Enfield County School for Girls

Y10 Information Evening
Thurs 3rd October 2024

Learning Today, Leading Tomorrow

"Onward Ever"

Staff Presenting Tonight

Ms Foster – Deputy Headteacher

Mr Tatar – Head of Mathematics

Ms Hadjidaniel – Head of Science

Ms Coles– Head of English

Ms Smith – Assistant Headteacher

Introduction to Year 10

- Student feedback from current Y12s & 11s – *"If Year 11 and Post 16 information and ideas about learning had been introduced earlier to them, they would"*:

- Have worked that bit harder to get even better GCSE grades

- Have put more effort and thought into their P16 'journey'

- Have made better use of the summers between 10 & 11 and 11 & 12
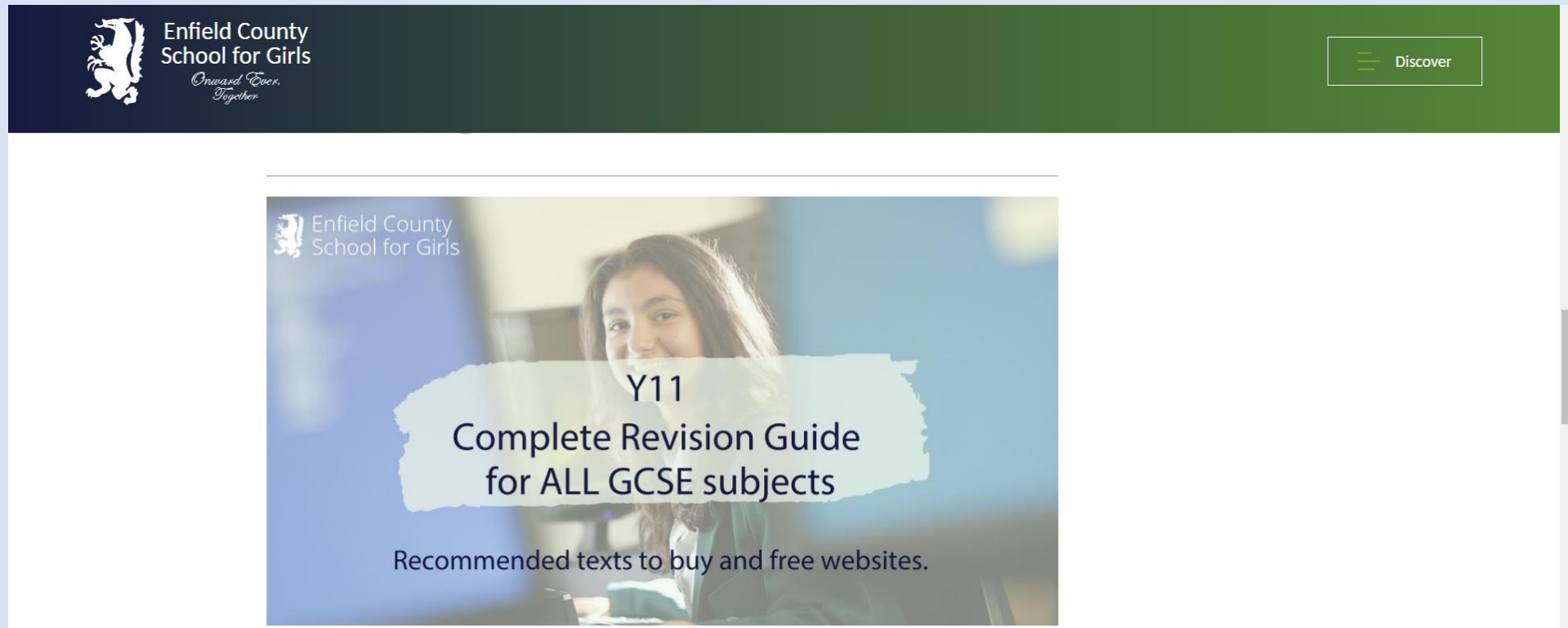
- **Have hit the ground running in Year 10**
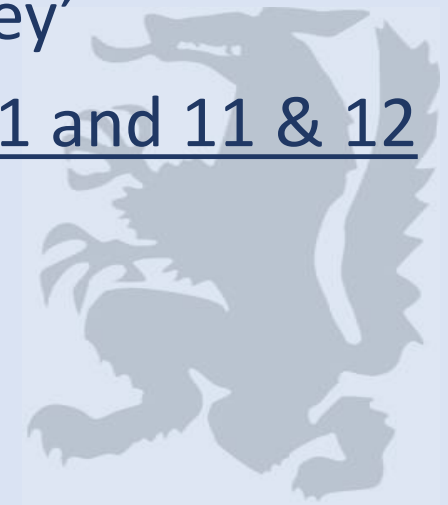
Introduction to Year 10

In the Curriculum Area of Website, there is a link for everything about Year 11 Exams

Introduction to Year 10

GCSE	Recommended Revision Books	Price	FREE HELPFUL WEBSITES
Art	200 Words to Help You Talk about Art by Ben Street Looking at Pictures by Susan Woodford Art the Whole Story by Steven Farthing (Thames and Hudson)	£7.99 £8.39 £17.55	• https://www.theartstory.org/artists/ • https://www.studentartguide.com/ • https://www.tate.org.uk/art/student-resource/exam-help • https://theartyteacher.com/artists-themes/
Classics	OCR Classical Civilisation GCSE Route 2: Women in the Ancient World	£20.59	• https://greekmythcomix.com/odyssey-comix/ - a comic book of prescribed sources in the Odyssey • https://www.youtube.com/channel/UCFJ62uB3RlixckC0I1847Rw A Youtube Channel where an expert Classicist covers a range of topics across her videos about women in the ancient world that are prescribed in the exam, and important themes in the Odyssey, also prescribed by the exam board. • https://warwick.ac.uk/fac/arts/classics/warwickclassicsnetwork/stoa/classciv/gcse/homer A mixture of videos, articles and podcasts about the Mycenaeans and the Homeric World in general.
Computer Science	New GCSE Computer Science OCR Revision Question Cards: fully updated for the new exams in 2022 & 2023 (CGP GCSE Computer Science 9-1 Revision) New GCSE Computer Science OCR Complete Revision & Practice: fully updated for the new exams in 2022 & 2023 (CGP GCSE Computer Science 9-1 Revision)	£8.72 £10.99	• https://www.bbc.co.uk/bitesize/examspecs/zmtchbk • https://techterms.com/ • https://smartrevise.online/ • https://www.youtube.com/c/craigndave/playlists • https://www.youtube.com/playlist?list=PL8dPuuaLjXtNlUrzyH5r6jN9uIlgZBpdo • https://isaaccomputerscience.org/topics/gcse#all

x9 pages of recommended subject texts & FREE links to websites

Introduction to Year 10

ECSfG GCSE Exam Boards & Specification Links

SUBJECT (click for link to subject webpage)	EXAM BOARD (click for website)	Subject Specification (click for pdf)
GCSE English Language	AQA	8700
GCSE English Literature	AQA	8702
GCSE Mathematics	Pearson	1MA1
GCSE Science (Double Award – Trilogy)	AQA	8464
GCSE Art	Pearson	1FA0
GCSE Classical Civilisation	OCR	J199
GCSE Computer Science	OCR	J277
GCSE Drama	Pearson	1DR0
GCSE 3D Design – DT	Eduqas	C600QS
GCSE Film Studies	Eduqas	C670QS
GCSE French	AQA	8658
GCSE Geography	AQA	8035
BTEC Health & Social Care	Pearson	L2 Tech Award
GCSE History	Pearson	1HI0

SUBJECT (click for link to subject webpage)	EXAM BOARD (click for website)	Subject Specification (click for pdf)
GCSE Music	Pearson	J536
GCSE PE	Pearson	1PE0
GCSE Psychology	AQA	8182
GCSE R.S.	OCR	J625
GCSE Sociology	AQA	8192
GCSE Spanish	AQA	8698
GCSE Textiles	Pearson	1TE0

GCSE Mathematics

Higher (grades 4-9)

Paper 1 Non-calculator	Paper 2 Calculator	Paper 3 Calculator
33.3% weighting	33.3% weighting	33.3% weighting
1 hour and 30 minutes — 80 marks	1 hour and 30 minutes — 80 marks	1 hour and 30 minutes — 80 marks

Foundation (grades 1-5)

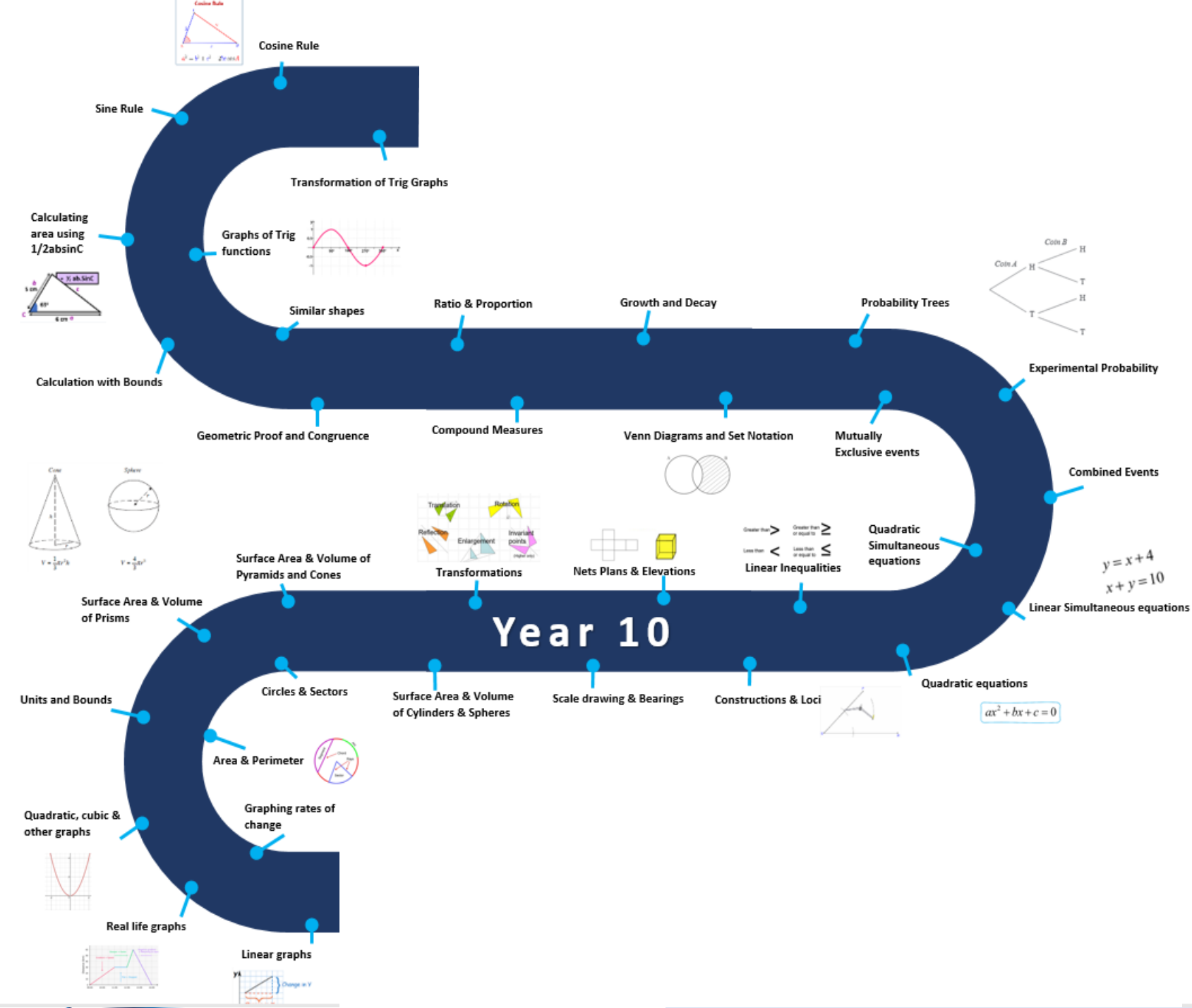| Paper 1 Non-calculator	Paper 2 Calculator	Paper 3 Calculator
33.3% weighting	33.3% weighting	33.3% weighting
1 hour and 30 minutes — 80 marks	1 hour and 30 minutes — 80 marks	1 hour and 30 minutes — 80 marks

- There are three separate exam papers at the end of year 11.
(1 non-calculator paper and 2 calculator papers).

- There are two tiers: (Higher and Foundation).

- No coursework, all exam based

Cosine Rule

Sine Rule

Transformation of Trig Graphs

Calculating area using 1/2absinC

Graphs of Trig functions

Similar shapes

Ratio & Proportion

Growth and Decay

Probability Trees

Calculation with Bounds

Experimental Probability

Geometric Proof and Congruence

Compound Measures

Venn Diagrams and Set Notation

Mutually Exclusive events

Combined Events

Surface Area & Volume of Pyramids and Cones

Transformations

Nets Plans & Elevations

Linear Inequalities

Quadratic Simultaneous equations

Surface Area & Volume of Prisms

Linear Simultaneous equations

Year 10

Circles & Sectors

Surface Area & Volume of Cylinders & Spheres

Scale drawing & Bearings

Constructions & Loci

Quadratic equations

Units and Bounds

$ax^2 + bx + c = 0$

Area & Perimeter

Quadratic, cubic & other graphs

Graphing rates of change

Real life graphs

Linear graphs

$y = x + 4$
$x + y = 10$

- **Half termly tests to track your daughter's progress**

- **Learning journey, results for half termly tests can be found in your daughter's maths book.**

How to succeed in Maths

1.   100% attendance to all lessons and booster sessions.

2.   Practice and review topics using "MathsWatch"

3.   Complete lots of practice papers.
     (including completing Mr Tatar's "Predicted Papers")

4.   Be proactive in finding a member of the maths department if help is ever needed.

The harsh reality of poor attendance!

Old Grades	New Grades	
A*	9	
	8	
A	7	
B	6	
	5	strong pass
C	4	standard pass
D	3	
E	2	
F	1	
G		
U	U	

Students that achieved a grade **7** and above had average attendance of **98.3%**

Students that achieved either **4, 5** or **6** on average had attendance of **95.4%**
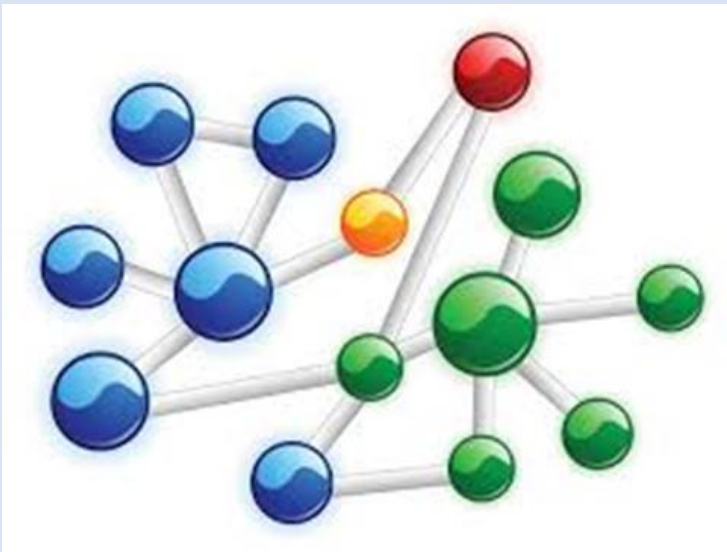
Students that **did not** achieve grade **4** had on average attendance of **90.5%**

Learning Today, Leading Tomorrow

"Onward Ever"

GCSE Science

- **9 lessons a fortnight**
- **AQA Combined Science Trilogy (8464)**
- **Progression to Post 16**

Contact us   About us   Log

AQA

Subjects | Qualifications | Professional develop

⌂ / Subjects / Science / GCSE / Combined Science: Trilogy (8464)

GCSE Combined Science: Trilogy

Teaching from: September 2016

Exams from: June 2018

Specification code: 8464

QAN code: 601/8758/X

Thinking about Careers

Ever thought of a career in:
Aerospace Engineering?

GATSBY

https://www.prospects.ac.uk/
So many careers!

- **Start with a salary of £22,000. Can earn up to £40,0000**
- **Degree course in Maths, Physics, Computer Science or Engineering.**
- **Good grasp of analysing data and scientific experimentation.**
- **Research, design and develop aircraft, satellites and space vehicles.**
- **Office and factory based work**

Gatsby Benchmark 4: Future Careers

CULTURAL CAPITAL
AN EXPLORATION

Onward Ever

What GCSE Science looks like

- **2 Biology papers**
- **2 Chemistry papers**
- **2 Physics papers**
- **1 hour 15 minutes exams**
- **28 Physics equations**
- **21 Required Practicals**
- **2 GCSE grades 9-1**

Equation number	Word equation	Symbol equation
1	(final velocity)^2 − (initial velocity)^2 = 2 × acceleration × distance	$v^2 - u^2 = 2\,a\,s$
2	elastic potential energy = 0.5 × spring constant × (extension)^2	$E_e = \frac{1}{2} k\, e^2$
3	change in thermal energy = mass × specific heat capacity × temperature change	$\Delta E = m\, c\, \Delta \theta$
4	period = $\frac{1}{\text{frequency}}$	
5 HT	force on a conductor (at right angles to a magnetic field) carrying a current = magnetic flux density × current × length	$F = B\, I\, l$
6	thermal energy for a change of state = mass × specific latent heat	$E = m\, L$
7 HT	potential difference across primary coil × current in primary coil = potential difference across secondary coil × current in secondary coil	$V_p\, I_p = V_s\, I_s$

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Ten-pin bowling is a game where a ball is rolled along the floor to knock over some wooden pins.

The figure below shows a person ten-pin bowling.
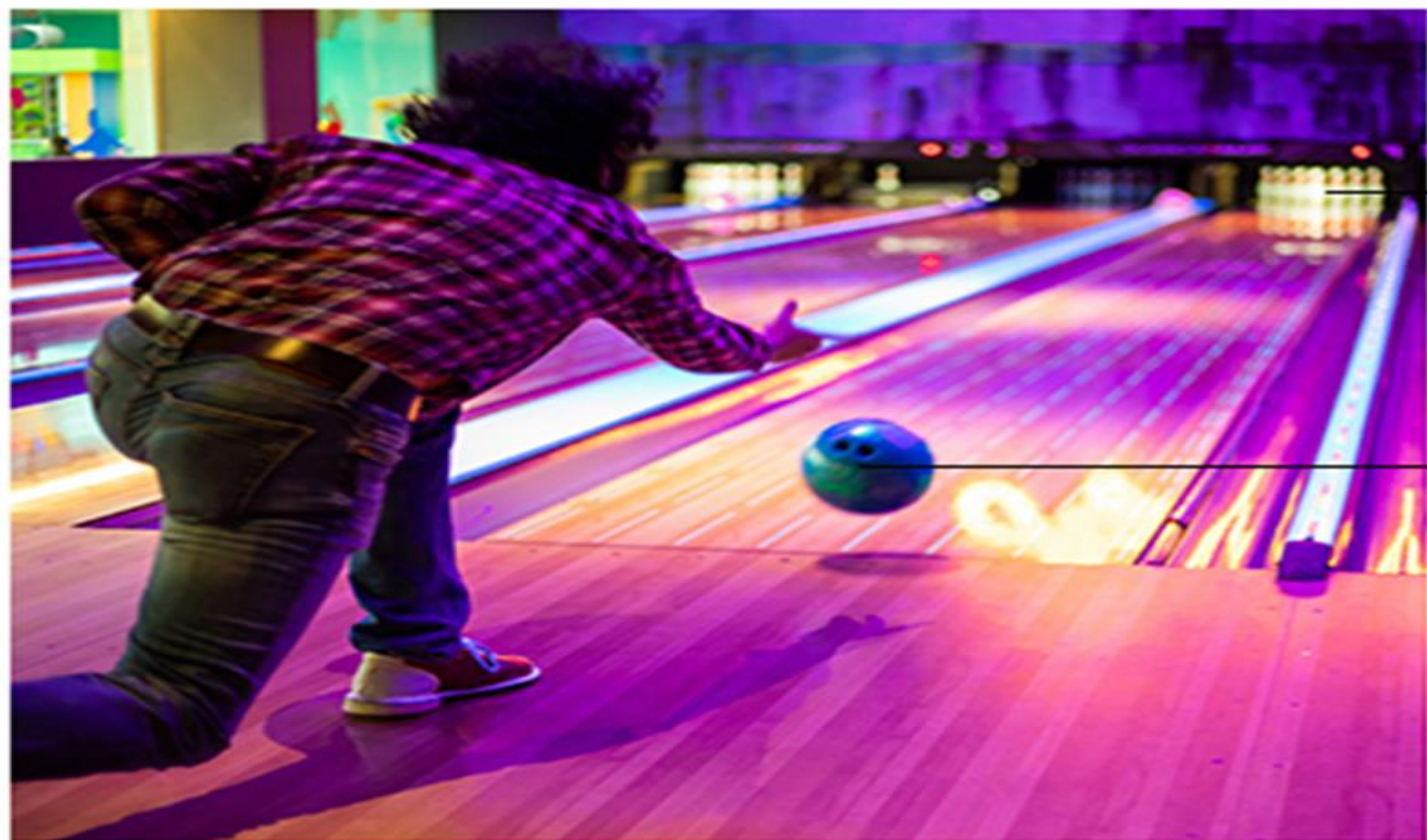
— Pins

— Ball

(a)   The person applied a mean force of 198 N to the ball for a time of 0.25 s.

The mass of the ball was 5.5 kg.

Calculate the velocity of the ball just after leaving the person's hand.
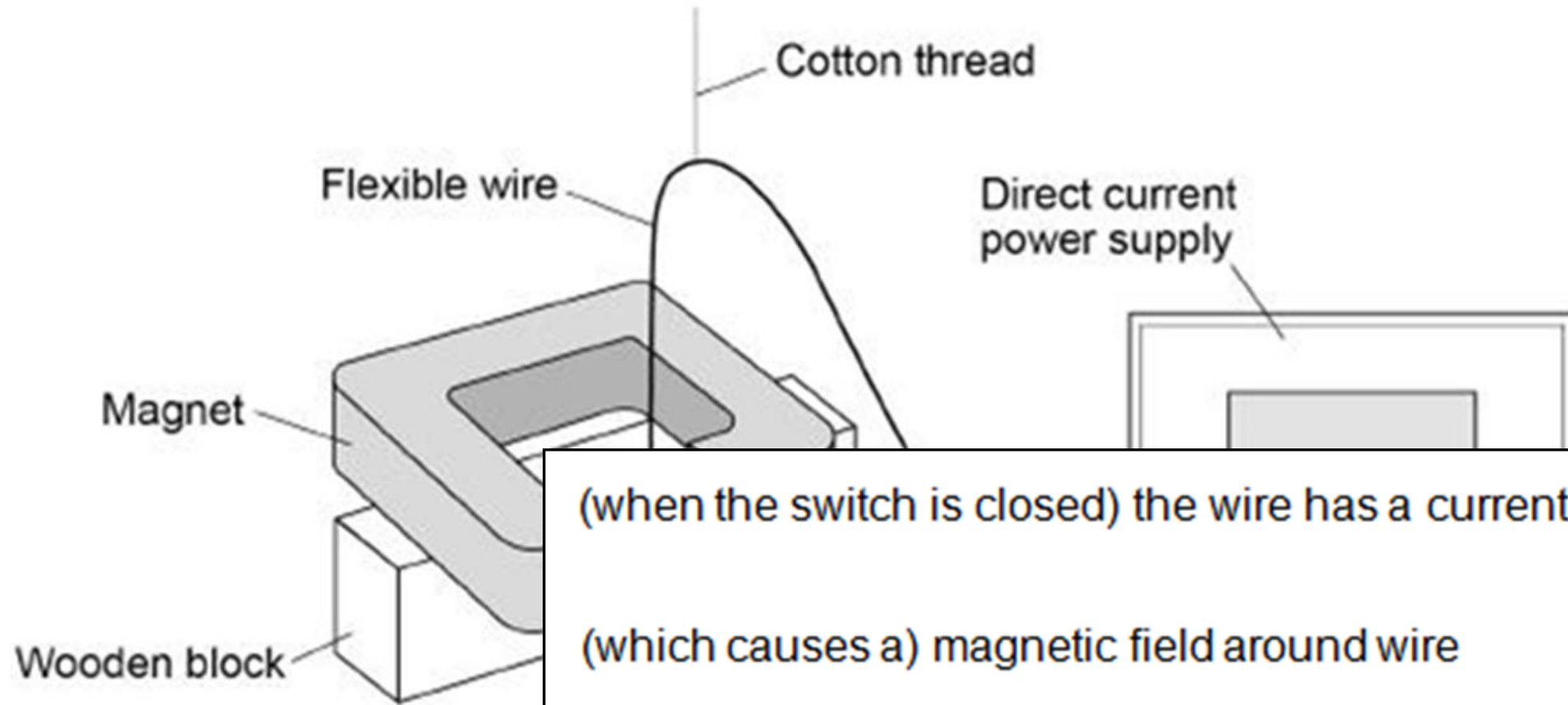
$$198 = 5.5 \times a$$

$$36 = \frac{\Delta v}{0.25}$$

$$a = 36 \ (m/s^2)$$

$$36 = \frac{\Delta v}{0.25}$$

$$v = 9.0 \ (m/s)$$

The diagram below shows the equipment a student used to investigate the motor effect.

Cotton thread

Flexible wire

Direct current power supply

Magnet

Wooden block

(a)   Explain why the wire move

(when the switch is closed) the wire has a current in it

(which causes a) magnetic field around wire

(which) interacts with the magnetic field of the permanent magnet

causing a force on the wire

The Science Plan for Year 10:

- **Announcements on Teams**
- **Regular tracking tests**
- **Tracking Test on Wednesday 9th October**
- **Same test for all**
- **No final decisions about higher or foundation until year 11**
- **Core Assignments on Teams**
- **Summer Geography-Science Cross Curricular Project**
- **Holiday Reading Projects**

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Main Teacher	Other teacher(s)
Revise	
B4.3 Infection and Response	P6.3 Particle Model of Matter
Revise/Catch up	
Tracking Test #1	
C5.4 Chemical Changes	C5.7 Organic Chemistry
October Half Term	
Continue with C5.4 Chemical Changes	Continue with C5.7 Organic Chemistry
P6.2 Electricity	Revision/Catch up

Teams AND Kerboodle!

Year 10 Science Tracking Test #1

On Wednesday 9th October

These tracking tests in Science work the same way as they did in year 9. Student scores on tracking tests, which will be conducted at key points throughout the academic year, will be used to determine Science sets in year 11.

Your first tracking test, on **Wednesday 9th October 2024** will cover the following GCSE topic areas:

- B4.1 Cell Biology (taught in year 9)
- C5.2 Bonding Structure and the Properties of Matter (taught in year 9)
- B4.3 Infection and Response (taught in the Autumn Term of year 10)
- P6.3 Particle Model of Matter (taught in the Autumn Term of year 10)

The test will last 1 hour.
It will include foundation, standard demand and higher demand questions. Students are encouraged to attempt all the questions on the paper.
The test will be during your Science lessons (your Science teacher will confirm which lesson, if you have more that one science lesson that day).
All content assessed in the tracking test will have been taught in the lessons leading up to 9th October, for all Science classes.
You will be given a Periodic Table and some physics equations with your tracking test paper.
Bring your own calculator.

To help you with revision, you are advised to use:

- www.my-gcsescience.com
- www.kerboodle.com ensuring your refer to the the three text books for Combined Sciences: Trilogy
- www.freesciencelessons.co.uk
- check that you have covered everything that may come up in the tracking test, by consulting the AQA GCSE Combined Science specification at https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF
- Keep informed by checking your Science Team on Microsoft Team regularly. We will be posting activities to help you with key scientific vocabulary with links to useful recordings

English at GCSE

- At the end of the GCSE course, your daughter will receive two grades from 9-1 in English, one for English Literature and one for English Language.

- Our exam board is AQA.

- Your daughter has 4 hours of English a week in a mixed ability class of between 21 and 24 pupils.

English Language

- Consists of 2 exams at the end of Year 11.
- Paper 1 is on fiction texts and will test your daughter's ability to read and respond to an extract as well as to write a piece of creative writing.
- Paper 2 is on non-fiction texts and will test your daughter's ability to respond to 2 non-fiction extracts (one modern and one 19th century), as well as to produce a piece of non-fiction writing e.g. letter, speech, article.
- Your daughter will also complete a spoken language endorsement . This will not count towards her GCSE 9-1 grade. Instead she will gain a simple Pass, Merit or Distinction alongside her actual grades.

Paper 1 - Fiction

Paper 2 – Non-Fiction

Once Upon a Time

An example question:

Paper 1

English Literature

Consists of 2 exams at the end of Year 11. In both Literature exams, your daughter will be writing analytical essays in response to a range of texts studied across the two years.

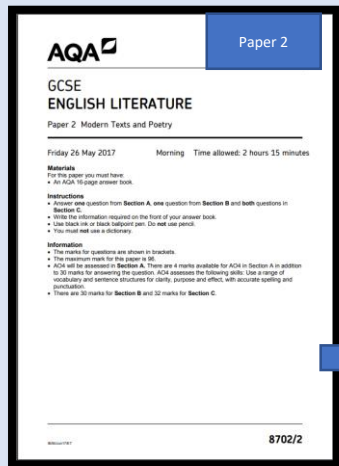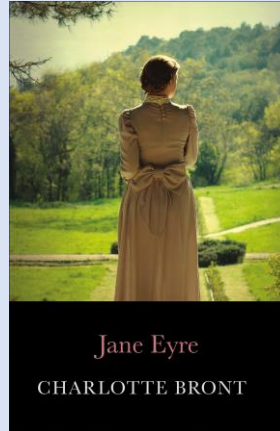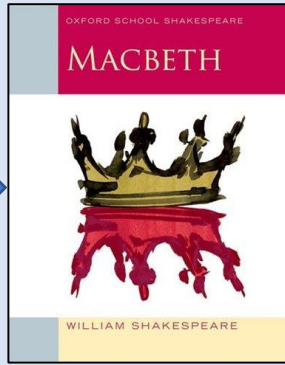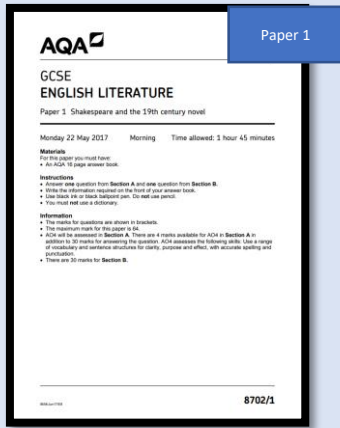Those texts are:

Paper 1:

- 'Jane Eyre' by Charlotte Bronte. This is being studied at the moment.

- 'Macbeth', by William Shakespeare (to be studied in Year 11)

Paper 2:

- 'Power and Conflict' Poetry- an anthology of 15 poems based around the theme of power and conflict.

- 'Leave Taking' a play by Winsome Pinnock.

- Analysis of an unseen poem.

Paper 2

Power and Conflict

Unseen Poetry

Macbeth

Read the following extract from Act 1 Scene 5 of *Macbeth* and then answer the question that follows.

At this point in the play, Lady Macbeth is speaking. She has just read Macbeth's letter telling her about his meeting with the three witches.

> **LADY MACBETH**
> Glamis thou art, and Cawdor, and shalt be
> What thou art promised; yet do I fear thy nature,
> It is too full o'th'milk of human kindness
> To catch the nearest way. Thou wouldst be great,
> 5 Art not without ambition, but without
> The illness should attend it. What thou wouldst highly,
> That wouldst thou holily; wouldst not play false,
> And yet wouldst wrongly win. Thou'dst have, great Glamis,
> That which cries, 'Thus thou must do' if thou have it;
> 10 And that which rather thou dost fear to do,
> Than wishest should be undone. Hie thee hither,
> That I may pour my spirits in thine ear
> And chastise with the valour of my tongue
> All that impedes thee from the golden round,
> 15 Which fate and metaphysical aid doth seem
> To have thee crowned withal.

0 1 Starting with this speech, explore how Shakespeare presents ambition in *Macbeth*.

Write about:

- how Shakespeare presents ambition in this speech
- how Shakespeare presents ambition in the play as a whole.

[30 marks]
AO4 [4 marks]

An example question:

The Literature components of the exam are closed book so students are required to learn key quotations they can bring into their responses.
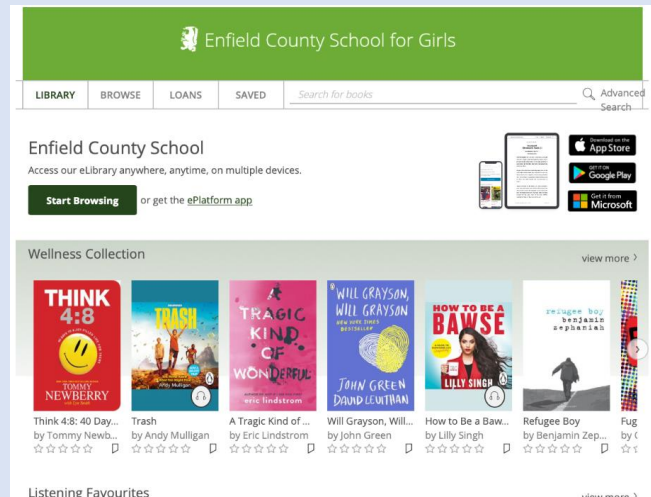
What the most successful students do:

- Attend intervention sessions regularly.

- Begin revision early - spacing out revision of topics throughout the year will help with recall of quotations, ideas and key skills.

- Re-visit class notes making use of resources on MS Teams.

- Listen and respond to teacher feedback.

- Engage in class discussion.

- Read widely and regularly (reading list on the school website, non-fiction, school eLibrary).

- Re-read set texts

- Complete independent writing practice beyond the classroom.

- Keep on top of work and complete H/W to a high standard.

Enfield County School for Girls

Sarah Smith
Assistant Headteacher - Improving Academic Outcomes

➢ GCSE grades and target grades

➢ What do successful students do?

➢ How as parents can you support?

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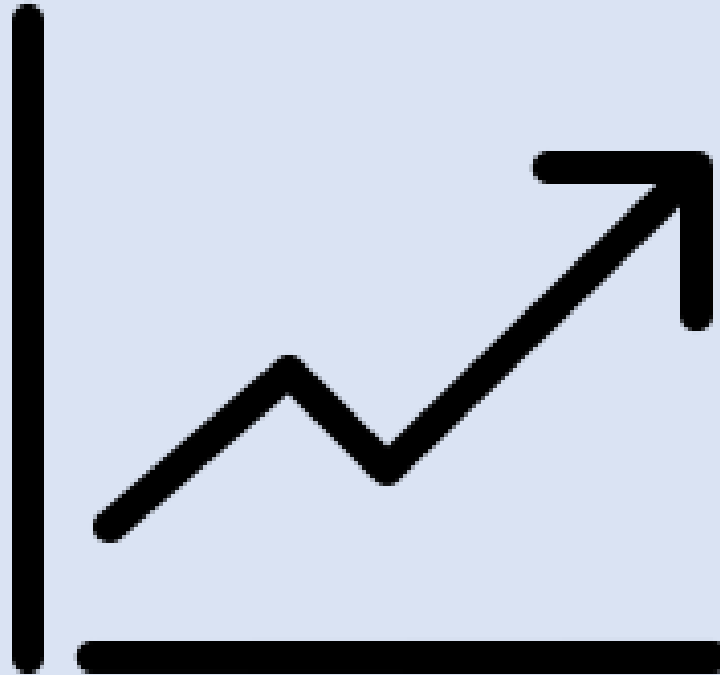
GCSE GRADING SYSTEM:

OLD GCSE (A*- U)	NEW GCSE (1 – 9)
A**	9+
A**	9
A**	9-
A*	8+
A*	8
A1	8-
A2	7+
A2	7
A3	7-
B1	6+
B2	6
B2	6-
B3	5+
B3	5
C1	5-
C2	4+
C2	4
C3	4-
D1	3+
D2/D3	3
E1	3-
E2	2+
E3/F1	2
F2	2-
F3	1+
G1/G2	1
G3	1-
U	0

STRONG PASS (Grade 5) → C1 / 5-

PASS (Grade 4) → C3 / 4-

Target Grades

What do successful students do?

➢ Talent

➢ Discipline

➢ Self Belief

How can you develop these qualities?

- ➢ Talent

- ➢ Discipline

- ➢ Self Belief

What Kind of Mindset Do You Have?

Growth Mindset

Fixed Mindset

I can learn anything I want to.
When I'm frustrated, I persevere.
I want to challenge myself.
When I fail, I learn.
Tell me I try hard.
If you succeed, I'm inspired.
My effort and attitude determine everything.

I'm either good at it, or I'm not.
When I'm frustrated, I give up.
I don't like to be challenged.
When I fail, I'm no good.
Tell me I'm smart.
If you succeed, I feel threatened.
My abilities determine everything.

Parents - How can you support your daughter?

1. School Planners/Ms Teams

2. Monitor her revision

3. Login to MathsWatch, gcsepod & MY GCSE Science.

4. Quiet place, routine, revision timetable.

5. Space out her revision

Support

- ✓ **Teachers, tutors, PAL, me**
- ✓ **Progress Reports before Christmas Holiday**
- ✓ **Parents Evening – 20th March 2024**
- ✓ **Exam preparation information in Summer Term.**
- ✓ **Ms Teams – Year 10 page for updates**

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