Y10 Information Evening Thurs 3rd October 2025





Staff Presenting Tonight

Ms Foster – Deputy Headteacher

Mr Tatar – Head of Mathematics

Ms Hadjidaniel – Head of Science

Ms Napolitano- Head of English

Ms Smith – Assistant Headteacher





- Student feedback from current Y12s & 11s "If Year 11 and Post 16 <u>information</u> and <u>ideas about learning</u> 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



You have received this evening a booklet

- Revision Books
- Helpful Website
- Specification codes

| Subject | Recommended Books | Price | 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/UCFJ62uB3RlixckCOJ1847Rw 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 | https://www.bbc.co.uk/bitesize/examspecs/zmtchbk https://techterms.com/ https://smartrevise.online/ https://www.youtube.com/c/craigndave/plavlists https://www.youtube.com/playlist?list=PL8dPuuaLiXtNIUrzyH5r6jN9ullgZ8pdo https://isaaccomputerscience.org/topics/gcse#all |



GCSE

Revision Guides & Resources Exam Boards & Specifications

Today, Leading Tomorrow



| Subj | ect | Recommended Books | Price | Helpful Websites |
|--------------|------|---|--------------------------|---|
| Ar | rt | 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/ |
| Class | sics | 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. |
| Comp Scie | | 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 | 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=PL8dPuuaLjXtNIUrzyH5r6jN9ullgZBpdo https://isaaccomputerscience.org/topics/gcse#all |

x9 pages of recommended subject texts & FREE links to websites



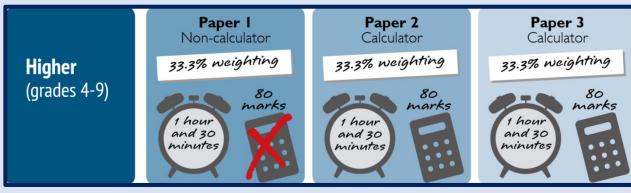
GCSE Exam Boards & Specification Links

| SUBJECT | EXAM BOARD | Subject |
|-------------------------------------|----------------|-----------------|
| (click for link to subject webpage) | (click for | Specification |
| | website) | (click for pdf) |
| GCSE English Language | <u>AQA</u> | <u>8700</u> |
| GCSE English Literature | <u>AQA</u> | <u>8702</u> |
| GCSE Mathematics | <u>Pearson</u> | 1MA1 |
| GCSE Science (Combined Science - | <u>AQA</u> | <u>8464</u> |
| Trilogy) Double Award | | |
| GCSE Art | <u>Pearson</u> | <u>1FA0</u> |
| GCSE Classical Civilisation | <u>OCR</u> | <u>J199</u> |
| GCSE Computer Science | <u>OCR</u> | <u>J277</u> |
| GCSE Drama | <u>Pearson</u> | <u>1DR0</u> |
| GCSE 3D Design – DT | Edugas | <u>C600QS</u> |
| GCSE Film Studies | Edugas | <u>C670QS</u> |
| GCSE French | <u>AQA</u> | <u>8652</u> |
| GCSE Geography | <u>AQA</u> | <u>8035</u> |
| BTEC Health & Social Care | <u>Pearson</u> | L2 Tech |
| | | Award |
| GCSE History | Pearson | 1HI0 |

| SUBJECT (click for link to subject webpage) | (click for website) | Subject Specification (click for pdf) |
|--|------------------------|---|
| GCSE Music | <u>OCR</u> | <u>J536</u> |
| GCSE PE | <u>Pearson</u> | <u>1PE0</u> |
| GCSE Psychology | <u>AQA</u> | 8182 |
| GCSE R.S. | <u>OCR</u> | <u>J625</u> |
| GCSE Sociology | <u>AQA</u> | 8192 |
| GCSE Spanish | <u>AQA</u> | 8692 |
| GCSE Textiles | Educas | <u>C653QS</u> |



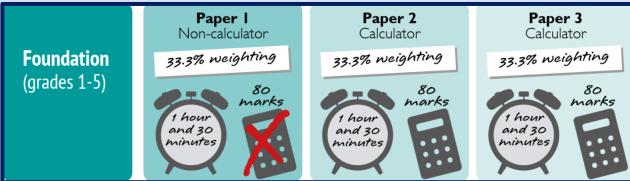
GCSE Mathematics



3 Papers (1 non-cal paper and 2 calc papers).

Two Tiers: (Higher and Foundation).

No coursework, all exam based





KS4 GCSE Higher (Year 10) Schemes of Work

This is a breakdown of the Year 10 Mathematics content.

To watch videos, take notes, and attempt questions on any topic:

- Go to https://vle.mathswatch.co.uk/vle/
- 2. Log in using your personalised username and password
- 3. Click on "Video" in the top menu bar
- 4. Enter the MathsWatch clip number (as listed in the table below) into the search bar
- 5. Watch the video or click the yellow "Interactive Questions" button to attempt questions

| TOPICS | MATHSWATCH CLIP NUMBERS | COMPLETED |
|---|-------------------------|-----------|
| UNIT 6 (Graphs) | | |
| Drawing linear graphs with a table of values | 96, 113 | |
| Midpoints and line length | 133 | |
| Gradients – triangles and formula | 97 | |
| y = mx + c | 99, 159a | |
| Equation of a line given points | 159b | |
| Equation of parallel or perpendicular lines | 208 | |
| Drawing quadratic graphs | 98 | |
| Solutions from quadratic graphs | 99 | |
| Drawing cubic and inverse graphs | 161 | |
| Distance-Time graphs | 143 | |
| Time-Velocity graphs | 216a | |
| Real life graphs | 6a, 6b, 107 | |
| UNIT 7 (Area and volume) | | |
| Perimeter and area of shapes | 52, 53, 54, 55, 56 | |
| Circles- area and circumference | 116, 117, 118, 149 | |
| Arc length and area | 167 | |
| Properties and nets of 3D shapes | 43, 44 | |
| Volume of prisms and cylinders | 115, 119 | |
| Volume of cones, spheres and pyramids | 169, 170, 171 | |
| Surface area of prisms | 114a, 114b | |
| Surface area of cones, spheres and pyramids | 169, 170, 171 | |
| Preserved volume and surface area | | |
| Unit conversions – including cubic (cm ³ = mm ³) | 112 | |
| Error intervals and bounds | 155a, 155b, 206 | |
| Bounds calculations | 132, 206 | |
| UNIT 9 (Equations and Inequalities) | | |
| Solving quadratics by factorising | 157, 192 | |
| Quadratic formula | 191 | |
| Completing the square | 209a, 209b, 209c | |
| Simultaneous equations - both linear | 162 | |
| Simultaneous equations – linear and quadratic | 211 | |
| Simultaneous equations – linear and circle | 197 | |
| Inequalities on a number line | 138 | |
| Solving inequalities | 139 | |
| | | |

| UNIT 10 (Probability) | |
|--|---------------------------|
| Listing outcomes (sample space) | 58, 59, 126 |
| Probability calculations and mutually exclusive events | 14, 60, 204 |
| Experimental probability and relative frequency | 125 |
| Venn diagram notations | 127a, 127b |
| Drawing Venn diagrams | 127a, 185 |
| Frequency trees | 57 |
| Tree diagrams with replacement | 151 |
| Tree diagrams without replacement | 175 |
| Algebraic tree diagrams | |
| UNIT 11 (Multiplicative reasoning) | |
| Compound interest and depreciation | 164 |
| Growth and decay | 164 |
| Speed Distance Time | 142a |
| Mass Density Volume | 142b |
| Force Pressure Area | 142c |
| Direct proportion $(y = kx)$ | 199 |
| Inverse proportion $(y = k/x)$ | 199 |
| Indirect ratio | 199 |
| UNIT 12 (Similarity and congruence) | |
| Congruence (SSS, SAS, ASA, RHS) | 12, 166 |
| Geometric proof and congruence | 166 |
| Similarity - Length | 144 |
| Similarity – Area | 201 |
| Similarity – Volume | 201 |
| Frustum of cones | 172 |
| UNIT 8 (Transformations and constructions) | |
| Map scale | |
| Bearings | 124 |
| Constructions | 47, 145a, 145b, 145c, 147 |
| Loci | 146 |

- Graphs
- Area and Volume
- Equation and inequalities
- Probability
- Multiplicative reasoning
- Similarity and Congruence
- Transformation and Constructions





GCSE MATHS PAPER 1H FEEDBACK



SCAN IT, LEARN IT, ACE IT

| Name | | PPE Grade | |
|-------|-----------------|-----------|----|
| Class | 10Ma3B-Mr Tatar | Total | 48 |

table

probability

Complete

| Q | Торіс | Mark | Out of | Revision completed |
|-----|--|------|--------|-----------------------|
| 1a | Multiplying Decimals | 1 | /2 | |
| 1b | Dividing Decimals | 1 | /2 | |
| 2 | Mixed number operations | 0 | /3 | |
| 3 | Ratio problems | 4 | /5 | |
| 4a | Prime factor trees | 2 | /2 | |
| 4b | HCF and LCM | 2 | /2 | |
| 5 | Error intervals | 0 | /2 | |
| 6 | Forming and solving equations | 4 | /4 | |
| 7a | ordinary number to standard form | 1 | /1 | |
| 7b | Standard form to ordinary number | 1 | /1 | |
| 7c | Operations with standard form | 2 | /2 | |
| 8 | Rearrange subject of formula | 3 | /3 | |
| 9a | Probability table | 2 | /2 | |
| 9b | Relative frequency | 2 | /2 | |
| 10 | Factorise quadratics | 2 | /2 | |
| 11 | Percentage profit | 2 | /4 | |
| 12 | Solving linear equations with unknown on both sides | 1 | /3 | |
| 13a | Describe relationship and correlation in scatter graphs | 1 | /1 | |
| 13b | Draw line of best fit on scatter graphs | 1 | /1 | |
| 13c | Use line of best fit to make estimates | 1 | /1 | |
| 14 | Similar shapes | 0 | /3 | |
| 15a | Index laws | 1 | /1 | |
| 15b | Fractional index laws | 1 | /2 | |
| 16a | Rotations of shapes | 2 | /2 | |
| 16b | Translations of shapes | 2 | /2 | |
| 17 | linear simultaneous equations | 1 | /3 | |
| 18 | Equation of a line from a given graph | 2 | /3 | |
| 19 | Recurring decimals to fraction | 2 | /3 | |
| 20 | Finding equation of a line perpendicular to a given line | 0 | /3 | |
| 21 | Venn diagrams | 3 | /3 | |
| 22 | Quadratic simultaneous equations | 1 | /5 | |
| 23a | Rationalising denominator | 0 | /2 | |
| 24b | Expanding brackets with surds | 0 | /3 | |



Standard form



Error Intervals

Equations 2



HCF & LCM



Equations 1





Prime Factorisation



Recurring Decimals to fractions



Index laws

Simultaenous

Equation of a



Similar Triangles



Surds and Brackets



Rationalise Denominator





Fractional Indices

Useful Websites

https://www.1stclassmaths.com/ https://vle.mathswatch.co.uk/vle/ https://www.mathsgenie.co.uk/ https://www.examq.co.uk/ m/

| ttps:/ | /corb | ettma | ths.co |
|--------|-------|-------|--------|

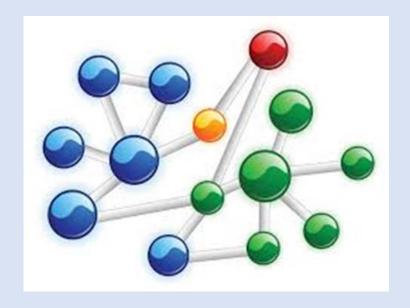
| 2010101101101101101101101101101101101101 | Problem | Algebraic fractions Equations with | Venn diagrams | Proof involving circles, squares, | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
|--|-----------------------|------------------------------------|--|-----------------------------------|---------------------------------------|
| | 0 | | 5 | | 3 |
| | 3 | | 0 | | 2 |
| | 0 | | 0 | | 0 |
| | 3 | | 0 | | 0 |
| | 0 3 0 3 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | 3 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | 3 | | 0 | | 3 |
| | 0 3 0 3 0 | | 0 | | 1 |
| | 0 | | 0 0 0 0 0 0 0 0 0 0 | | 0 |
| | 0 3 1 0 | | 0 | | 0 |
| | 3 | | 0 | | 0 |
| | 1 | | 3 | | 3 |
| | 0 | | 0 | | 0 |

How parents can help

- Encourage 100% attendance to school and booster sessions.
- Encourage regular practice and review topics using "MathsWatch"
- Encourage your daughter to be proactive in finding a member of the maths department if help is ever needed.
- Teach you something she has learnt.

GCSE Science

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







Thinking about Careers

Ever thought of a career in: Aerospace Engineering?



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







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

| Equatio n number | Word equation | Symbol equation |
|------------------------|---|--------------------------------|
| 1 | $(\text{final velocity})^2 - (\text{initial velocity})^2 = 2 \times \text{acceleration} \times \text{distance}$ | $v^2 - u^2 = 2 a s$ |
| 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 | $period = \frac{1}{frequency}$ | |
| 5 HT | force on a conductor (at right angles to a magnetic field) carrying a current = magnetic flux density × current × length | F = B I I |
| 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 | $V_p I_p = V_s I_s$ |



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.



 $198 = 5.5 \times a$

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

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

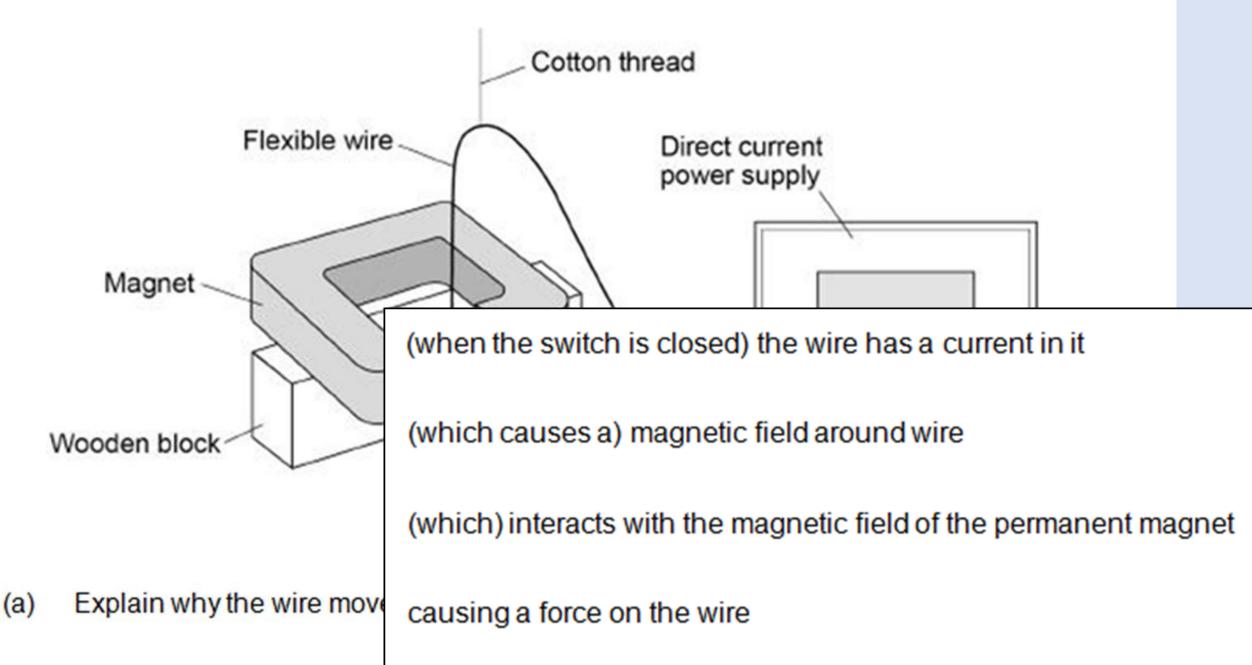
(a) The person applied a mean force of 198 N to the ball for a time of 0.25 s.
The mass of the ball was 5.5 kg.

Calculate the velocity of the ball just after leaving the person's hand.

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

$$v = 9.0 \text{ (m/s)}$$

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





The Science Plan for Year 10:

- Announcements on Teams
- Regular tracking tests
- Tracking Test on <u>Wednesday 8th October</u>
- Same test for all
- No final decisions about higher or foundation until year 11
- Summer Geography-Science Cross Curricular Project
- Holiday Reading Projects



| Main Teacher Revise B4.3 Infection and Response Revise/Catch up | Other teacher(s) P6.3 Particle Model of Matter |
|---|--|
| Trackin | g 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, Kerboodle and my-gcsescience.com

Year 10 Science Tracking Test #1



Wednesday 8th October

Year 10 Science Tracking Test will be on Wednesday 8th October.

The test will include:

- B4.3 Infection and Response
- P6.3 Particle Model of Matter
- C5.2 Bonding, Structure and Properties of Matter (taught in year 9)
- A "Surprise topic" from year 9

The following resources will help you with your studies:

- https://www.aga.org.uk/subjects/science/gcse/science-8464/specification
- www.my-gcsescience.com
- www.kerboodle.com
- www.freesciencelessons.co.uk

Need extra help for the Tracking Test?

Ms Barr has offered to do one revision session to help you prepare for the Science Tracking Test, which is Learning Tod on Wednesday 8th October



This is an optional revision session for anyone who wants practice specifically with the most challenging questions.

It will be on Tuesday 7th October at 3.30pm in 07,

English at GCSE

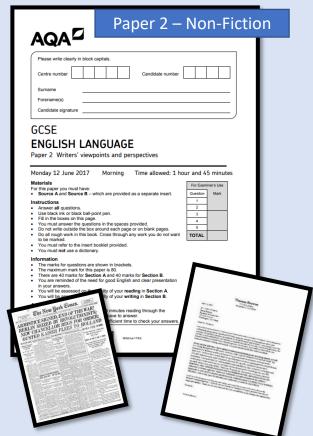
- At the end of the GCSE course, your daughter will receive two grades from 9-1 in English, one for English Literature and one for English Language.
- Our exam board is AQA.
- Your daughter has 4 hours of English a week in a mixed ability class of between 21 and 24 pupils.











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.

Enfield County School for Girls

An example question:

Your local newspaper is running a creative writing competition and they intend to publish the winning entries.

Either

Describe a journey by bus as suggested by this picture:



or

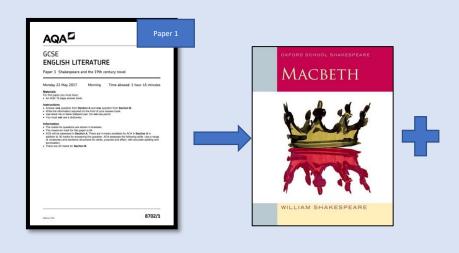
Write a story about two people from very different backgrounds.

(24 marks for content and organisation 16 marks for technical accuracy)

[40 marks]









AQA





AQA -



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.





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,

 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:

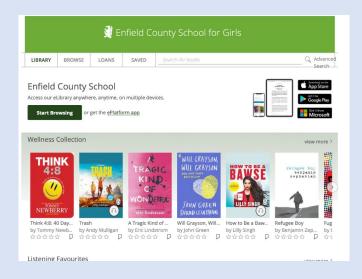
The Literature components of the exam are closed book so students are required to learn key quotations they can bring into their responses.





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.







Sarah Smith Assistant Headteacher - Improving Academic Outcomes

GCSE grades and target grades

> What do successful students do?

> How as parents can you support?









GCSE GRADING SYSTEM:

STRONG PASS (Grade 5)

PASS (Grade 4)

| OLD GCSE (A*- U) |
|------------------|
| A** |
| A** |
| A** |
| A* |
| A* |
| A1 |
| A2 |
| A2 |
| A3 |
| B1 |
| B2 |
| B2 |
| В3 |
| В3 |
| C1 |
| C2 |
| C2 |
| C3 |
| D1 |
| D2/D3 |
| E1 |
| E2 |
| E3/F1 |
| F2 |
| F3 |
| G1/G2 |
| G3 |
| U |

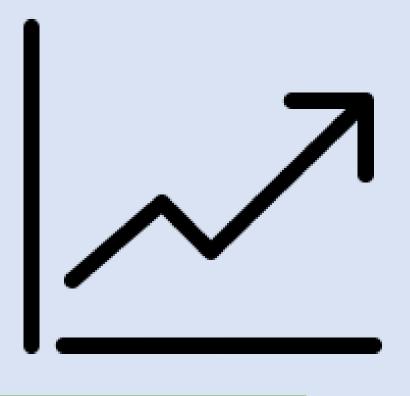
| NEW GCSE (1 – 9) |
|------------------|
| 9+ |
| 9 |
| 9- |
| 8+ |
| 8 |
| 8- |
| 7+ |
| 7 |
| 7- |
| 6+ |
| 6 |
| 6- |
| 5+ |
| 5 |
| 5- |
| 4+ |
| 4 |
| 4- |
| 3+ |
| 3 |
| 3- |
| 2+ 2 |
| 2 |
| 2- |
| 1+ |
| 1 |
| 1- |
| 0 |

<u>Le</u>arı



Target Grades







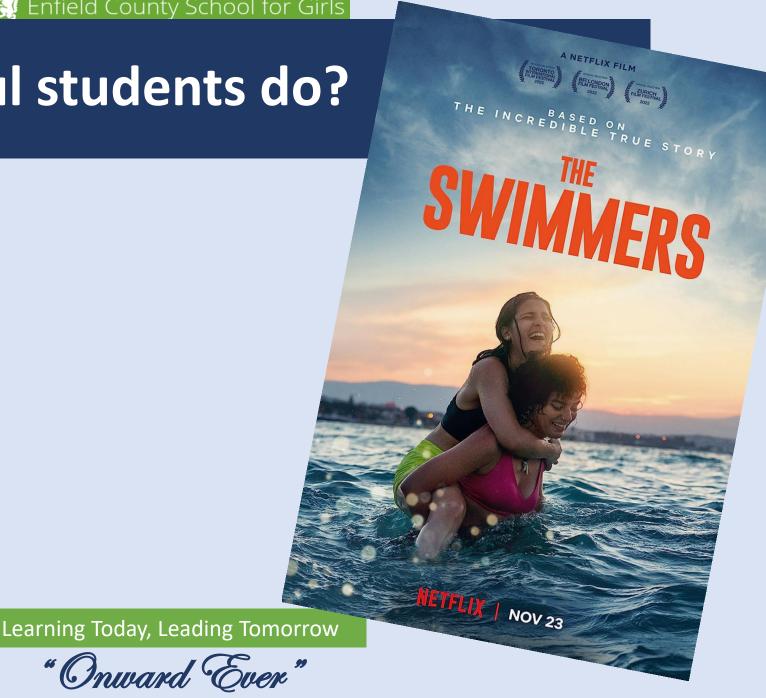


What do successful students do?

> Talent

Discipline

> Self Belief

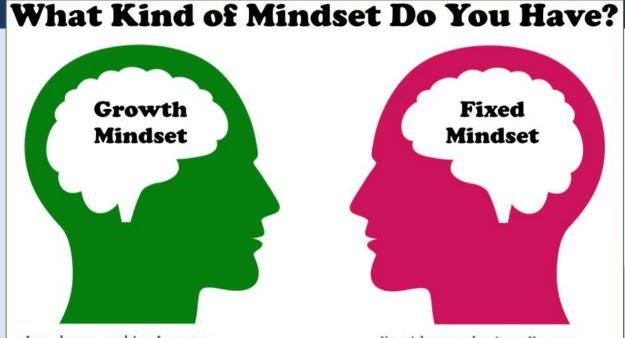


How can you develop these qualities?

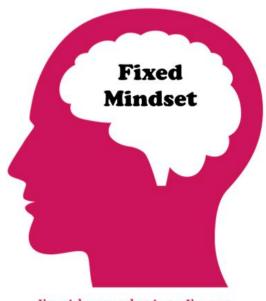
> Talent

Discipline

> Self Belief



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

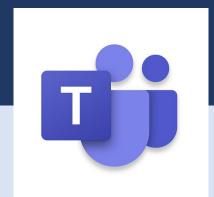


MathsWatch





Support



- ✓ Teachers, tutors, PAL, me
- ✓ Progress Reports before Christmas Holiday
- ✓ Parents Evening 19th March 2026
- ✓ Exam preparation information in Summer Term.
- ✓ Ms Teams Year 10 page 'Intake22' for updates

