Year 11 Parents' GCSE Information Evening

English, Maths & Science

How to support your child in GCSE English Language and Literature.

Mrs A Clough, Head of English

GCSE Examinations in English

- Students' results are measured by their achievement in 4 examinations. There is no coursework or controlled assessment.
- In English Literature, examinations are closed book.

What does this mean for my child?

- Exam technique and timings are very important.
- Students' knowledge of the texts they have studied must be thorough and detailed.

English Language	
Paper 1	50%
Paper 2	50%
English Literature	
Paper 1	40%
Paper 2	60%

How can I support my child with exam technique?

- Your children have been given clear guidance on which order to answer the questions in and how long to spend on each question. This is available in the following locations:
  - Homework booklets.
  - S-drive.
  - Referred to regularly in lessons.
- Answering Q5 first in Language will help them gain marks.
- Talk to your child about the format of the exam. Do they know the order and the timings?
- “Walk through” mock examinations have helped hone exam technique.
- Regular timed practice will help students to gain confidence.

How can I support my child in English Language?

- Do your children know their **language toolkit**?
- Can they identify these techniques in the things they read?
- Can they discuss their effect?

adverb	**adjective**	**pronoun**	**Modal verbs**
imperative	**simile**	**metaphor**	**Verb**
abstract noun	**onomatopoeia**	**personification**	**anecdote**
rhetorical question	**emotive language**	**hyperbole**	**statistics**
pun	**pathetic fallacy**	**repetition**	**alliteration**

How can I support my child in English Language?

- “Everyday” non – fiction and fiction texts can be used as reading practice.

Why has Malala used the repetition of the emotive adjective “heartbroken”?

What is the effect of this anecdote?

What is the effect of these adjectives?

Malala Fund
Just now ·

Malala Yousafzai's statement on President Trump's latest executive order on refugees:

"I am heartbroken that today President Trump is closing the door on children, mothers and fathers fleeing violence and war. I am heartbroken that America is turning its back on a proud history of welcoming refugees and immigrants — the people who helped build your country, ready to work hard in exchange for a fair chance at a new life.

I am heartbroken that Syrian refugee children, who have suffered through six years of war by no fault of their own, are singled-out for discrimination.

I am heartbroken for girls like my friend Zaynab, who fled wars in three countries — Somalia, Yemen and Egypt — before she was even 17. Two years ago she received a visa to come to the United States. She learned English, graduated high school and is now in college studying to be a human rights lawyer.

Zaynab was separated from her little sister when she fled unrest in Egypt. Today her hope of being reunited with her precious sister dims.

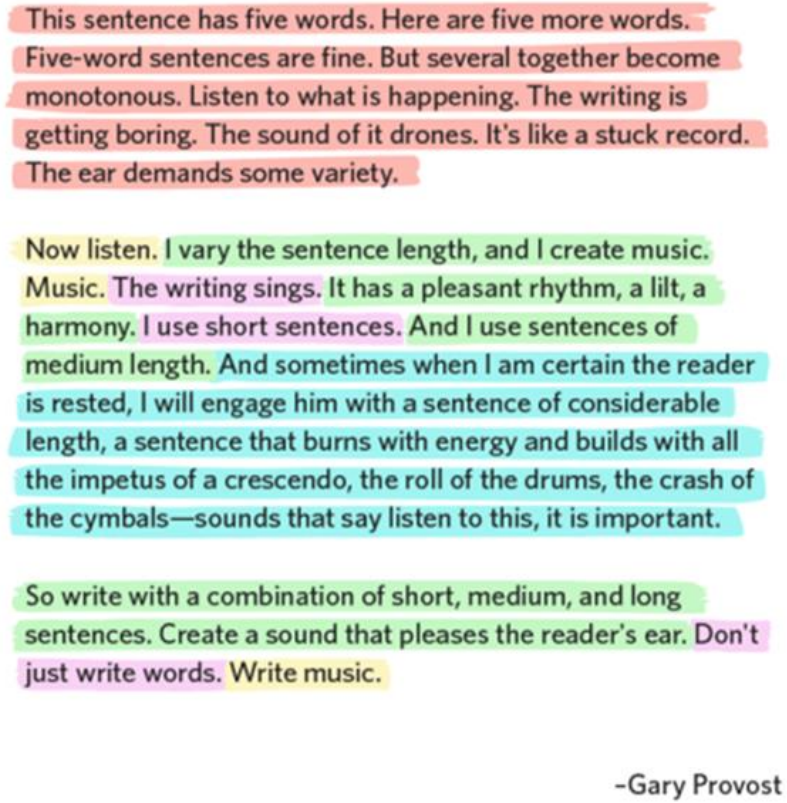
In this time of uncertainty and unrest around the world, I ask President Trump not to turn his back on the world's most defenseless children and families."

HOW DOES MALALA USE LANGUAGE TO TRY AND PERSUADE THE READERS OF HER BLOG?

How can I support my child in English Language

How can I support my child in writing?

- Encourage your child to learn and practise spelling complex and ambitious examples of vocabulary to use in their exam.
- Encourage your child to focus on their written accuracy and to proofread their written work.
- Encourage them to plan before attempting any writing question so that they organise their ideas effectively.
- Focus particular on writing excellent opening and closing paragraphs.
- Encourage and remind your child about time management.
- Encourage your child to think about the audience, purpose and form of the piece of work they are writing.
- Encourage your child to use a variety of sentence lengths and sentence forms. A good way of doing this is to ask your child to count the words of each sentence they have written and note the amount in the margin.
- Ask your child to show you their writing. Ask them why they have used certain techniques and structures.



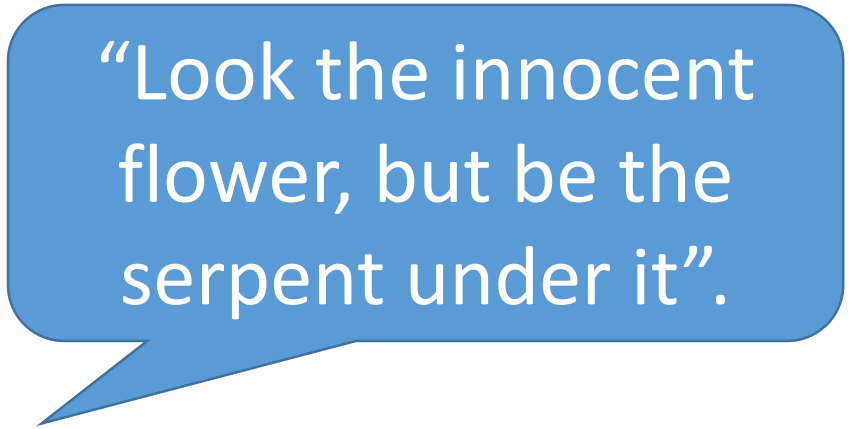
This sentence has five words. Here are five more words. Five-word sentences are fine. But several together become monotonous. Listen to what is happening. The writing is getting boring. The sound of it drones. It's like a stuck record. The ear demands some variety.

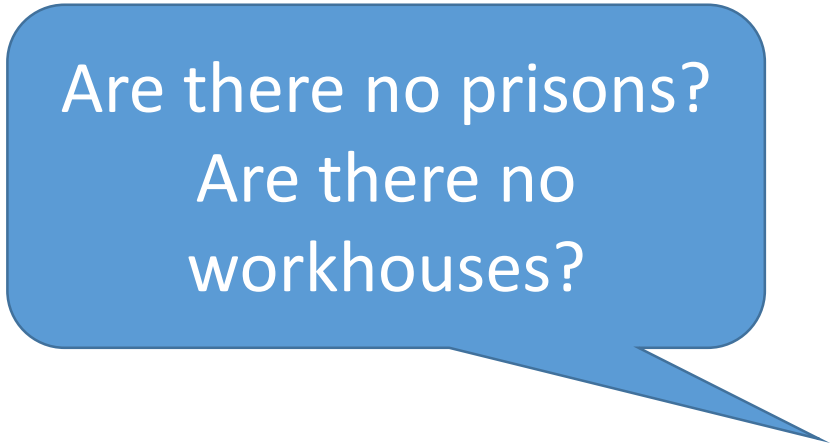
Now listen. I vary the sentence length, and I create music. Music. The writing sings. It has a pleasant rhythm, a lilt, a harmony. I use short sentences. And I use sentences of medium length. And sometimes when I am certain the reader is rested, I will engage him with a sentence of considerable length, a sentence that burns with energy and builds with all the impetus of a crescendo, the roll of the drums, the crash of the cymbals—sounds that say listen to this, it is important.

So write with a combination of short, medium, and long sentences. Create a sound that pleases the reader's ear. Don't just write words. Write music.

–Gary Provost

How can I support my child in English Literature?





Can your child remember key quotations from:

Macbeth

A Christmas Carol

An Inspector Calls **OR** DNA **OR** Curious Incident

Poetry Anthology – Love and Relationships **OR** Power and Conflict.

How can I support my child in English Literature?

Knowledge quizzes on the text.

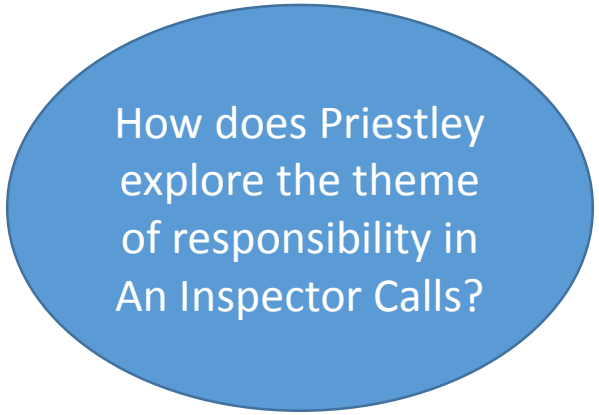
Quick listing:

List 5 significant facts about Jacobean society which relate to themes in Macbeth.

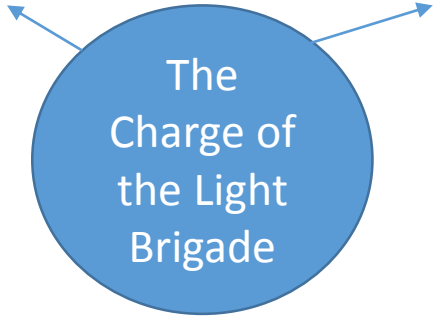
List all of the interactions Eva has with the Birling family in An Inspector Calls.

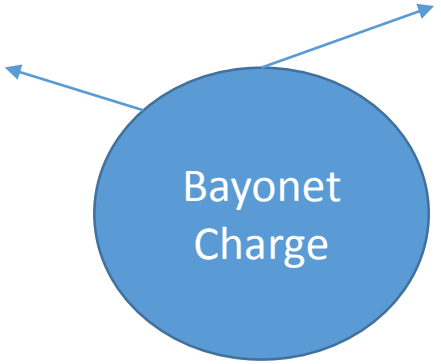
How can I support my child in English Literature?

Essay Planning for DNA/An Inspector Calls/The Curious Incident of the Dog in the Night Time

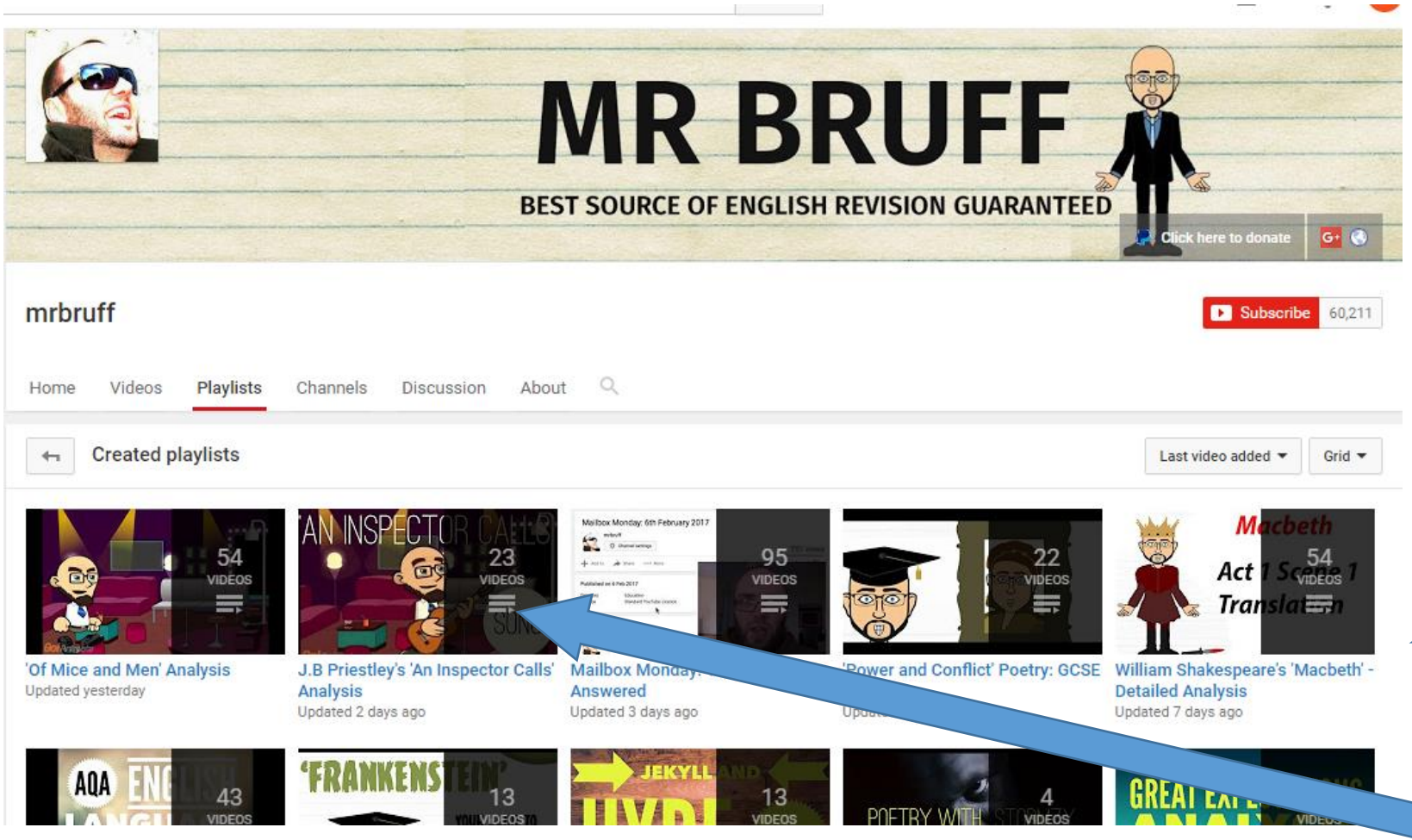


Essay Planning for Poetry Comparison





How can I support my child in English Literature



54 videos on **Macbeth**, including key quotations song.

23 videos on **An Inspector Calls**

Revision Booklets

St Mary's English Department

GCSE English Literature Revision Guide

Macbeth by William Shakespeare

1

St Mary's Catholic School

English Department

A Christmas Carol:

Revision

Name: .....

GCSE English Language Paper 1

Homework Booklet

Explorations in creative reading and writing

GCSE English

Language

Paper 2

Revision Guide

1

Thank You

- Staff are available in the atrium to answer questions:
- Mrs Clough
- Mrs Kidd
- Mrs Bailey
- Ms Gray
- Mr McKeating

Please take a booklet which explains how you can support your child.

Further examples of questions and tasks are in the booklet.

Raising Achievement In Science

Mr Turnbull, Head of Science

Science In School

- All students are entered for the AQA GCSE in Science.
- Students could carry out one of two course – Separate (3 GCSE qualifications) or Trilogy (2 GCSE qualifications).
- There are two tiers: Foundation and Higher
- Students studying the Higher course can access grades 9 – 3 whilst students studying the Foundation course can access grades 5 – 1
- The students need to complete **two** papers in each Science subject at the end of the course.
- For all of the papers, students can use a calculator, protractor and ruler to answer questions.

Science In School

- Students could carry out one of two course – Separate (3 GCSE qualifications) or Trilogy (2 GCSE qualifications).

Separate Award
Students sit two examinations in Biology, Chemistry and Physics.

Each paper is out of 100 marks.
Each paper is worth 50% of the overall grade.

Students can either sit Higher tier or Foundation tier.
Tier entry can alter between the different subjects.

Students receive **3 GCSE** qualifications – one for each subject.
The qualification for each subject does not depend on the other subjects.

Combined Trilogy Award
Students sit two examinations in Biology, Chemistry and Physics.

Each paper is out of 70 marks.
Each paper is worth 17% of the overall grade.

Students can either sit Higher tier or Foundation tier.
Tier entry has to be consistent between the different subjects.

Students receive **2 GCSE** qualifications.
The qualifications are made out of two equal or adjacent grades.
There are 17 possible grade combinations, for example, (9-9), (9-8) through to (1-1).
The qualifications are an average of the three subjects.

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A standard pass in each subject is a 4.

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The qualifications are an average over the three subjects.

A standard pass in each subject is a 4-4.

Science -Additional Support

- There are departmental intervention sessions for each course in each subject.

Time of Session	Class/Year Attending Session	Teacher Running Session	Room
Tuesday Lunchtime	GCSE Physics (Combined Science)	Dr. Wood	F32
Tuesday Lunchtime (Week A) Friday Lunchtime (Week B)	GCSE Chemistry (Combined Science)	Miss Winckle	F27
Tuesday Lunchtime	GCSE Physics	Mr. Elliott	F32
Tuesday After School	GCSE Biology	Mrs. Stewart	F28
Wednesday After School	GCSE Biology (Combined Science)	Miss Rees	F26
Wednesday Lunchtime	GCSE Chemistry	Dr. Reed	F32
Thursday Lunchtime	GCSE Chemistry (Combined Science)	Dr. Jankowski	F28
Thursday Lunchtime/After School	GCSE Biology	Mr. Gray	F30
Friday Lunchtime (Week A)	GCSE Physics (Combined Science)	Mr. Turnbull	F29
Friday Lunchtime	GCSE Chemistry	Dr. Jankowksi	F28
Friday After School	GCSE Physics	Mr. Turnbull	F29

Science – Additional Support

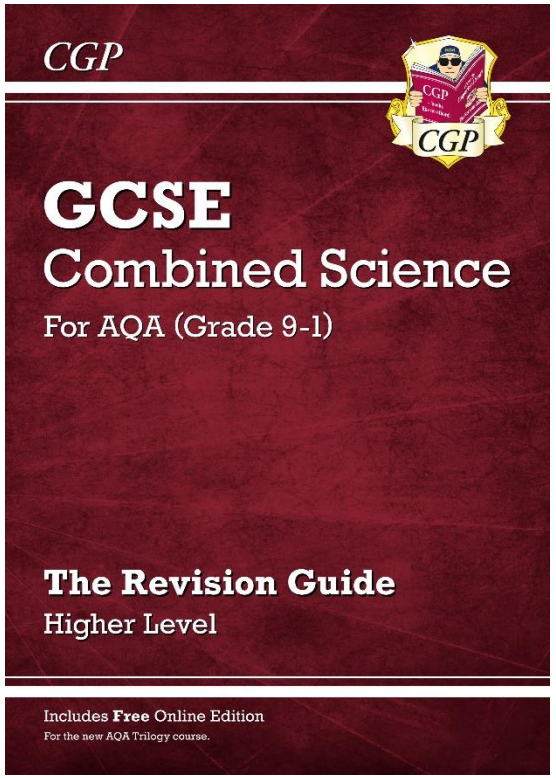
- There are departmental intervention sessions for each course in each Science.

- There will be additional support available after school via study support programme.

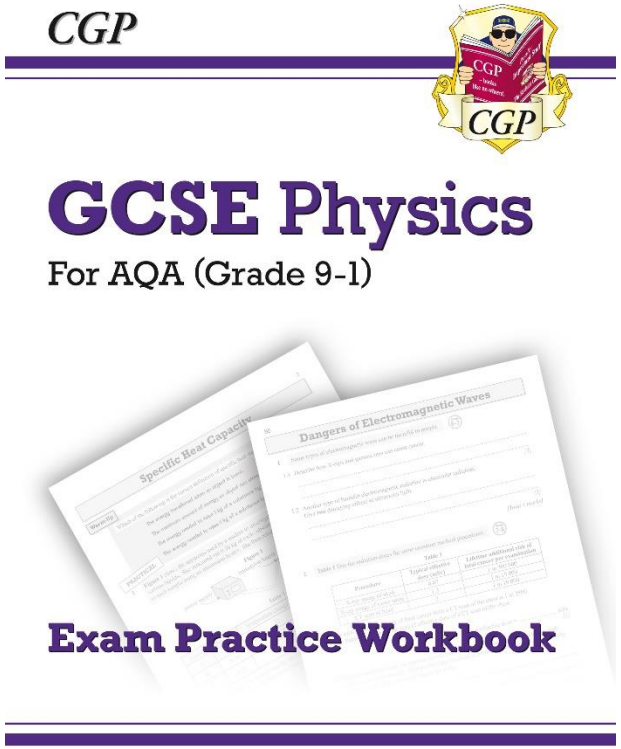
- There will be tutor time intervention – small groups will work together to answer examination style questions.

Science – Revision Materials

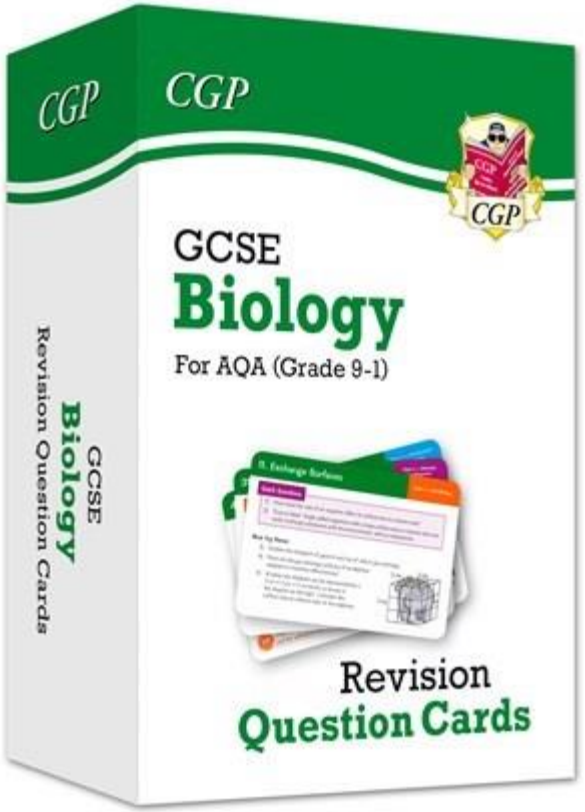
There are several revision resources, produced by CGP, available to purchase at a reduced price through the school.



Revision Guides
Combined Course
Retail Price: £9.95 School Price: £5.50
Separate Course (per subject)
Retail Price: £5.95 School Price: £2.75



Exam Practice Workbook
Combined Course
Retail Price: £9.95 School Price: £5.50
Separate Course (per subject)
Retail Price: £4.95 School Price: £2.75



Revision Question Cards
Combined Course (per subject)
Retail Price: £4.99 School Price: £3.00
Separate Course (per subject)
Retail Price: £7.49 School Price: £4.00

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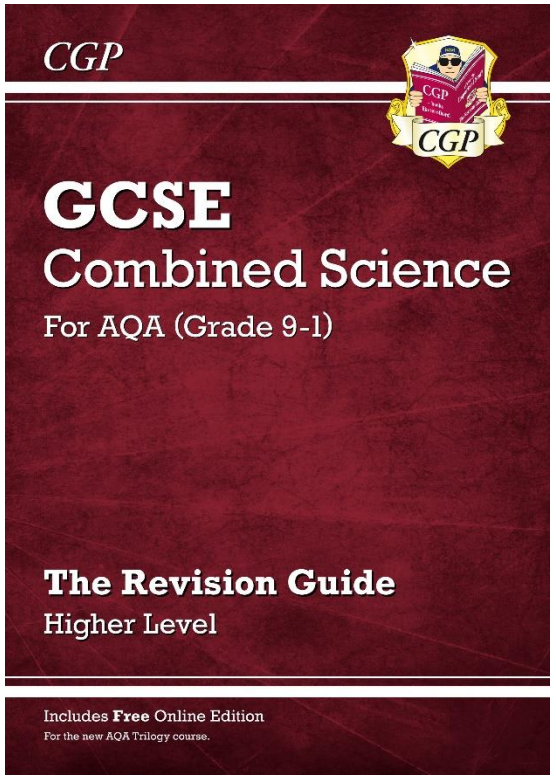
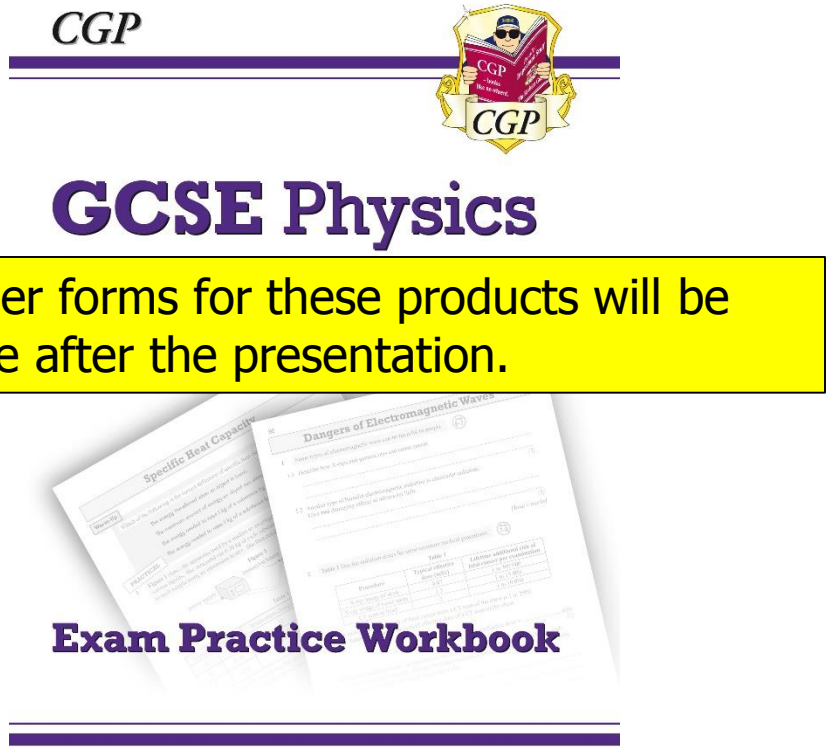
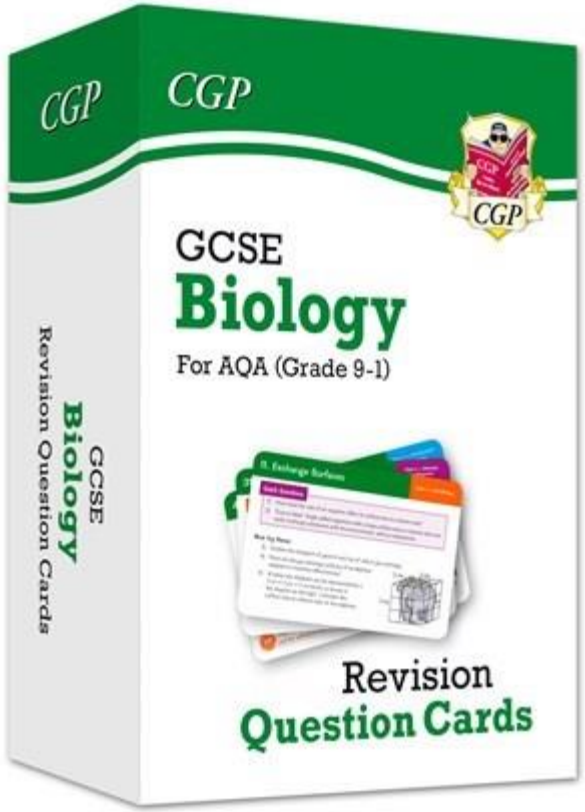




The order forms for these products will be available after the presentation.



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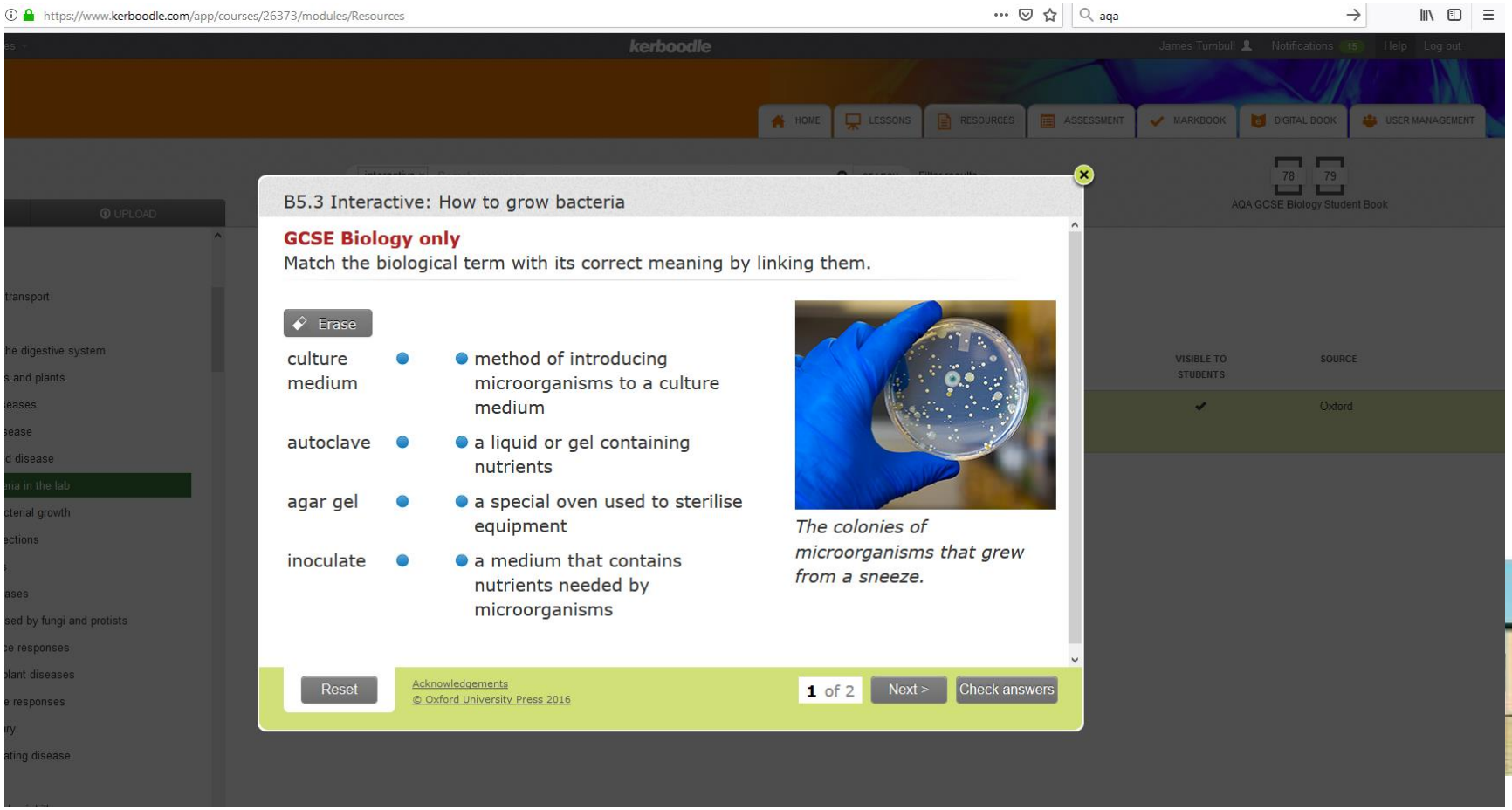
Science – Independent Revision

There are many YouTube channels which can help students revise key scientific concepts.

- **Freesciencelessons**
- **Science and Maths by Primrose Kitten**
- **FuseSchool - Global Education**
- **The GCSE Guide**
- **Science with Hazel**

Science – Independent Revision

- There are many online learning platforms which can help students revise key scientific concepts.
- The school has two online learning platforms for Science.

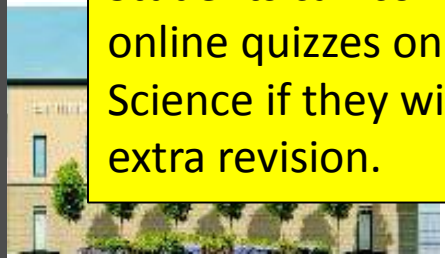


Kerboodle

www.kerboodle.com

Students can login with their school e-mail.
Students will be set one online learning quiz a week by their subject teachers in 2019.

Students can complete extra online quizzes on all aspects of Science if they wish to carry out extra revision.



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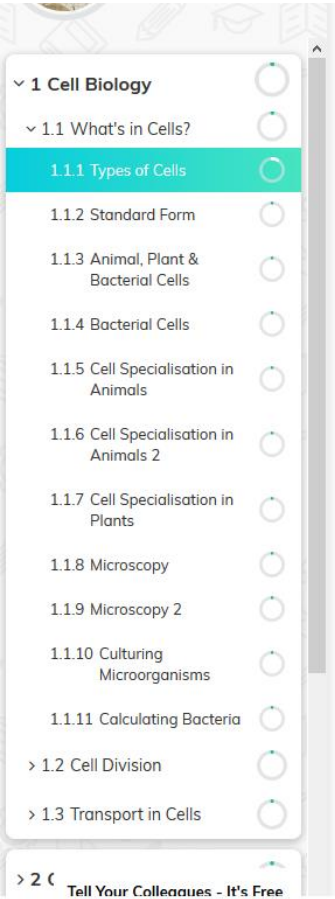

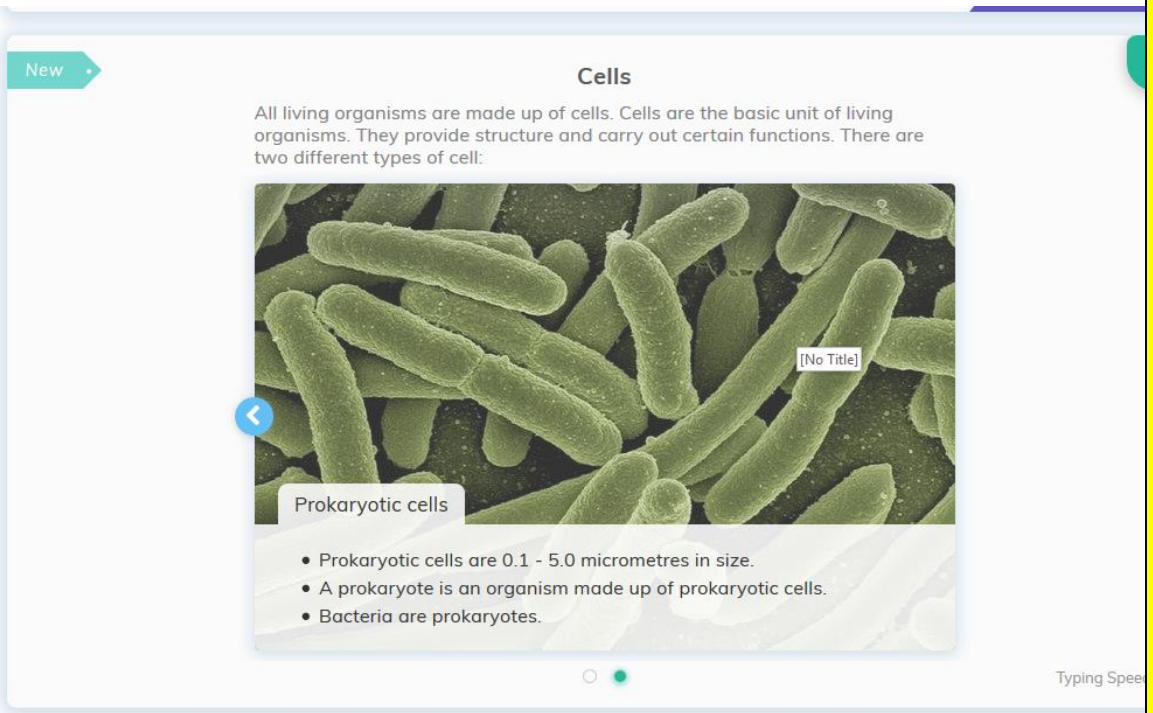

Seneca

www.senecalearning.com

Students can login with their school e-mail.
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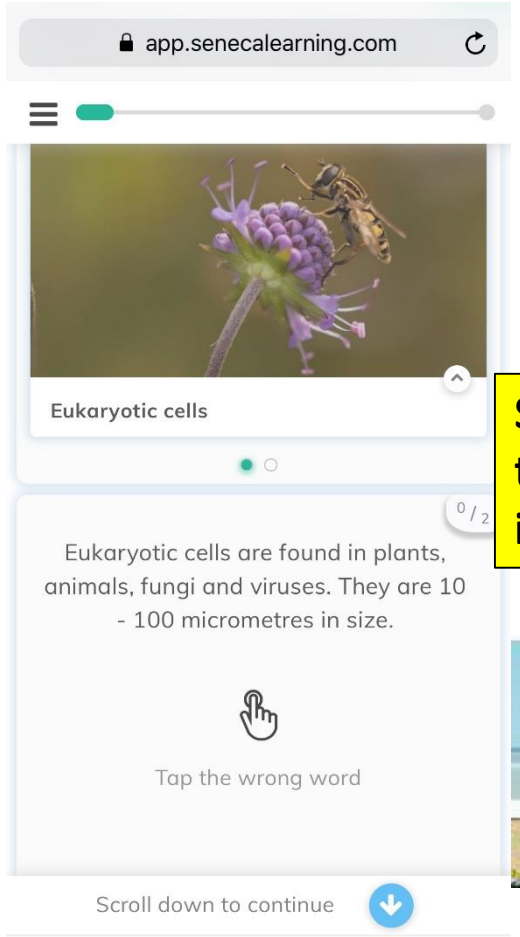


Seneca is also set up to work through mobile phones via the internet explorer.

Seneca

www.senecalearning.com

Students can login with their school e-mail.
Students will be set one online learning quiz a week by their subject teachers in 2019.

Students can complete extra online quizzes on all aspects of Science if they wish to carry out extra revision.

Science – Parental Support

- Ensuring your son/daughter has all revision materials above in one place at home.

- Regularly testing son/daughter's knowledge using the resources gathered in the revision lessons or via revision apps.

- Quizzing your son/daughter on the key information and equations found in the Science specification by testing knowledge from the CGP Revision Guide and the School Revision Guide(s).

- Timing your son/daughter when they are completing practice exam questions.

Science – Parental Support

- Ensuring your son/daughter plans out revision in a timely and reasonable manner in build up to exams.

- Ensuring your son/daughter completes the examination style questions from the practice question booklet(s). Your son/daughter should then self-assess their understanding by using the attached mark scheme to correct mistakes.

- Ensuring your son/daughter carries out independent learning skills tasks, such as online quizzes and revision games, on online learning platforms such as Seneca and Kerboodle.

Science – School Online Support

The following materials are available on the school online portal for revision use.

- **Past AQA examination papers** and mark schemes.
- **Individual Module Knowledge Checkers-** Test yourself quizzes on key scientific concepts.
- **Revision Placemats**.

Module Knowledge Checkers

Key Recall Question	Answer
1. What is a particle?	A general word used by scientists to mean small part of matter (something)
2. What is an atom?	The smallest particle that can be recognized as an element. If you break an element into its smaller pieces you can no longer recognize that it is an element.
3. What is an element?	A substance that is composed of only one type of atom.
4. What is a mixture?	Substances which are together (in the same space) but not chemically joined.
5. What is a compound?	Substances in which atoms of two or more elements are chemically combined.
6. What is a molecule?	A word to describe atoms which are chemically joined together. These might be two of the same type of atoms (an element molecule) or two or more different types of atom (a compound molecule)
7. What are the reactants of a chemical reaction?	The substances which react together in a chemical reaction

Module 1 - ATOMIC STRUCTURE

Draw the symbol for sodium include its atomic mass and atomic number (what do they tell us)

What are the charges and masses of electrons, protons and neutrons

	Charge	Mass
Proton		
Neutron		
Electron		

Balance the following equation:

$Ca + O_2 \longrightarrow CaO$

$Cl_2 + Al \longrightarrow AlCl_3$

How many atoms and elements are there in:

C_2H_5OH ?

Where are electrons and neutrons and protons found in an atom?

Draw the electronic configuration for argon

Revision Placemats

Why is argon not reactive?

What is an isotope?

How do you calculate the average atomic mass of an isotope. Eg. Chlorine atoms exist as 75% Cl-35 and 25% Cl - 37

Draw and label the plum-pudding model of the atom

What is the definition of an element?

What is the definition of a compound?

What is the definition of a mixture?

Describe a method to separate insoluble solids from a liquid eg. Sand from water.

Draw a diagram to show how you would separate the dyes in coloured inks

Draw a diagram to show how you would separate sugar from water

Describe how ideas about the structure of the atom changed over time and compare today's nuclear model to the plum pudding model.

Science – Past Examination Papers

The most effective way of revising for the Science examinations is to answer past examination papers.

These questions will be collated in school booklets to give to students near the time of the exam, or can be downloaded from www.aqa.org.uk.

These papers can be used in **two** different ways to revise.

Method 1

1. Revise a specific paper (or topic) in chemistry/biology/physics
2. Answer a past paper question with the aid of notes.
3. Mark the answer using mark scheme.
4. Evaluate your performance in this answer.

Method 2

1. Answer a past paper question without the aid of notes in examination timed conditions.
2. Mark the answer using mark scheme.
3. Evaluate your performance in this answer.
4. Make revision notes based on areas of weakness from your evaluation.

Science – Past Examination Papers

There are two types of examination question which can benefit from past examination paper revision.

In this question you will be assessed on using good English, organising information clearly and using specialist terms where appropriate.

Diffusion is an important process in animals and plants.

The movement of many substances into and out of cells occurs by diffusion.

Describe why diffusion is important to animals and plants.

In your answer you should refer to:

- animals
- plants
- examples of the diffusion of named substances.

[6 marks]

This method is really useful for 4-6 mark questions that come up frequently. Summarising the mark scheme can give you a standard answer that you can learn.

examples of points made in the response	extra information
Importance of diffusion: • to take in substances for use in cell processes • products from cell processes removed	
Examples of processes and substances: • for gas exchange / respiration: O_2 in / CO_2 out • for gas exchange / photosynthesis: CO_2 in / O_2 out • food molecules absorbed: glucose, amino acids, etc • water absorption in the large intestine • water lost from leaves / transpiration • water absorption by roots • mineral ions absorbed by roots	**Description of processes might include:** • movement of particles / molecules / ions • through a partially permeable membrane • (movement of substance) down a concentration gradient osmosis: turgor / support / stomatal movements
Total	**6**

In animals oxygen diffuses from the alveoli into the blood. Also glucose diffuses into the blood from the small intestine. Glucose and oxygen are important for respiration.
In plants carbon dioxide diffuses from the air into the leaves so it can be used in photosynthesis.

Science – Past Examination Papers

There are two types of examination question which can benefit from past examination paper revision.

Question

Why does heart rate increase

Heart rate and exercise

- Increased heart rate
- More blood
- Carries more oxygen and glucose
- More respiration
- Muscles contract more effectively

Poor answer

Heart rate increases during exercise so more blood gets to the muscles.

Good answer

Heart rate increases during exercise so more blood gets to the muscles. This carries more oxygen and glucose so respiration can happen allowing muscles to contract.

There are lots of processes you need to know about in Biology/Chemistry/Physics. Make a list of them and bullet point the steps in each process.

Science – Revision Summary

- To carry out effective Science GCSE revision, you should carry out the following…

Step 1: Learn the Key Facts
Use the revision guides, the class exercise books, the student preparatory notes and the text book to learn the key ideas of the course.
You may wish to make mind maps or write out notes yourself.

Step 2: Test Yourself
Use the Kerboodle e-learning platform, the Seneca e-learning platform or the module knowledge checker to quickly test your own knowledge.
You may wish to do this from your own cue-cards.

Step 3: Practice Examination Questions
Use the examination preparation books, the homework books, the examination practice workbooks and past examination papers (with mark schemes) to answer examination questions and mark your own work.
You may wish to download your own examination past papers to do this.

Thank You

- Staff are available in the atrium to answer questions:

- Mr Turnbull – Head of Physics/Science
- Dr Jankowski – Head of Chemistry
- Mr Reeve – Head of Biology

Raising Achievement In Maths

Mrs Crosbie, Head of Maths

Maths In School

- All students are entered for the OCR GCSE in Maths
- We use the J560 course
- There are two tiers: Foundation and Higher
- Students studying the Higher course can access grades 9 – 3 whilst students studying the Foundation course can access grades 5 – 1
- The students need to complete **three** papers at the end of the course, each paper is worth $\frac{1}{3}$ of their final grade
- For two of the papers, students can use a calculator, the other paper is completed without a calculator

Maths In School

- We have now finished teaching the course.
- Each class is now revising and the content of lessons is identified from analysing mock exams and covering the key issues arising from each session
- Homework is set weekly and alternates between written booklets and Hegarty Maths
- Written homework consists of worksheets that aim to consolidate the key skills by repetition

Mock Exams

- Key information for staff regarding achievement and progress (this information can then be used to inform discussions with students, parents and the pastoral team).
- The analysis of these exams by class teachers allow for identification of areas of priority for revision and of students who require additional support.
- Students can regularly self-reflect on their individual strengths and prioritise their own areas for revision.

Students should not revise for individual mock papers. All revision should be focussed on the final exam, with mock exams used as stepping stones to guide this revision process

Additional Support

- Maths Clinic is available for all students and advertised to them frequently in the department
    - It is held on Tuesdays at 3:10pm – 4:10pm in F12 and Thursday lunchtimes at 12:15pm – 12:45pm in F21
    - Students can attend this for support with homework, specific areas of revision or to work through practice papers, which are available to them here.

- Additional, weekly, after school GCSE study support sessions will start after the Christmas break

Additional Support

- Identified students who would benefit from further support will also be offered extra revision sessions during registration and the Pastoral Programme
    - Each registration session focusses on a different skill (students should complete work for extra practise at home)
    - Friday P1 – practising and applying skills with exam questions.

Behaviour of students in their day-to-day maths lessons will be considered when offering these sessions to students.

Parental Support

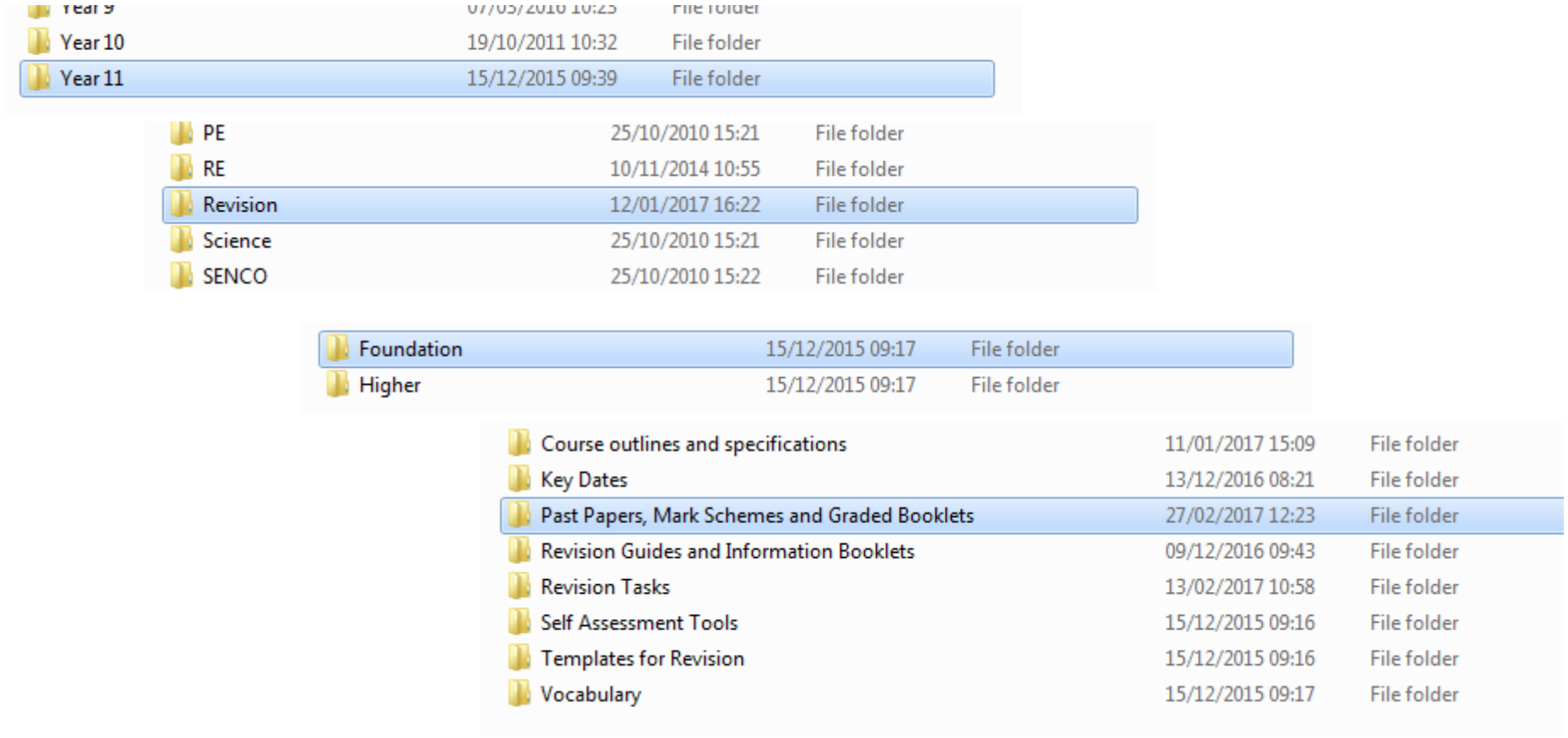
- It is important that students have a complete set of equipment including a pen, pencil, ruler, compass, protractor and a scientific calculator when attending lessons and completing exams.
- It is essential that they are able to practise using their own calculator in lessons and as such that they are familiar with the required functions.
- Students can buy any equipment that they require from the school library.

Parental Support

- Independent Revision
  - Homework – completed on time, with maximum effort
  - Additional revision – 15-30 minutes every day
    - ❖ Hegarty Maths
    - ❖ Revision apps
    - ❖ Revision websites
    - ❖ Follow Maths teachers on twitter
    - ❖ Printable revision materials available on student portal
    - ❖ Additional written support materials available tonight

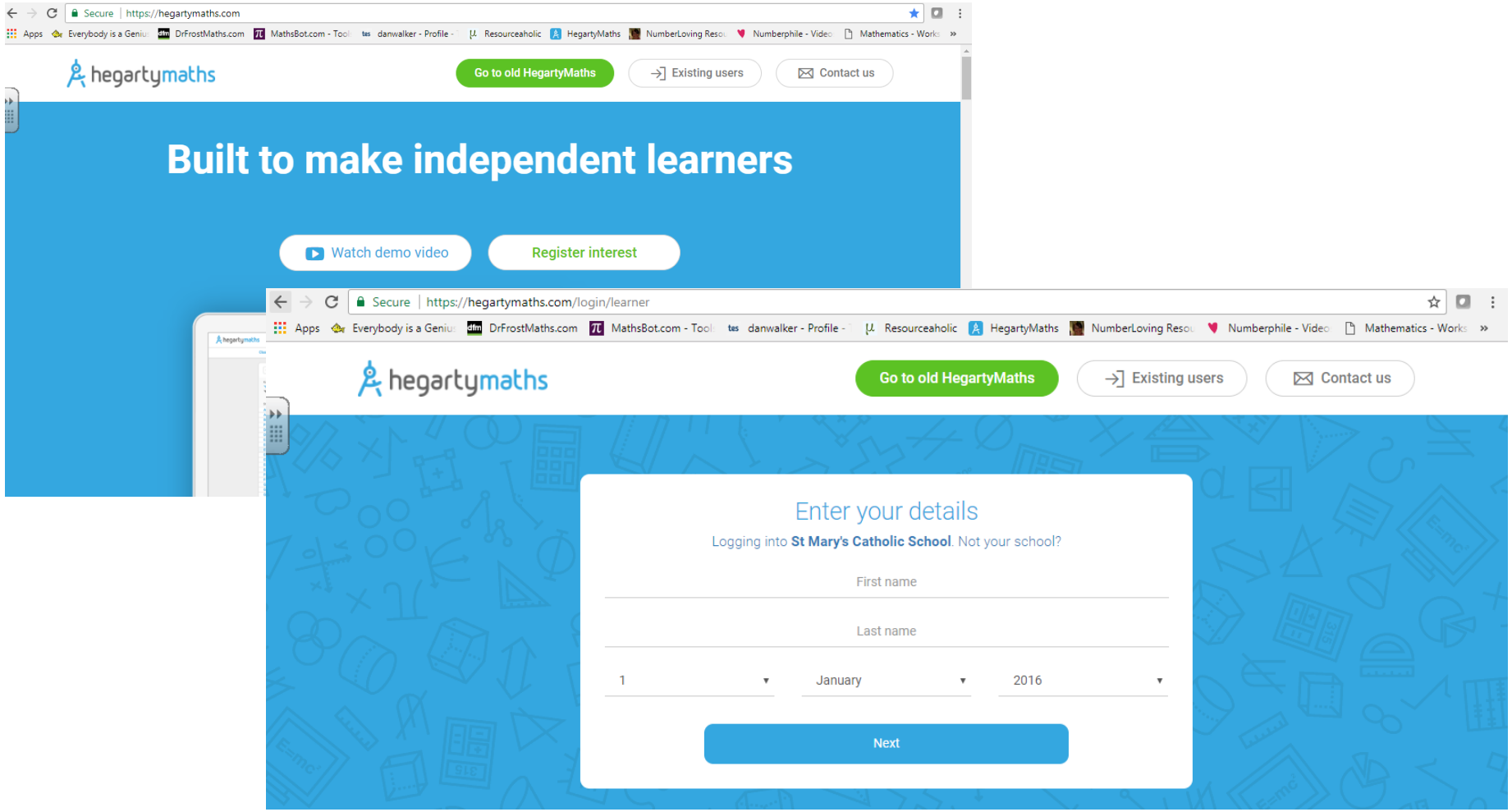
Access to revision materials at home

- All students have received instructions on how to access a wealth of resources using a portal to access the school system.
- The maths folder contains many past papers (with mark schemes), revision worksheets, and an extensive set of revision notes that pupils can use to aid their revision.



Hegarty Maths

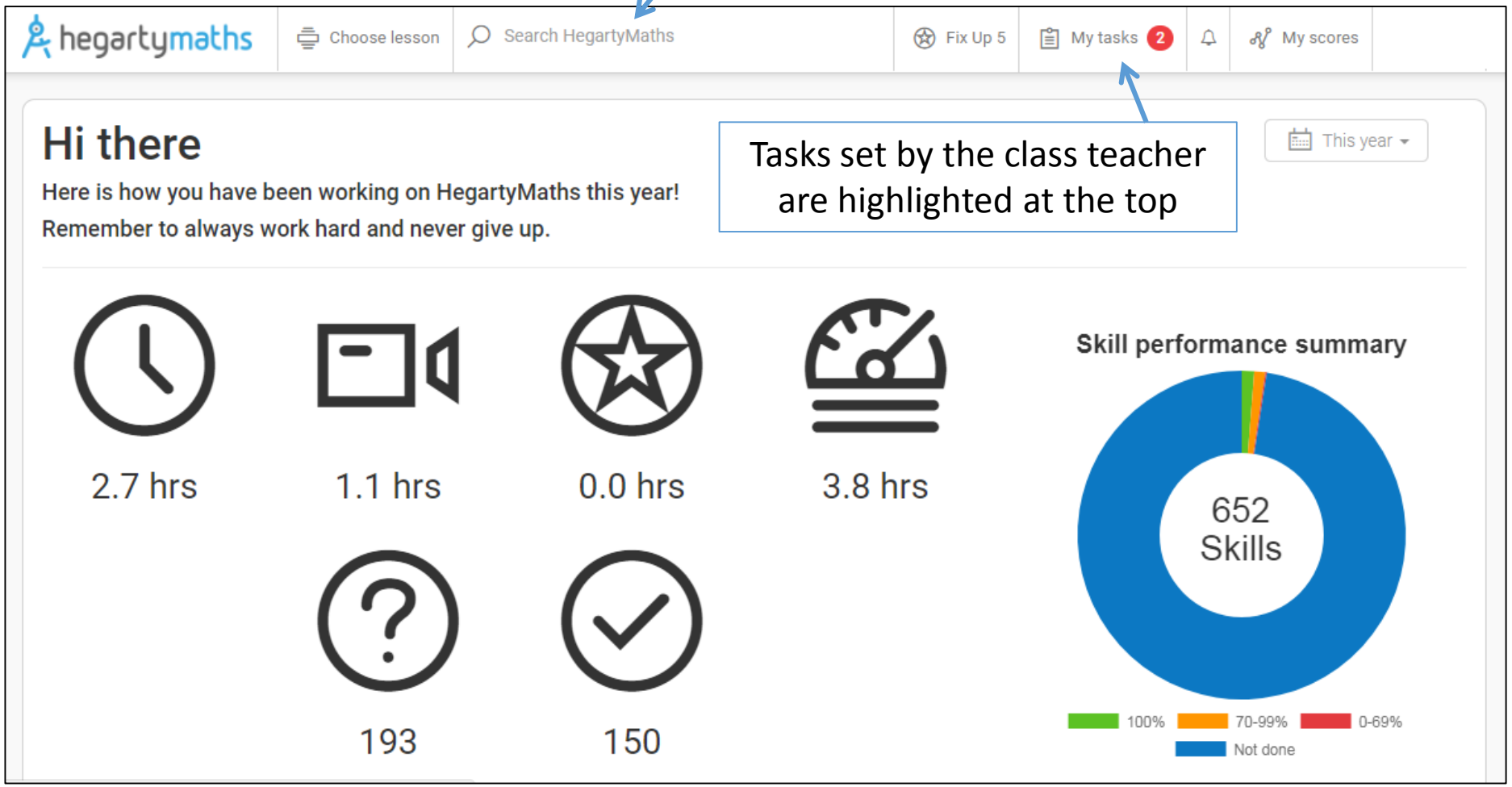
- Students login to https://hegartymaths.com/ using their individual user information and password



Hegarty Maths

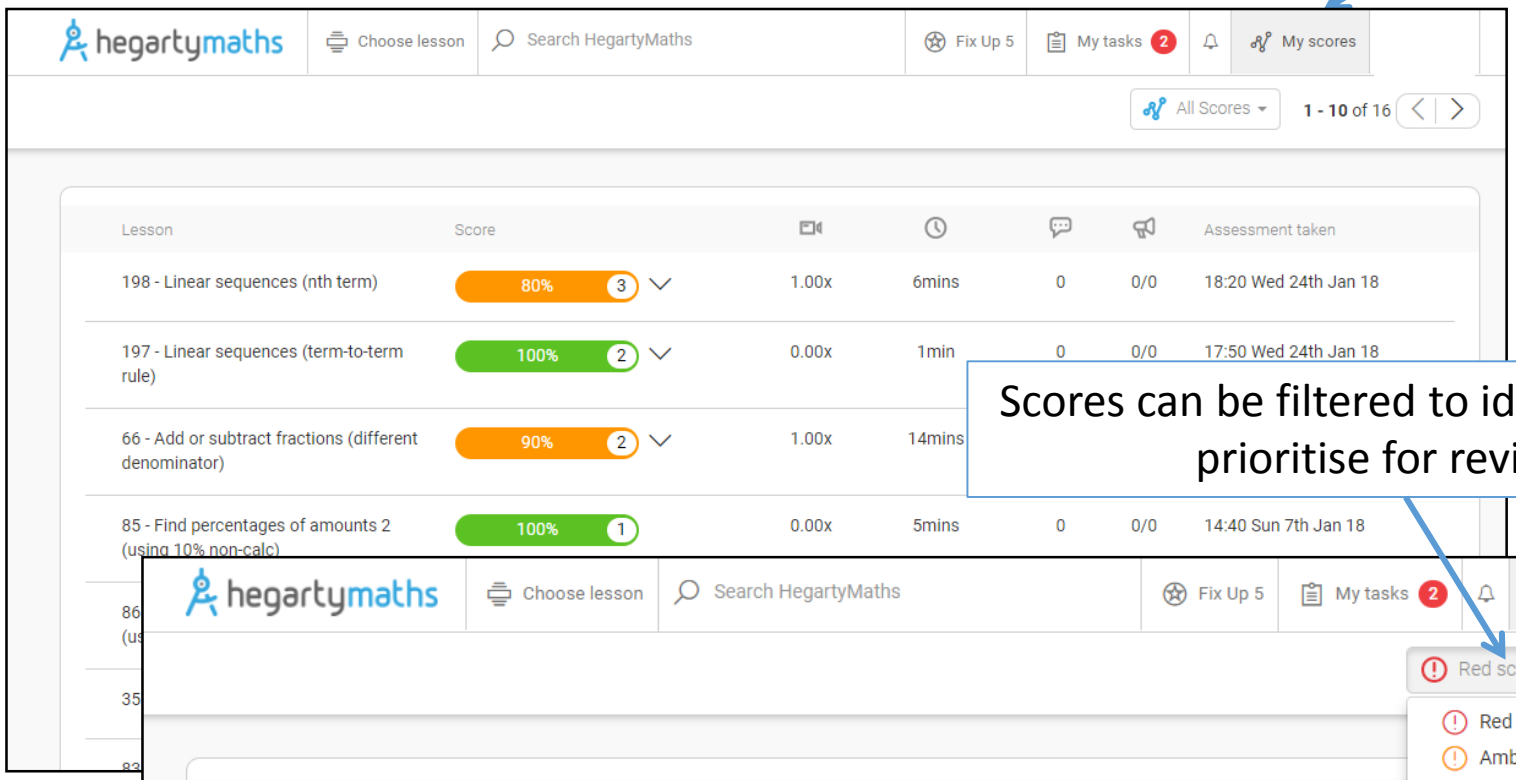
The search bar at the top can be used to find different topic areas on the site

When a student logs in, this is their front page:

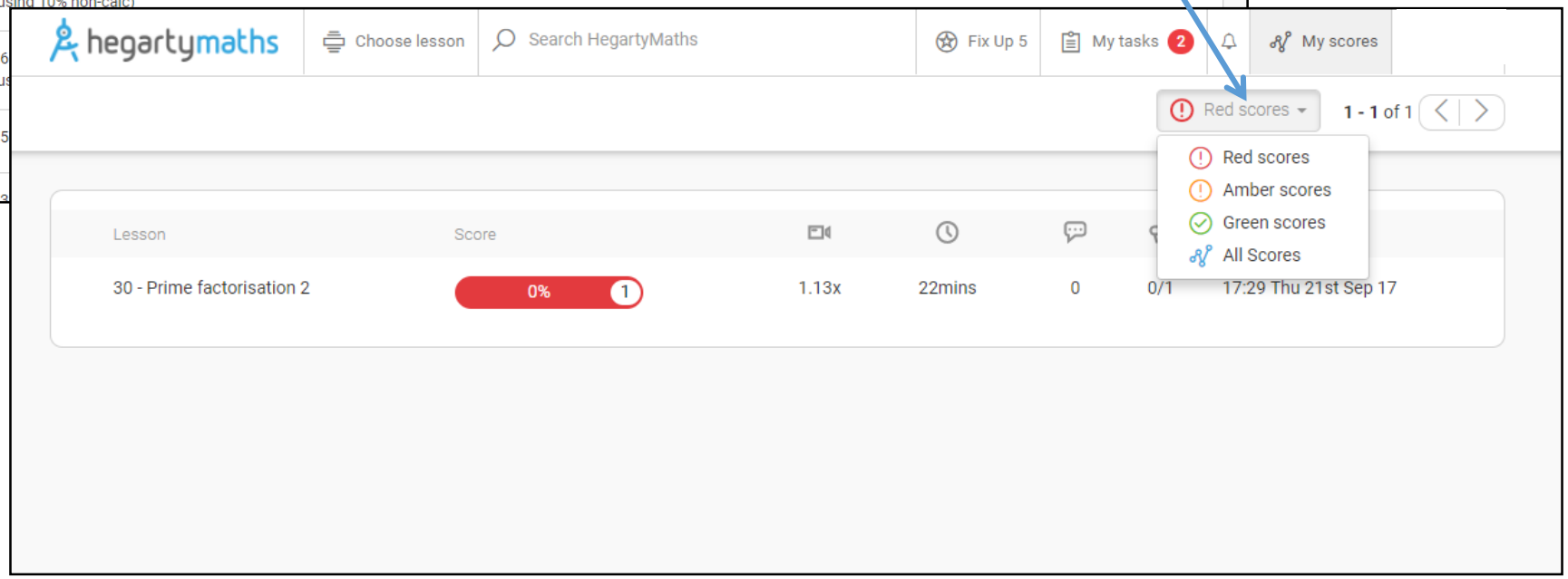


Hegarty Maths

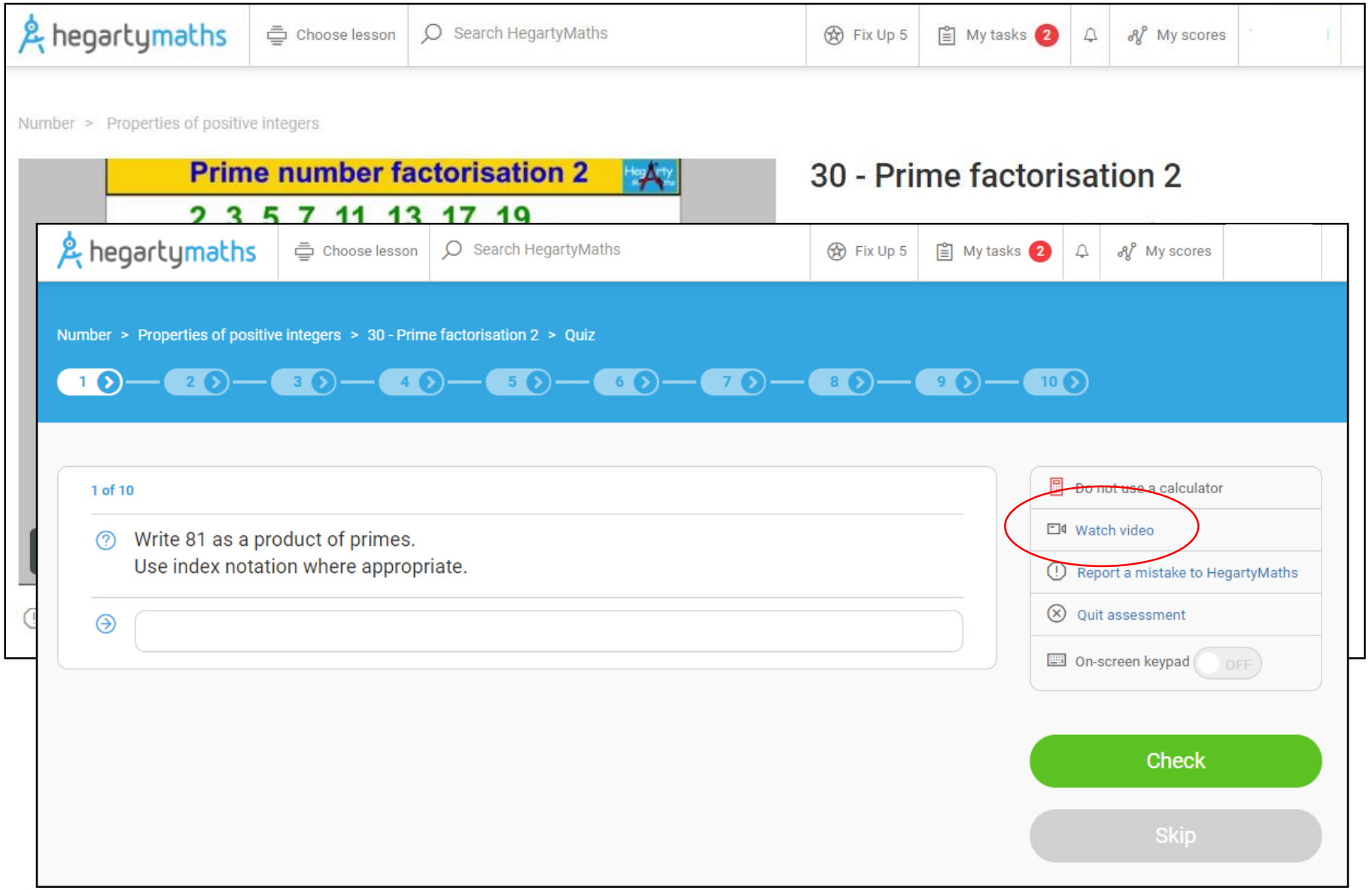
Clicking on my scores brings up a list of all previously attempted tasks



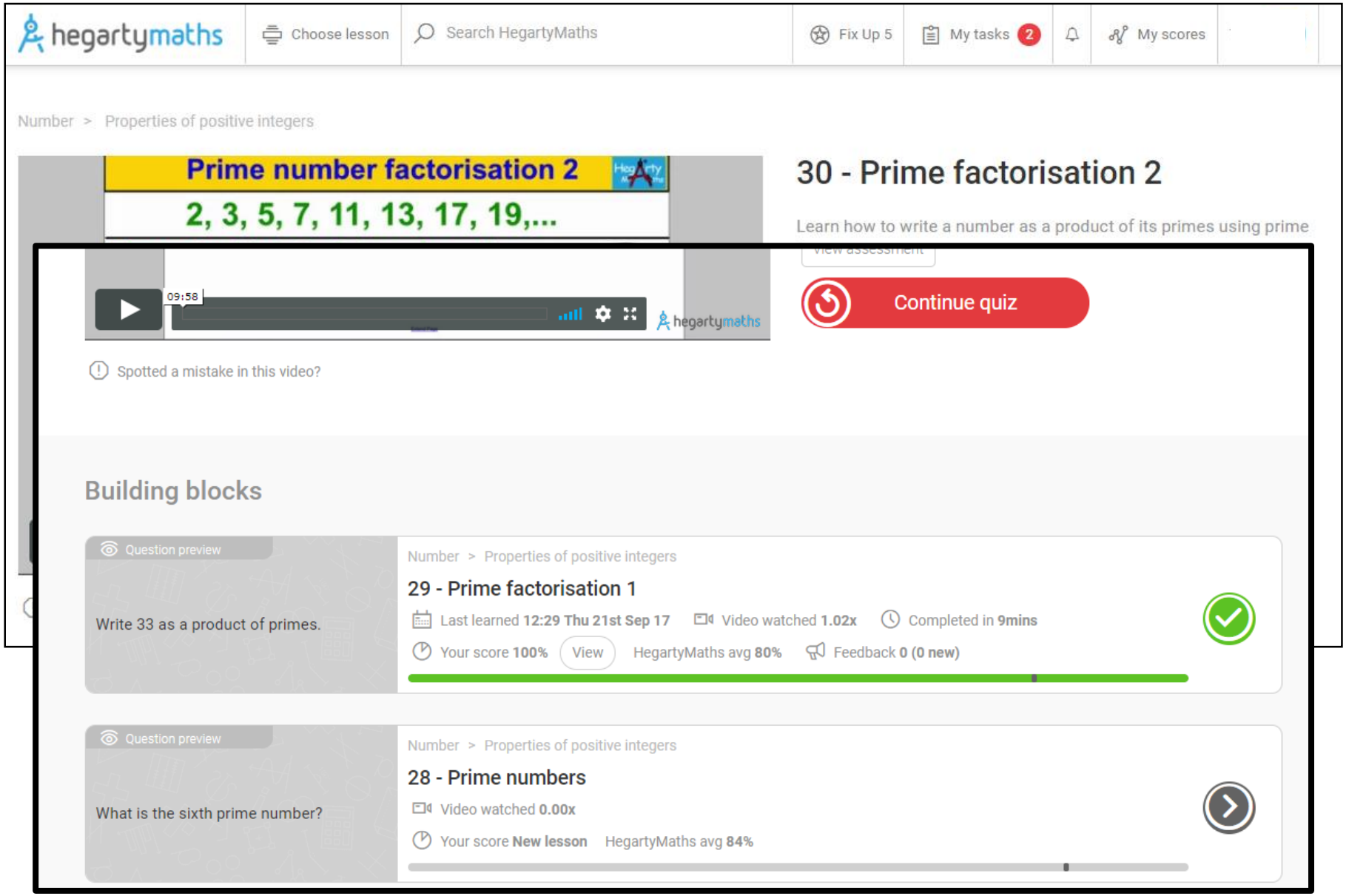
Scores can be filtered to identify areas to prioritise for revision



Hegarty Maths

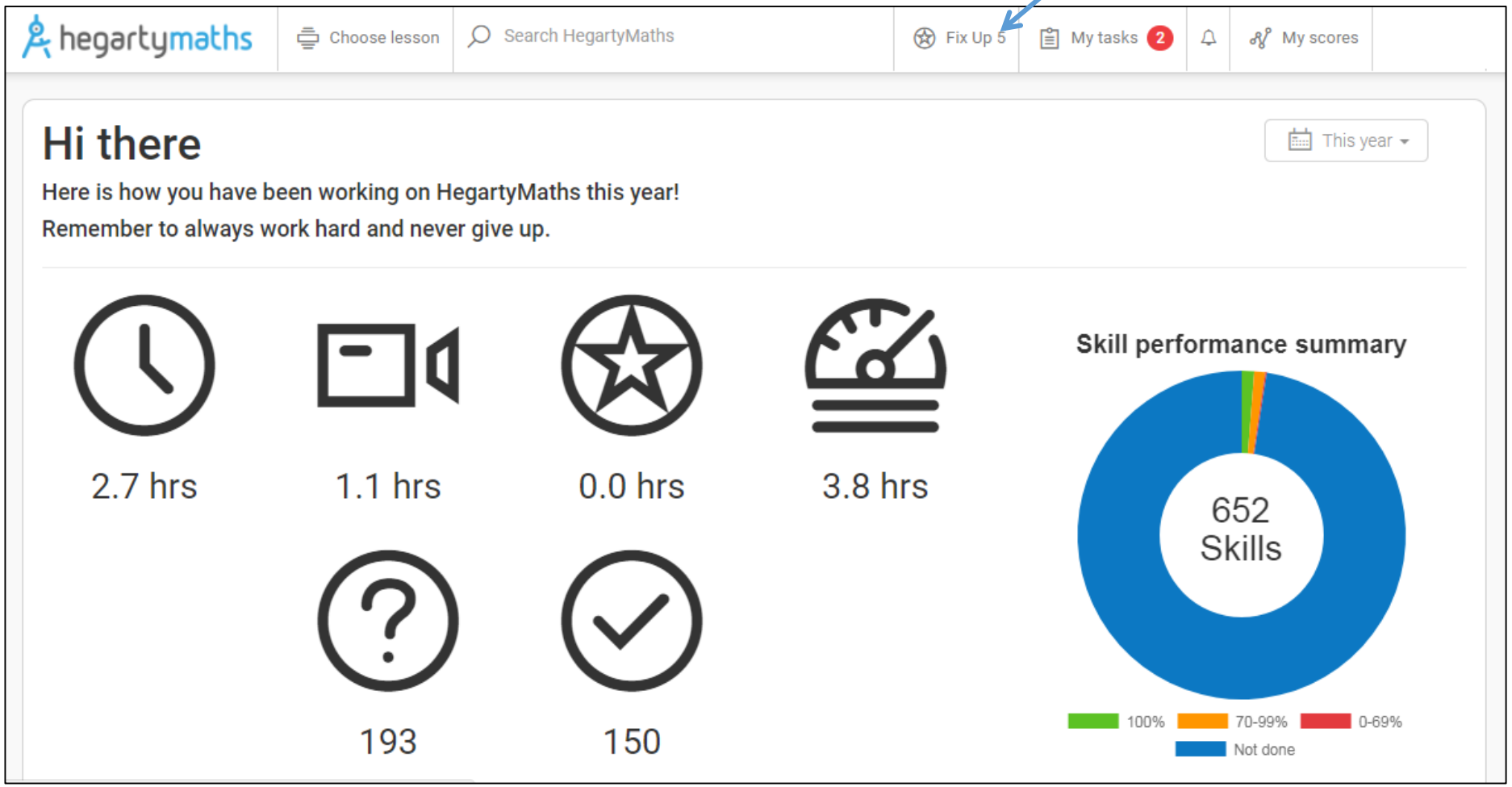


Hegarty Maths



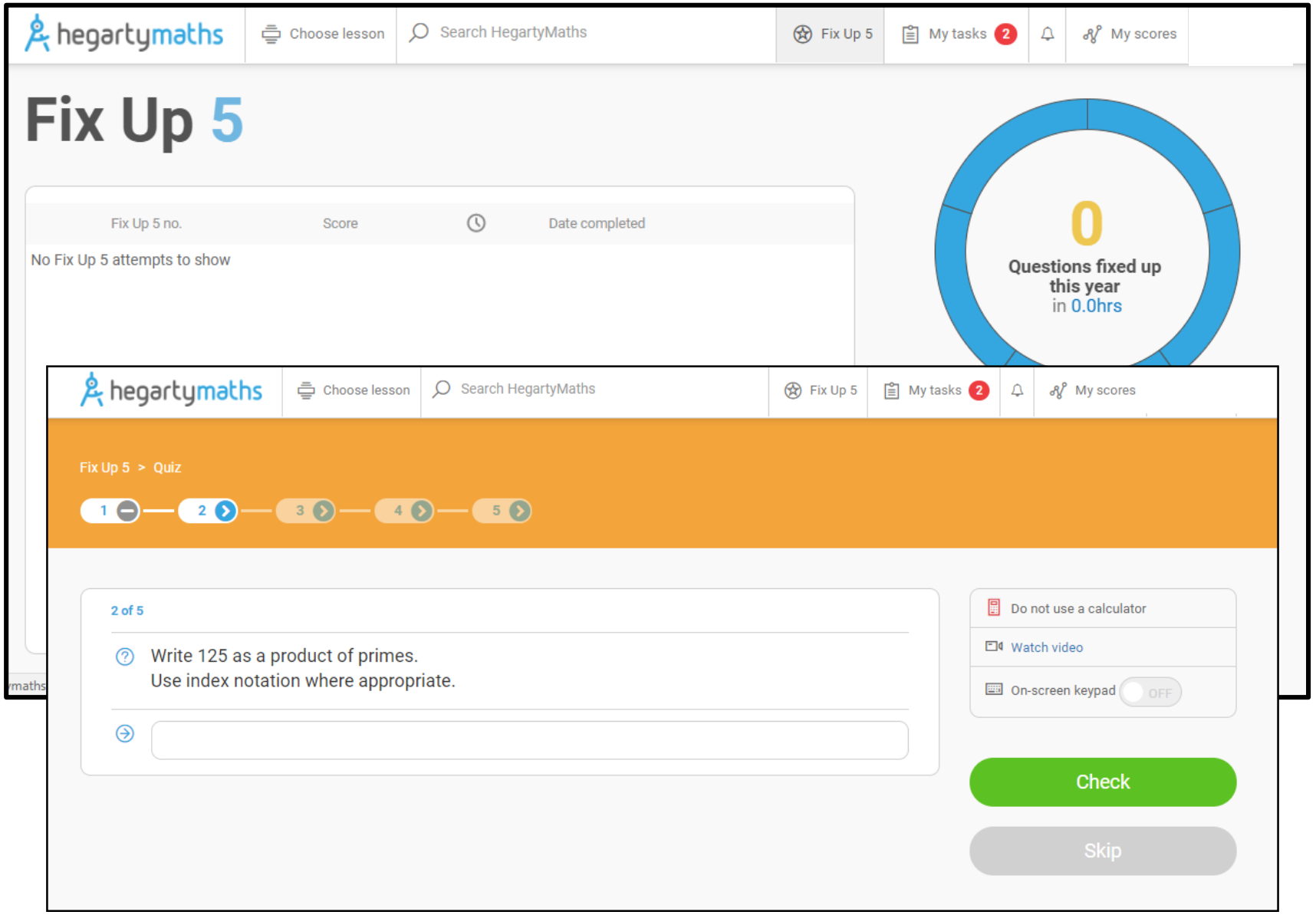
Hegarty Maths

Fix Up 5 is an excellent tool for a quick fire practise of key skills



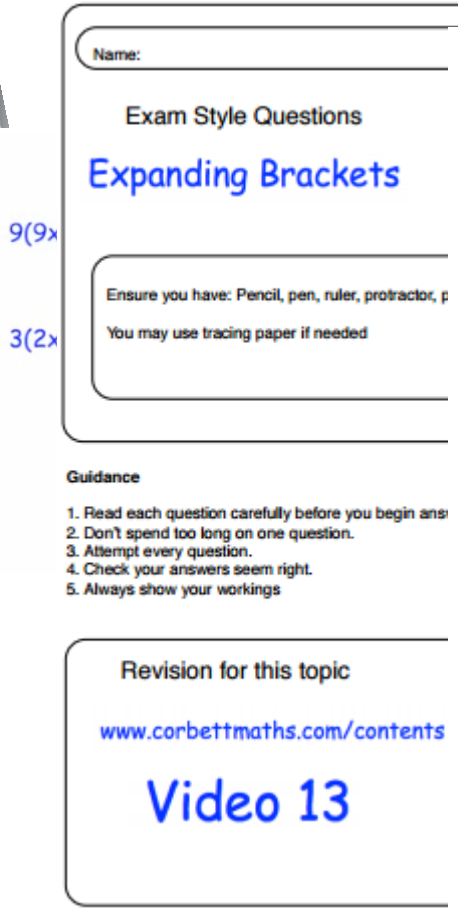
Hegarty Maths

Fix Up 5 chooses 5 questions students have previously got incorrect and has the appropriate video available without searching



Additional revision support

- www.corbettmaths.com
  - Videos, worksheets (including solutions), practise papers
  - 5-a-day


Name:

Exam Style Questions

Expanding Brackets

9(9x

3(2x

Ensure you have: Pencil, pen, ruler, protractor, p

You may use tracing paper if needed

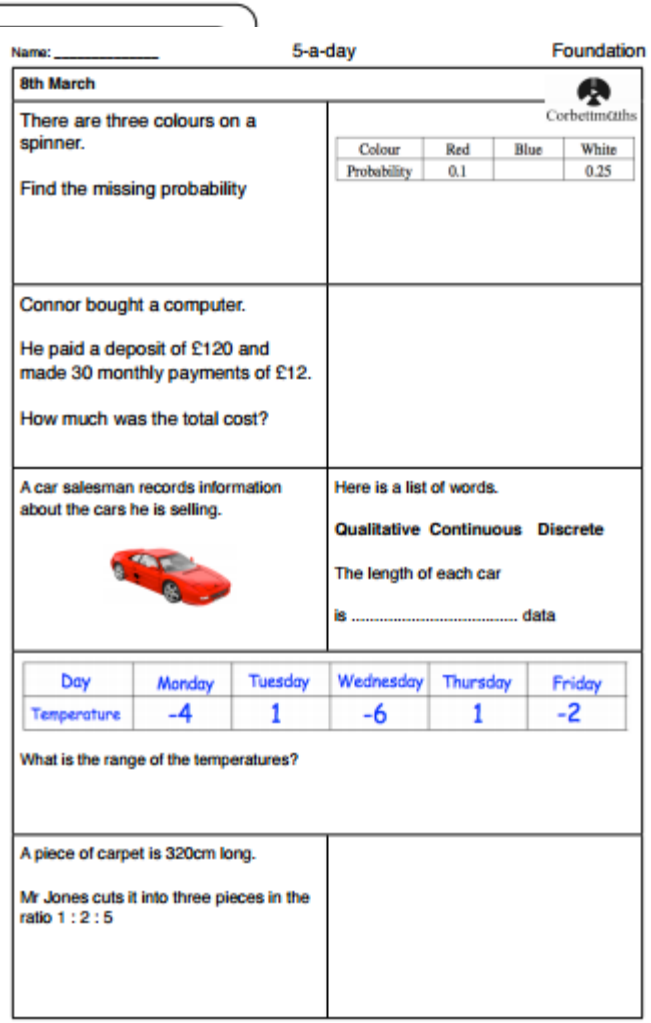
Guidance

1. Read each question carefully before you begin ans
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 13


Name: _____ 5-a-day Foundation

8th March

Corbettmaths

There are three colours on a spinner.

Find the missing probability

Colour	Red	Blue	White
Probability	0.1		0.25

Connor bought a computer.

He paid a deposit of £120 and made 30 monthly payments of £12.

How much was the total cost?

A car salesman records information about the cars he is selling.

Here is a list of words.

Qualitative Continuous Discrete

The length of each car

is ..... data

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Temperature	-4	1	-6	1	-2

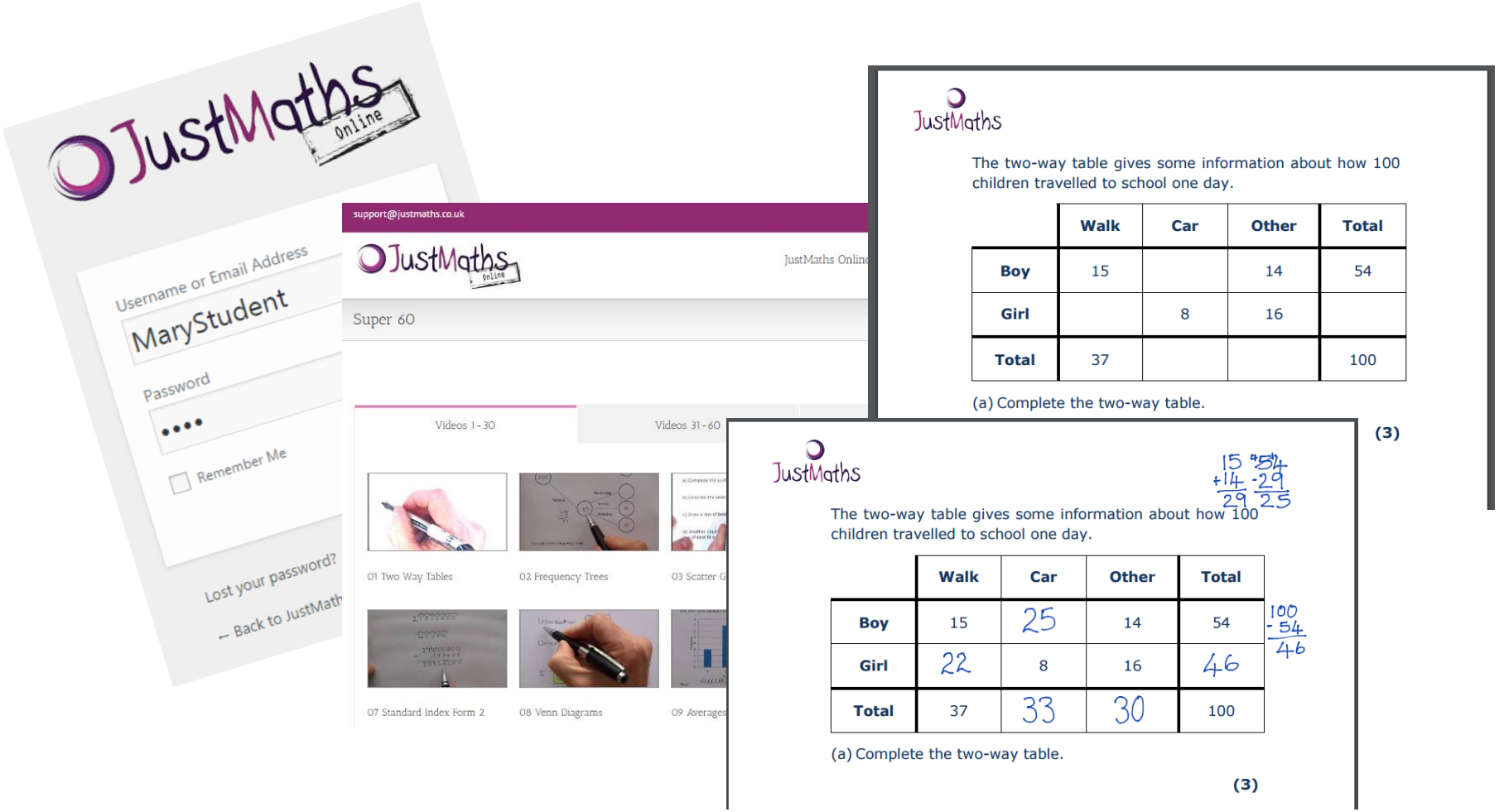
What is the range of the temperatures?

A piece of carpet is 320cm long.

Mr Jones cuts it into three pieces in the ratio 1 : 2 : 5

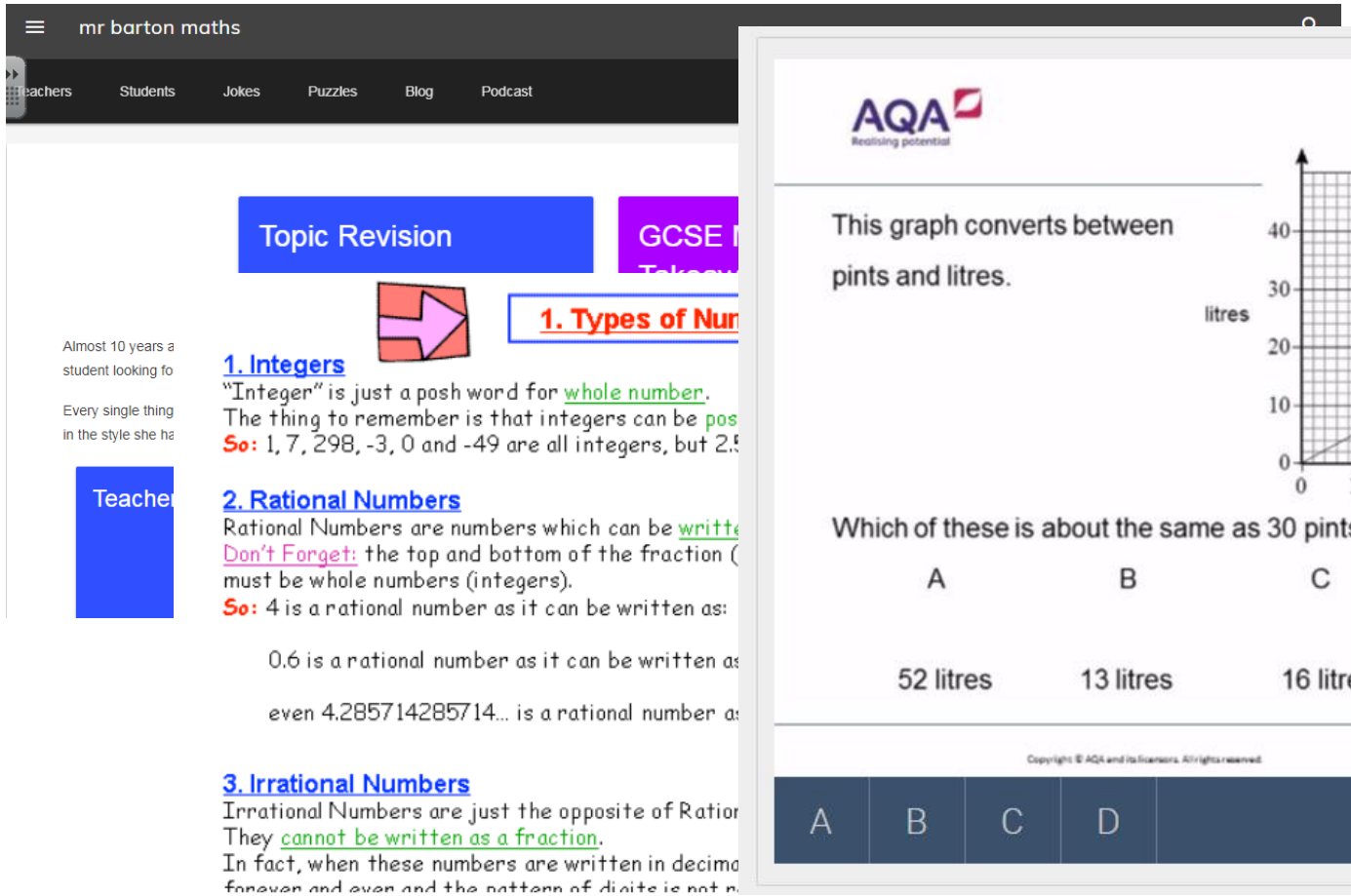
Additional revision support

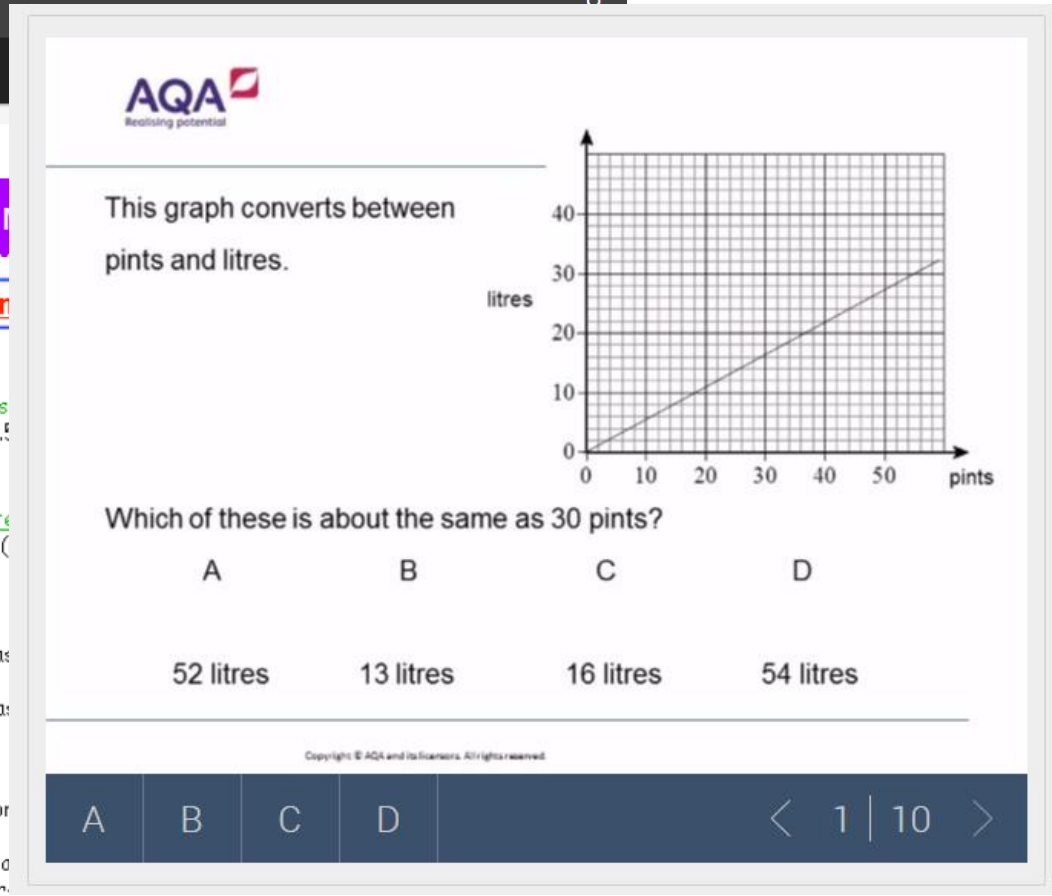
- online.justmaths.co.uk *Login: MaryStudent; Password: Mary*
  - More videos and worksheets, additional exam practise and techniques



Additional revision support

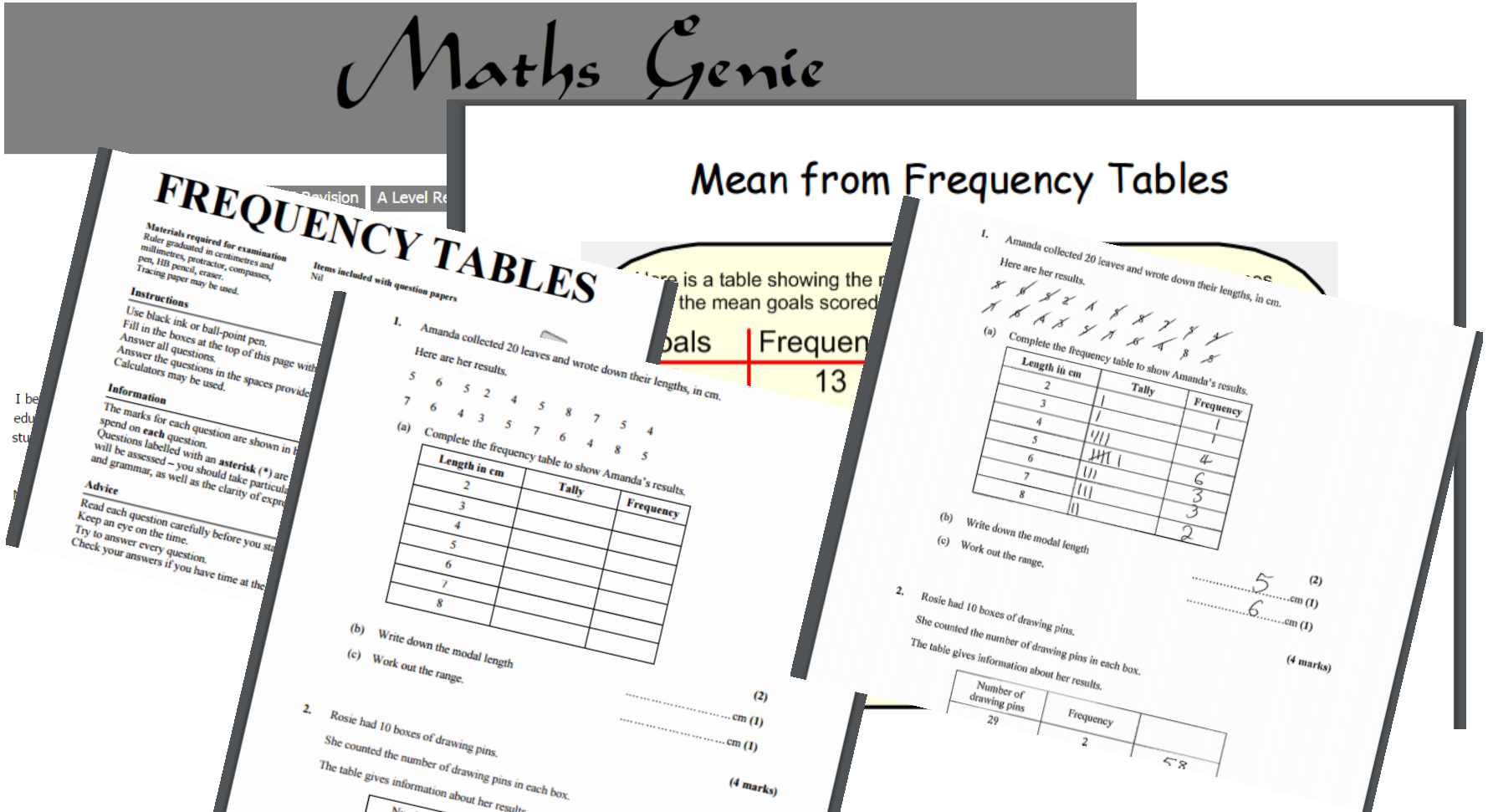
- http://www.mrbartonmaths.com/
  - Revision notes, videos, topic based question booklets, interactive quizzes





Additional revision support

- http://www.mathsgenie.co.uk/
  - Revision notes, videos, topic based question booklets, old style exam papers



Thank You

- Mrs Crosbie
- Mrs Edgar
- Mrs Howarth
- All available to answer questions