to refer to the whole text – know **quotes**
- Students will be given a poem from the cluster they have studied, but will have to compare it to another poem they have studied – know **quotes**
- Students will write about 'An Inspector Calls' and will have to include supporting **quotes** they have learnt

Quotes and memory



- Students will need to know a variety of quotes from their set texts
- At least one or two from each of the poems which = 30
- And some from all the other set texts.
- If they say they have no homework, they can definitely go on line and learn quotes.

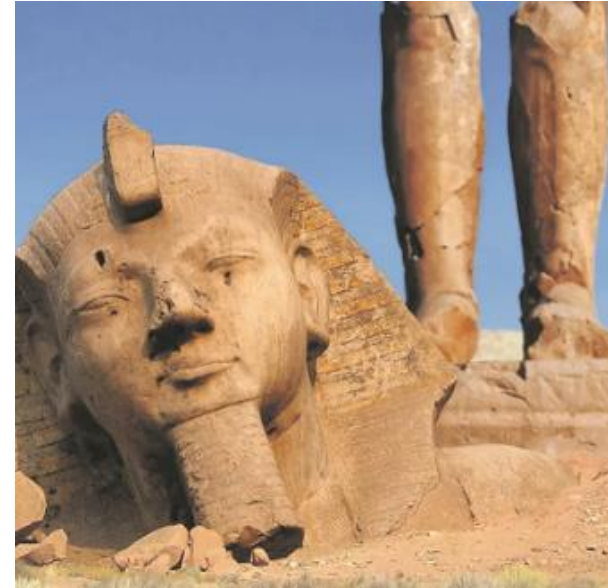
Sample questions

Compare the ways poets present ideas about pride in ‘Ozymandias’ and in one other poem from ‘Power and Conflict’ [30 marks]

OZYMANDIAS

I met a traveller from an antique land
Who said: Two vast and trunkless legs of stone
Stand in the desert. Near them on the sand,
Half sunk, a shatter'd visage lies, whose frown
And wrinkled lip and sneer of cold command
Tell that its sculptor well those passions read
Which yet survive, stamp'd on these lifeless things,
The hand that mock'd them and the heart that fed;
And on the pedestal these words appear:
'My name is Ozymandias, king of kings:
Look on my works, ye Mighty, and despair!
Nothing beside remains. Round the decay
Of that colossal wreck, boundless and bare,
The lone and level sands stretch far away.

PERCY BYSSHE SHELLEY

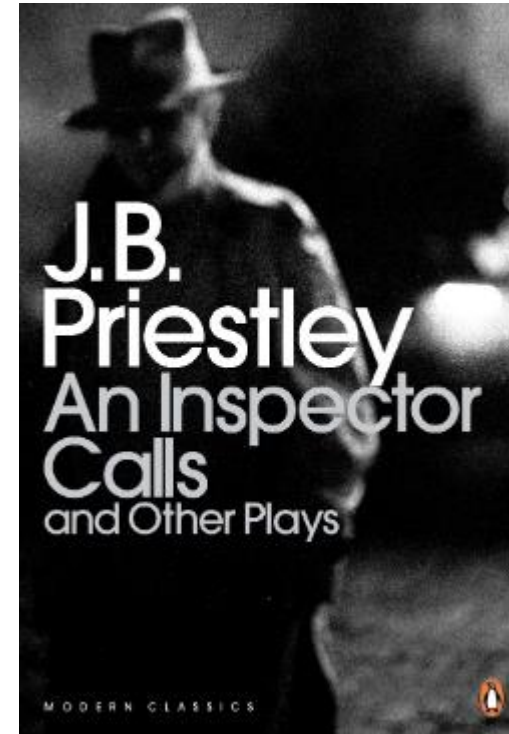


Sample questions

How does Priestley explore the issue of class in *An Inspector Calls*?

Write about:

- the ideas about class in *An Inspector Calls*
- how Priestley presents these ideas by the ways he writes.



Challenge – can we learn 1 or 2 key quotes in the next few minutes?

How can you learn them?

- Repeating aloud
- Recording and listening to over and over
- Look, say, cover, write, check
- Use a partner to prompt
- Look for patterns
- Put on post its / cards and display prominently

These quotes come from the opening chapters of 'The Sign of Four'...

- **'My mind,' he said, 'rebels at stagnation...'**
- **'Give me problems, give me work'**
- **'I never guess'**





Importance of Speaking task

- 0% value in GCSE although it is separately accredited on exam certificate (pass, merit, distinction)
- Homework tasks
- Not optional
- Key skill
- **How can you help?**
 - Encourage your child to rehearse their talk
 - Encourage them to record themselves and play it back
 - Do they sound interested in the topic?
 - Do they sound natural?
 - Can they answer questions and discuss their topic beyond their talk?



How do I help my child with writing?

- Writing exam response process
 - Read it aloud to spot errors
 - Check for the spelling, punctuation and grammar
 - Encourage dictionary and thesaurus use for vocabulary variety
 - Use the checklists provided by teachers to assess the range of punctuation used etc.
 - Ration social media/gaming time (always a favourite one...)
 - Encourage neatness of presentation
- Exam practice papers and questions
- Encourage your child to read widely and re-read the set texts

How can we help our young people with reading?

How can we ensure that they continue to develop so they can access the reading in all their exams, not just the English ones?



From this...

The first thing you noticed about Miss Root was her teeth. She had the most dazzling white smile. Whiter than white. Like a fluorescent light. Her teeth were absolutely flawless. So flawless they couldn't possibly be real. The second thing you noticed about Miss Root was that she was impossibly tall. Her legs were so long and thin, it was like watching someone walk on stilts.

The Demon Dentist – David Walliams

To this...

...And in this state she gallops night by night
Through lovers' brains, and then they dream of love;
O'er courtiers' knees, that dream on court'sies straight,
O'er lawyers' fingers, who straight dream on fees,
O'er ladies' lips, who straight on kisses dream,
Which oft the angry Mab with blisters plagues,
Because their breaths with sweetmeats tainted are:
Sometime she gallops o'er a courtier's nose,
And then dreams he of smelling out a suit;
And sometime comes she with a tithe-pig's tail
Tickling a parson's nose as a' lies asleep,
Then dreams, he of another benefice:
Sometime she driveth o'er a soldier's neck,
And then dreams he of cutting foreign throats,
Of breaches, ambuscadoes, Spanish blades,
Of healths five-fathom deep; and then anon
Drums in his ear, at which he starts and wakes,
And being thus frightened swears a prayer or two
And sleeps again.

Romeo and Juliet – Shakespeare

Helping promote reading

- Encourage as much reading as possible
- Set an example with your own reading
- Discuss books / magazine / websites – use how and why based questions
- Some students value ebooks as an alternative
- Others find audiobooks helpful
- KS4 Reading List available...

KS4 Recommended Reading List

(v. 02)

The books in this list have been carefully selected by the English department at Richard Lander School. We hope this list helps you to discover new books and inspires your own creative writing.

Do you have any books that you would recommend? Let us know and we will update the list!

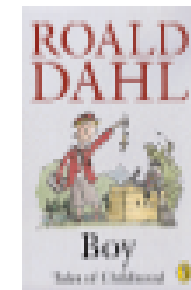
Please be mindful that some of the books listed are challenging, whilst others contain sensitive topics and mature content. We recommend that parents/ carers always check a book before reading.

Enjoy!



Autobiographical and Biographical

Maya ANGELOU	<i>I Know Why the Caged Bird Sings</i>
Sir David ATTENBOROUGH	<i>Adventures of a Young Naturalist</i>
Jenson BUTTON	<i>Life to the Limit</i>
Roald DAHL	<i>Boy: Tales of Childhood</i>
Gerald DURRELL	<i>My Family and Other Animals</i>
Jonathan EIG	<i>Ali: A Life</i>
Anne FRANK	<i>Diary of Anne Frank</i>
Steven GERARD	<i>Gerard: My Autobiography</i>
Martin GILBERT	<i>Churchill: A Life</i>
Jessica ENDS-HILL	<i>Unbelievable - From My Childhood Dreams to Winning Olympic Gold</i>
Walter ISAACSON	<i>Steve Jobs</i>
James JOYCE	<i>A Portrait of the Artist as a Young Man</i>



Screen Time Limit?

- **SCREEN TIME WARNING**
- **Phone/computer/playstation/
Xbox/Netflix/youtube etc**
- **Are they actually reading / doing
homework / revising / researching on the
net?**





Sometimes they will have a homework research task

- Cover the context of the set texts and student need to refer to this in their exam responses
- Encourage synthesis of information – bringing together ideas and putting in their own words
- Discourage just printing out pages from the internet
- Ask students to reference their sources – so they get used to this for college / university

Research questions for 'An Inspector Calls' (could include)

Find out about the labour unrest in early 1900s that culminated in general strikes.

Who were George Bernard Shaw and HG Wells? What were their political views?

Find out the difference between capitalism and socialism.

Research the class structure of Edwardian England.

What were the key events that led to the sinking of the 'Titanic'?

Other homework tasks might include:

- Personal spellings
- Key words / vocabulary learning
- Learning of quotations
- Short writing tasks focused on particular skills
- Independent reading tasks
- Producing revision materials for texts
- Past paper questions

Set texts:

- 'Romeo and Juliet' – William Shakespeare
- 'A Christmas Carol' – Charles Dickens
- 'An Inspector Calls' – JB Priestley
- Set poetry from the AQA anthology

These quotes come from the opening chapters of The Sign of Four...

- **‘My mind,’ he said, ‘rebels at stagnation...’**
- **‘Give me problems, give me work’**
- **‘I never guess’**



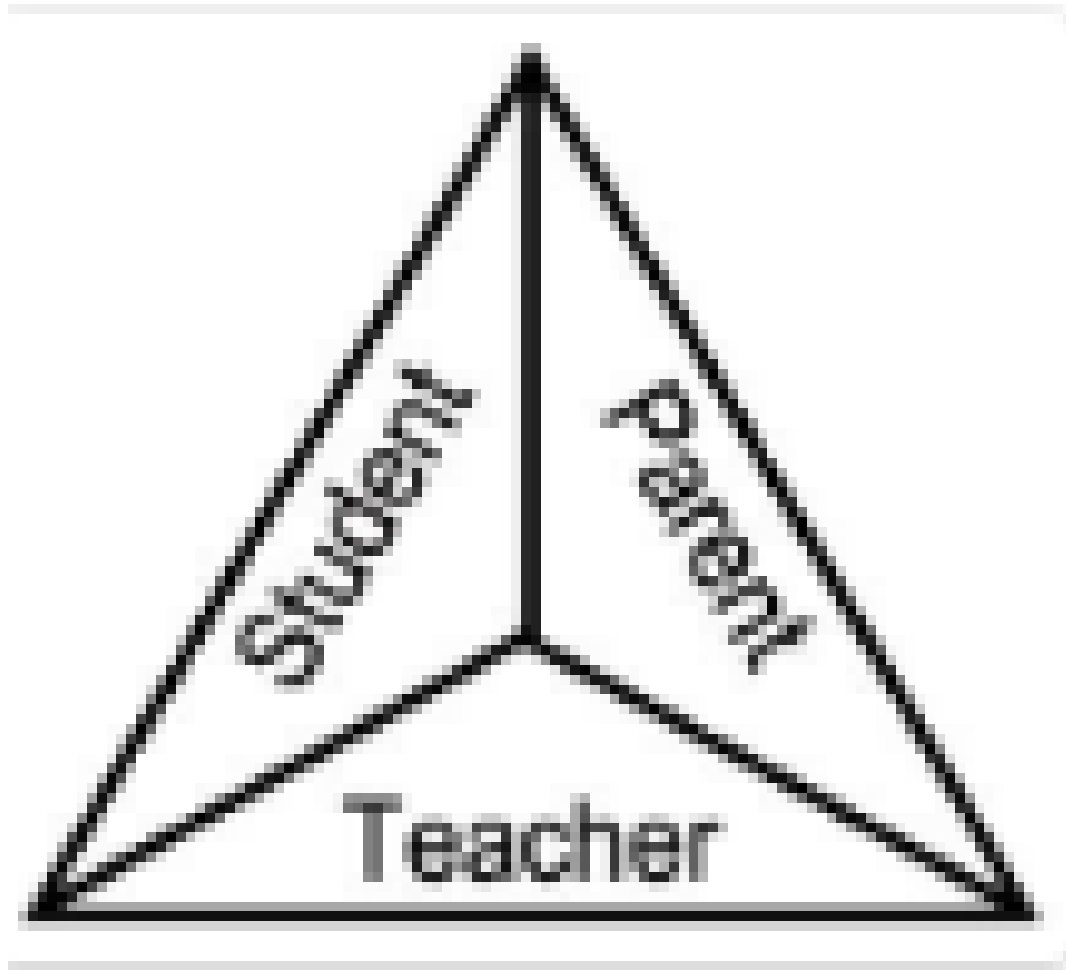
Further information

Contact details:

- gcse-english@richardlander.cornwall.sch.uk
- ahughes@richardlander.cornwall.sch.uk
- castle@richardlander.cornwall.sch.uk

Or your child's English teacher ...

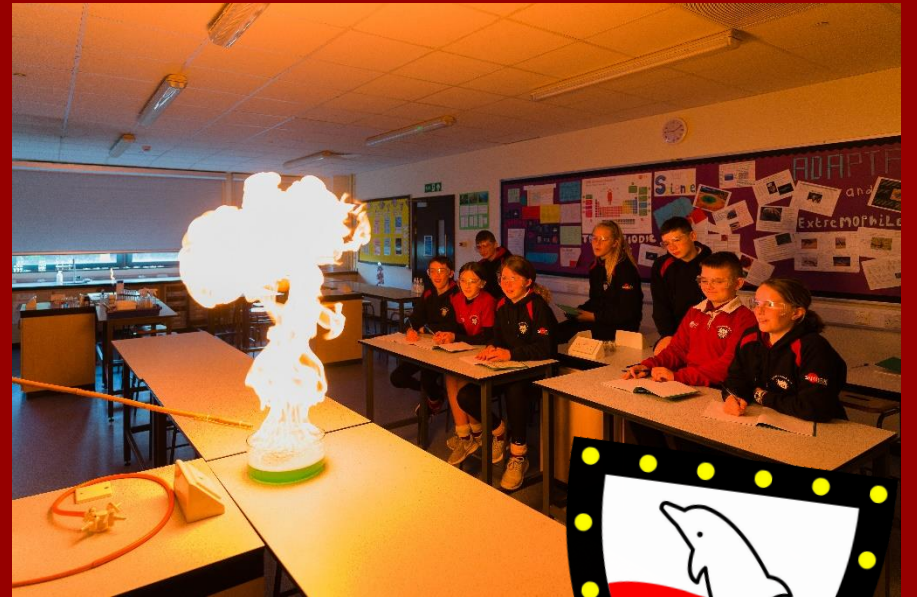
Thank you for all your support..



Welcome

Science at RLS

be the best you can be...



Exam Board: **AQA**

Two Routes: **GCSE Combined**

Science TRILOGY

OR

GCSE Triple Science

Exam Board: AQA

Course: GCSE

Combined Science
TRILOGY

10 lessons per
fortnight with 2
different teachers

Year 10 topics

Biology Paper 1

- B1 = Cell structure and transport
- B2 = Cell division
- B3 = Organisation and the digestive system
- B4 = Organising animals and plants
- B5 = Communicable diseases**
- B6 = Preventing and treating disease**
- B7 = Non-communicable diseases**
- B8 = Photosynthesis
- B9 = Respiration

Chemistry Paper 1

- C1 = Atomic structure**
- C2 = The periodic table**
- C3 = Structure and bonding
- C4 = Chemical calculations
- C5 = Chemical changes
- C6 = Electrolysis
- C7 = Energy Changes

Physics Paper 1

- P1 = Conservation and dissipation of energy
- P2 = Energy transfer by heating
- P3 = Energy resources**
- P4 = Electric circuits
- P5 = Electricity in the home
- P6 = Molecules and matter
- P7 = Radioactivity

Year 11 topics

Biology Paper 2

- B10 = The human nervous system
- B11 = Hormonal co-ordination
- B12 = Reproduction
- B13 = Variation and evolution
- B14 = Genetics and evolution
- B15 = Adaptations, interdependence and competition
- B16 = Organising an ecosystem
- B17 = Biodiversity and ecosystems

Chemistry Paper 2

- C8 = Rates and equilibrium (start in Y10)**
- C9 = Crude oil and fuels
- C10 = Chemical analysis
- C11 = The Earth's atmosphere
- C12 = The Earth's resources**

Physics Paper 2

- P8 = Forces in balance (start in Y10)**
- P9 = Motion
- P10 = Forces and motion
- P11 = Wave properties**
- P12 = Electromagnetic waves**
- P13 = Electromagnetism

AQA TRILOGY: GCSE Combined Science Exams

Biology
Paper 1
70 marks
1 hour 15 mins

Chemistry
Paper 1
70 marks
1 hour 15 mins

Physics
Paper 1
70 marks
1 hour 15 mins

Covered in
Year 10

Biology
Paper 2
70 marks
1 hour 15 mins

Chemistry
Paper 2
70 marks
1 hour 15 mins

Physics
Paper 2
70 marks
1 hour 15 mins

Covered in
Year 11

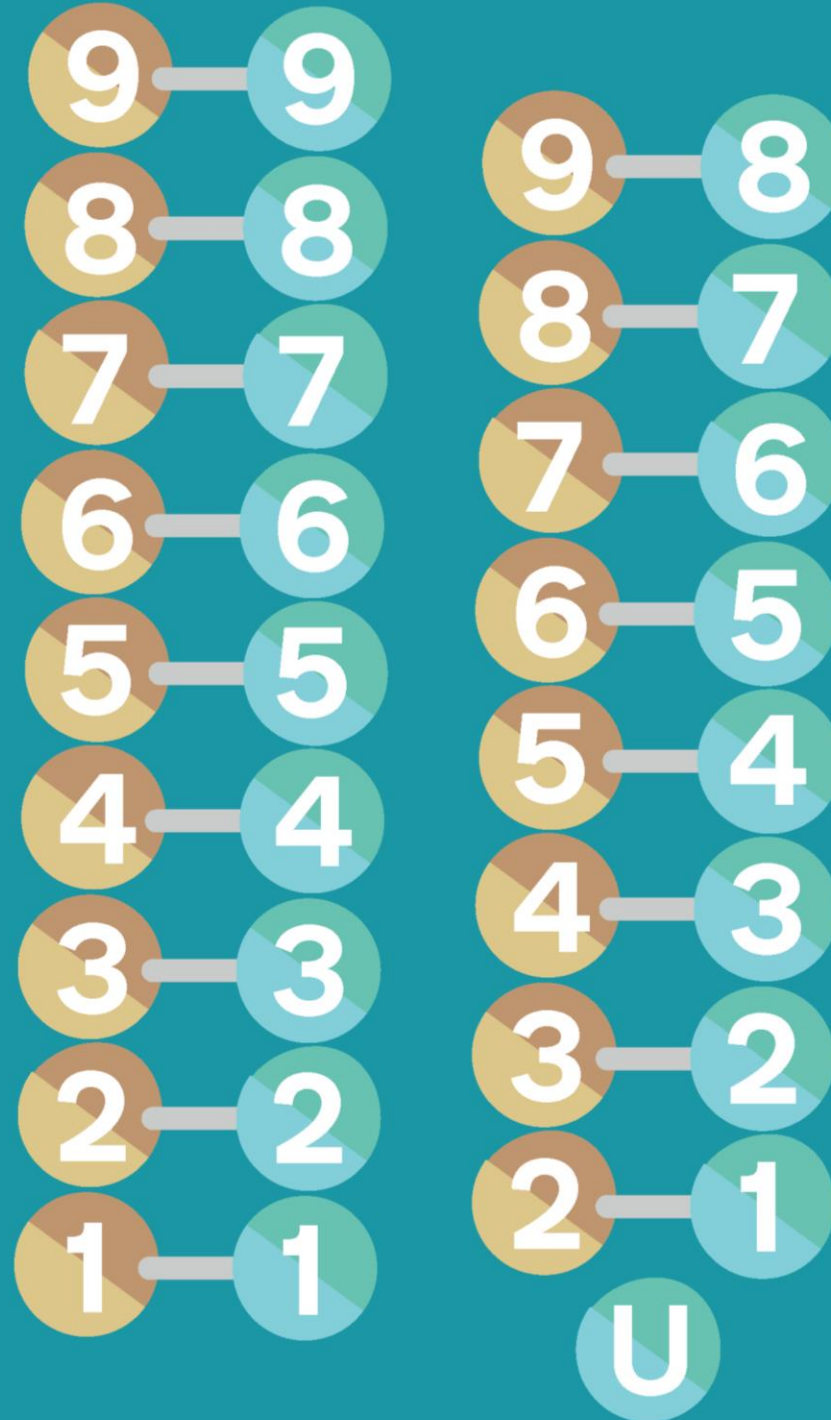
GCSE Combined Science

Double Award Grading System

Students will sit all 6 exams at the end of Year 11.

The scores from all of the 6 papers are added up to give a mark out of 420.

This score generates the science double award grade.



Exam Board: AQA



Course: **GCSE Triple
Biology, Chemistry and
Physics.**

15 lessons per
fortnight with 3
specialist
teachers

**AQA
GCSE
Triple
Science**

Biology
Paper 1
100 marks
1 hour 45 mins

Chemistry
Paper 1
100 marks
1 hour 45 mins

Physics
Paper 1
100 marks
1 hour 45 mins

Biology
Paper 2
100 marks
1 hour 45 mins

Chemistry
Paper 2
100 marks
1 hour 45 mins

Physics
Paper 2
100 marks
1 hour 45 mins



**One GCSE Grade
9-1**



**One GCSE Grade
9-1**



**One GCSE Grade
9-1**

Biology Paper 1

- B1 = Cell structure and transport
- B2 = Cell division
- B3 = Organisation and the digestive system
- B4 = Organising animals and plants
- B5 = Communicable diseases**
- B6 = Preventing and treating disease**
- B7 = Non-communicable diseases**
- B8 = Photosynthesis
- B9 = Respiration

Biology Paper 2

- B10 = The human nervous system
- B11 = Hormonal co-ordination
- B12 Homeostasis in action***
- B13 = Reproduction
- B14 = Variation and evolution
- B15 = Genetics and evolution
- B16 = Adaptations, interdependence and competition
- B17 = Organising an ecosystem
- B18 = Biodiversity and ecosystems

AQA GCSE: Triple Chemistry

Chemistry Paper 1

- C1 = Atomic structure
- C2 = The periodic table
- C3 = Structure and bonding
- C4 = Chemical calculations
- C5 = Chemical changes
- C6 = Electrolysis
- C7 = Energy Changes

Chemistry Paper 2

- C8 = Rates and equilibrium
- C9 = Crude oil and fuels
- C10 = Organic reactions**
- C11 Polymers**
- C12 = Chemical analysis
- C13 = The Earth's atmosphere
- C14 = The Earth's resources
- C15 = Using our resources**

AQA GCSE: Triple Physics



Physics Paper 1

P1 = Conservation and dissipation of energy

P2 = Energy transfer by heating

P3 = Energy resources

P4 = Electric circuits

P5 = Electricity in the home

P6 = Molecules and matter

P7 = Radioactivity

Physics Paper 2

P8 = Forces in balance P9 = Motion

P10 = Forces and motion

P11 = Force and pressure

P12 = Wave properties

P13 = Electromagnetic waves

P14 = Light

P15 = Electromagnetism

P16 = Space

GCSE Triple Science Grading

Students will be awarded 3 separate science GCSEs – Biology, Chemistry and Physics.

The marks from both exam papers (e.g. biology) are added up to give a mark out of 200.

This score out of 200 generates the final grade.

GCSE Grading	
New Grading Structure	Old Grading Structure
9	A*
8	
7	A
6	B
5	
Standard Pass → 4	C
3	D
2	E
1	F
	G
U	U



Username/Email

4bany

School login

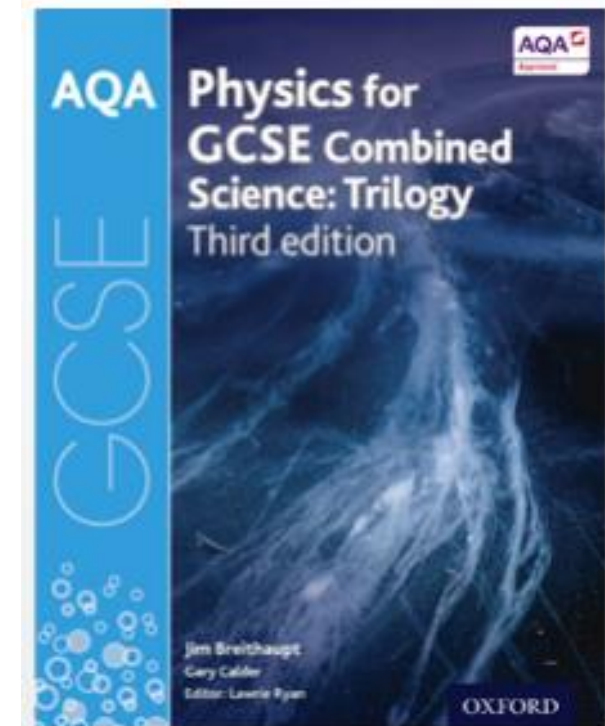
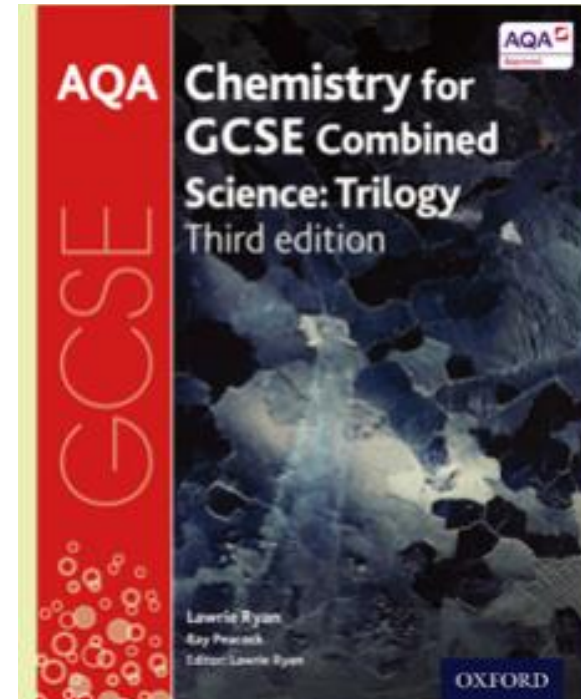
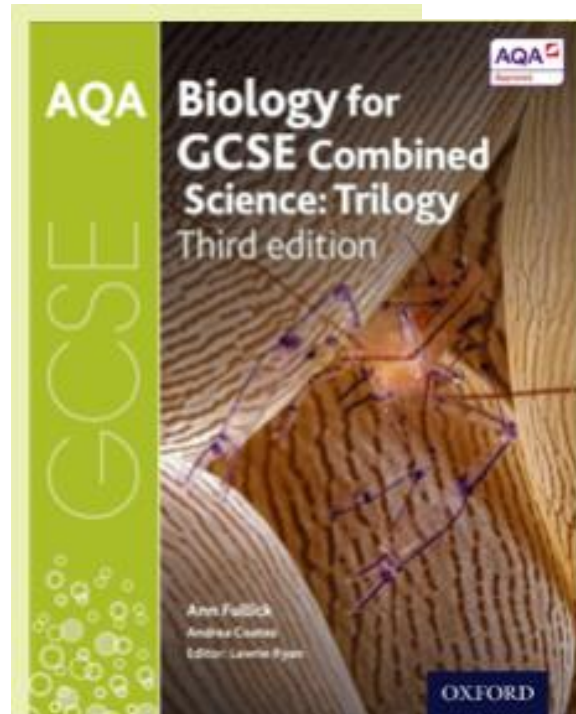
Password

Your teacher can re-set this if you have forgotten

Institution Code

sti6

This is the same for everyone



How Can I Follow My Child's
Progress?



You will find this record card in the front of each of their Science books

Science Topics:

Target:

Year 10 Biology and Chemistry Combined Science (7:3)

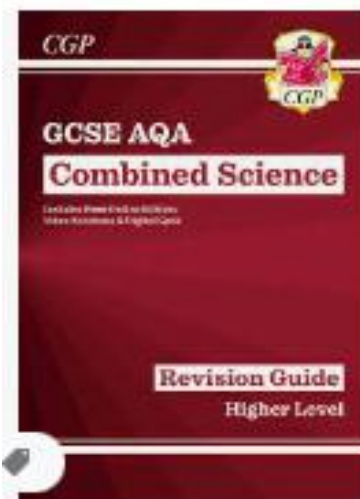


Topic 1		Topic 2		Topic 3		Topic 4		Topic 5		Topic 6	
Chemistry: Structure and Bonding (Chapter 3)		Biology : Cell Structure & Transport, Cell division (Chapter 1 & 2)		Chemistry: Chemical Calculations & Chemical Changes (Chapter 4 & 5)		Biology: Organisation & The Digestive System, Organising Animals & Plants (Chapter 3 & 4)		Chemistry: Electrolysis & Energy Changes (Chapter 6 & 7)		Biology: The Human Nervous System & Hormonal Control (Chapter 10 & 11)	
1. States of Matter 2. Atoms into ions 3. Ionic bonding 4. Giant ionic structures 5. Covalent bonding 6. Structure of simple molecules 7. Giant Covalent structures 8. Fullerenes and graphene 9. Bonding in metals 10. Giant metallic structures		1. The World of the Microscope 2. Animal and Plant Cells 3. Prokaryotic and Eukaryotic Cells 4. Specialisation in Animal Cells 5. Specialisation in Plant Cells 6. Diffusion 7. Osmosis 8. Osmosis in Plants 9. Active Transport 10. Exchanging Materials 11. Cell Division 12. Growth and Differentiation 13. Stem Cells 14. Stem Cell Dilemmas		1. Relative masses and moles 2. Equations and calculations (HT) 3. From masses to balanced equations (HT) 4. Expressing concentrations 5. The reactivity series 6. Displacement reactions 7. Extracting metals 8. Salts from metals 9. Salts from insoluble bases 10. Making more slats 11. Neutralisation & the pH scale 12. Strong & weak acids (HT)		1. Tissues and Organs 2. The Human Digestive System 3. The Chemistry of food 4. Catalysts and enzymes 5. Factors Affecting Enzyme Action 6. How the Digestive System Works 7. Making Digestion Efficient 8. The Blood 9. The Blood Vessels 10. The Heart 11. Helping the Heart 12. Breathing and Gas Exchange 13. Tissues & organs in plants 14. Transport Systems in Plants 15. Evaporation and Transpiration 16. Factors affecting transpiration		1. Introduction to Electrolysis 2. Changes at the electrodes 3. Extraction of Aluminium 4. Electrolysis of Aqueous Solutions 5. Exothermic & Endothermic reactions 6. Using energy transfers from reactions 7. Reaction profiles 8. Bond Energy calculations (HT)		1. Principles of Homeostasis 2. The Structure and Function of the nervous system 3. Reflex Actions 4. Principles of hormonal control 5. The control of blood glucose levels 6. Treating diabetes 7. The role of negative feedback (HT) 8. Human Reproduction 9. Hormones and the menstrual cycle (HT) 10. The artificial control of fertility 11. Infertility treatments (HT)	
Test Score		Test Score		Test Score		Test Score		Test Score		Test Score	

Your child will complete their test scores at the end of the topic



Ways to Support Your Child's Science



Revision guides can be purchased on ParentPay

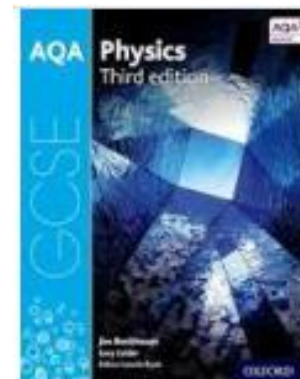
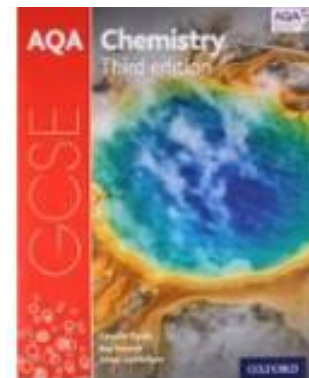
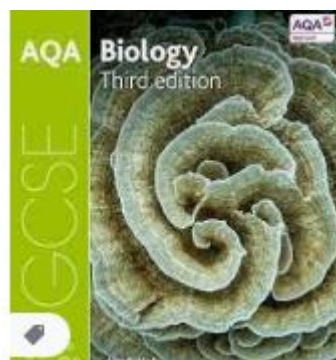
 **TASSOMAI**
The Learning Program

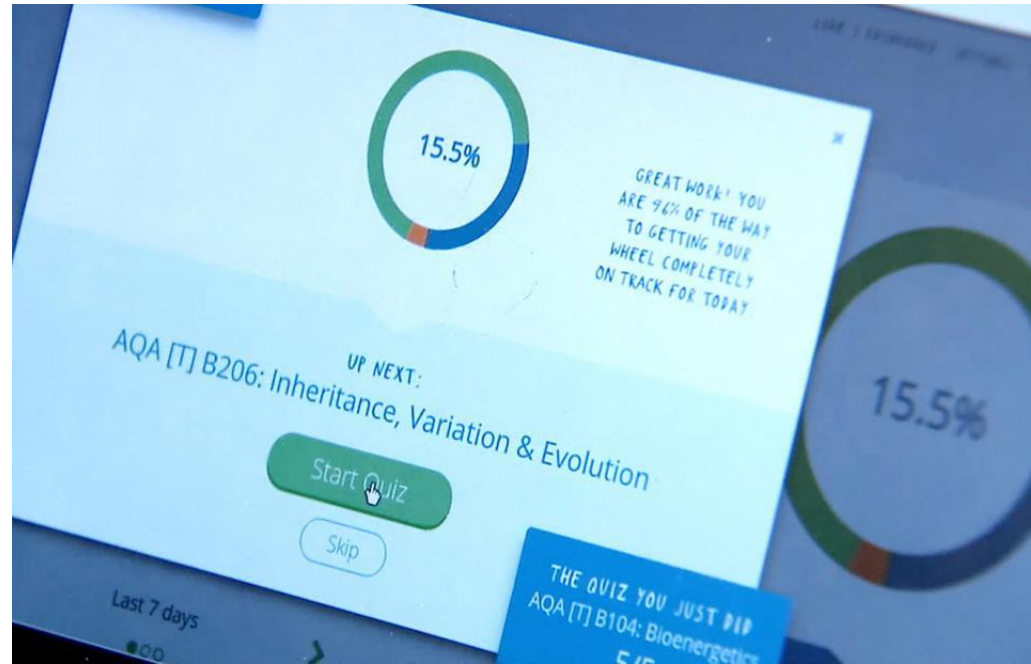
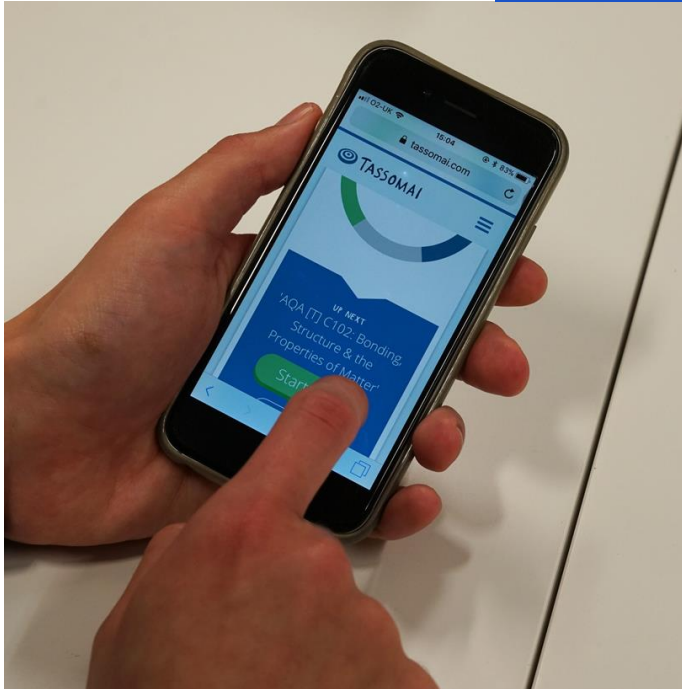
Hit their daily goal!

 **kerboodle**

 **AQA**

Log in with your child's school login for username and password. Institution code: ST16





<https://www.tassomai.com/>