English Language & English Literature

Topics In English Literature

Paper 1 – Shakespeare and post – 1914 Literature

- Section A - Macbeth (5 acts)
- Section B - An Inspector Calls (3 Acts)

Paper 2: 19th- century Novel and Poetry since 1789

- Section A : A Christmas Carol (5 Staves)
- Section B 1: Conflict Poetry anthology (15 poems)
- Section B1- Unseen poetry

Topics in English Language

- **Language paper 1**:
  Section A - Exploring creative writing
  Section B – writing
- **Language paper 2:**
  Section A –Writers' viewpoints and perspective
  Section B -writing

Maths

Strands in Maths

1. **Number**
   - Calculating with decimals
   - Negative numbers
   - Rounding & calculators
   - Using approximations, Types of numbers
   - Fractions and Percentages
   - Surds
   - changing recurring decimals to fractions compound measures and upper and lower bounds
2. **Algebra**
   - Solving equations
   - Inequalities, Formulae
   - Finding the nth term of a sequence
   - Graphs
   - Expanding and factorizing quadratic equations
   - Quadratics,
   - Simultaneous equations
   - Graphs
   - Rearranging formulae
3. **Ratio, proportion and rates of change**
   - Converting units
   - ratio
   - Compound measures
   - Direct and inverse proportion
   - Compound interest and financial mathematics
4. **Geometry and measures:**
   - Angles in shapes
   - Transformations,
   - Areas & volumes
   - Pythagoras and trigonometry
   - Constructions,
   - Transformations
   - Angles in polygons
   - Circle theorems
   - Volume
   - Vectors.
5. **Probability :**
   - Relative frequency and listing outcomes
   - Probability trees and Venn diagrams to solve probability problems
6. **Statistics:**
   - Stem and leaf
   - Scatter graphs
   - Types of charts,
   - Collecting data& representing data
   - Collecting and representing data
   - Histograms
   - cumulative frequency and box plots
   - Stratified sampling

Combined Science Trilogy

Topics In Biology:

- Cell structure
- Cell division
- Transport in cells
- Animal tissues, organs
- and organ systems
- Plant tissues, organs
- and organ systems
- Infection and response
- Photosynthesis
- Respiration

Topics In Chemistry

- Atomic structure and the periodic table
- Bonding, structure and the properties of matter
- Quantitative Chemistry
- Chemical changes
- Energy changes
- Formula and equations

Topics In Physics:

- Energy
- Electricity
- Particle model of nature
- Atomic structure

Combined Science Trilogy

Topics In Biology 2:

- Homeostasis and the human nervous system
- Hormonal coordination in humans
- Reproduction
- Variation
- The development of understanding of genetics and evolution
- Classification of living organisms
- Adaptations, interdependence and competition
- Organisation of an ecosystem
- Biodiversity and the effect of human interaction on ecosystem

Topics In Chemistry 2:

- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using the Earth's resources

Topics In Physics 2:

- Forces
- Observing and recording motion
- Waves
- Magnetism and electromagnetism

R.E

Topics - R.E

Christianity Topics:

- Christian Beliefs
- Living the Christian Life
- Marriage and family
- Matters of Life and Death

Islam Topics:

- Muslim Beliefs
- Living the Muslim Life
- Crime and Punishment
- Peace and Conflict

Geography

Topics - Geography:

- Volcanoes (How and case studies)
- Earthquakes (How and case studies)
- Hurricanes (How and case studies)
- Global air circulation
- Climate change
- Food webs
- Food chains
- Tropical Rainforests
- Hot deserts
- Plant adaptions
- Fluvial Processes
- Depositional Processes
- Transportation Processes
- Erosional landforms (coast and river)
- Depositional landforms (coast and river)
- Hard engineering (coast and river)
- Soft engineering (coast and river)
- Urban world
- Rio Case study
- Bristol Case study
- Salford Quays
- Sustainability
- Development gap
- Demographic Transition Model
- Lagos Case study
- Food in the UK / Water in the UK / Energy in the UK
- Global food supply / Insecurity / Indus Basin Case study
- Human Fieldwork (why, how, when, improvements)
- Physical Fieldwork (why, how, when, improvements)

History

Topics - History:

- **Paper 1 –**
- World War 1 Germany

  1894-1933
- **Paper 2** –
- Health and Medicine,

  The Norman Conquest + Durham Cathedral

ICT

Topics - ICT

Audience and Accessibility
○ Disabilities
○ Collaborative working
○ Informal and formal writing
○ Informal working
The Purpose and Advantage of IT Applications
○ Word Processing
○ Spreadsheets
○ Multimedia Presentations
○ Audio Editing
○ Video Editing
○ Bitmap Graphics Editors
○ Vector Graphics Editors
○ Other Document Formats
○ Web Browsers
○ email Software
○ File Names and Types
○ Cloud Working
Security and safety when working online
○ Passwords
○ Backing up data
Strengths and weaknesses of the presentation of information
○ QR codes
○ Presentations
○ Updating information
○ Uploading information
Handling and interpreting information in IT contexts
○ Free and Open Source Software
○ Commercial and proprietary information
Copyright licensing and patent issues
○ Open file formats
○ Proprietary licenses
○ The copyright act
The Flow of Information
○ The steps of information flow
○ Macros to improve productivity
Costs of IT Solutions
○ Free software
○ Purchased software
Project Management and Target Setting
○ SMART targets
Choosing the Right Tool for the Job
○ Considerations when choosing software
Purposes and outcomes in ICT projects
○ Describe how you carry out tasks
Acceptable Use Policies
○ Security
○ Appropriateness
○ Time-wasting (productivity)
○ Legal
○ Good-practice
○ Data Protection

Urdu

Topics - Urdu:

- **Context 1:** Lifestyle (Health, Relationships and Choices)
- **Context 2**: Leisure (Free time and the media)
- **Context 3**: Home and Environment (Home and Local Area, Environment)
- **Context 4:** Work and Education (School and Future Plans, Current and Future jobs)

French

Topics – French

- Family, friends and relationships
- Technology in Everyday Life
- Free time activities
- Customs and festivals
- Home, town, neighbourhood and region
- Social Issues
- Global Issues
- My studies, Life at School
- Education Post-16, Jobs, career choices and ambitions

	Monday (2 -2 1/2 hours evening)	**Tuesday** (2 -2 1/2 hours evening)	**Wednesday** (2 -2 1/2 hours evening)	**Thursday** (2 -2 1/2 hours evening)	**Friday** (2 -2 1/2 hours evening)	**Saturday** (3-4 hours)	**Sunday** (3-4 hours)
Week 1 16/11 **Focus:** AIC	**5-6.15** **7-8.15** revision cards AIC – themes (KEY QUOTES). Use revision booklets Read first half Act 1 An Inspector Calls	**5-6.15** **7-8.15** – Revision cards – AIC – themes & characters (KEY QUOTES). Use revision booklets Read second half Act 1 - AIC	**5-6.15** **Test** yourself on key **quotes** on **characters** without looking at notes **7-8.15** – Revision cards –AIC – Act 1 & 2 summary/ dramatic devices/ language – Use GCSE Bitesize Read first half Act 2 - AIC	**5-6.15** **Test** yourself on key **quotes** - **language** without looking at notes **7-8.15** Revision cards – AIC – Act 3 Summary/ dramatic devices/ language (KEY QUOTES). Use Bitesize Read second half Act 2 - AIC	**5-6.15** Test yourself on key quotes without looking at notes **7-8.15** Revision cards – rehearse memorising quotes/ make memory posters AIC Read first half - Act 3 AIC	10-11 Test yourself on key quotes without looking at notes – **mind-map** 12-2 Improve mock answer – rewriting answer using teacher feedback 3-4 Read second half –Act 3 - AICC	10-11 12-2 3-4 Attempt sample Exam question/ create a Plan/ key quotes
Week 2 23/11 **Focus** ACC	**5-6.15** **7-8.15** Read Stave 1 - A Christmas Carol – jotting down key quotes –opening (structure)	**5-6.15** Revision cards- key characters/ quotes **7-8.15** Read Stave 2 - A Christmas Carol – jotting down key quotes opening chapters (structure)	**5-6.15** Revision cards- key themes/ quotes/ opening **7-8.15** Read Stave 3 - A Christmas Carol	**5-6.15** Revision cards- Structure & language/ quotes **7-8.15** Read Stave 4 - A Christmas Carol	**5-6.15** Revision cards- Structure & language/ quotes **7-8.15** Read Stave 5 - A Christmas Carol	10-11 Revision cards- context AIC 12-2 3-4 Revision cards – rehearse memorising quotes/ make memory posters - ACC	10-11 12-2 Audit mock exam question on AIC – rewrite – using teacher feedback 3-4
Week 3 **Focus** 30/11	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2 3-4	10-11 12-2 3-4
Week 4 07/12 **Focus**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2 3-4	10-11 12-2 3-4

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Week 5 14/12 **Focus** Macbeth	**5-6.15** Revision cards- key characters/ quotes – ACT 1 & 2 – Use GCSE Bitesize **7-8.15** Read first half Act 1 Macbeth – make notes using revision / guide	**5-6.15** Revision cards- key characters, themes/ quotes –ACT 1 & 2– use GCSE Bitesize **7-8.15** Read second half Act 1 Macbeth – make notes using revision booklet/ guide	**5-6.15** Revision cards- key characters, themes/ quotes –ACT 3 & 4– use GCSE Bitesize **7-8.15** Read first half Act 2 -Macbeth – make notes using revision booklet/ guide on key events	**5-6.15** **Revision cards- key characters, themes**/ quotes –ACT 3 & 4– use GCSE Bitesize **7-8.15** Read second half Act 2 - Macbeth – make notes using revision booklet/ guide – key dramatic events	**5-6.15** **Attempt practice paper** –use tips from blue pen work – mock paper **7-8.15** Read first half Act 3 - Macbeth – make notes using revision booklet/ guide	10-11 Revision cards – **rehearse memorising** quotes/ make memory posters - ACC 12-2 3-4 Read second half Act 3 -Macbeth – make notes using revision booklet/ guide –key dramatic events	10-11 Read first half Act 4 -Macbeth – make notes using revision booklet/ guide 12-2 Read second half Act 4 -Macbeth – make notes using revision booklet/ guide 3-4 - **answer** **Question**: How does Shakespeare present the theme of power in the play?
Week 6 21/12 Holidays **Focus** Language	**5-6.15** Practise section B paper 2 **7-8.15** Read first half Act 5 - Macbeth – make notes using revision booklet/ guide	**5-6.15** practise section B paper 2 **7-8.15** Read second half Act 5 - Macbeth – make notes using revision booklet/ guide	**5-6.15** practise section B paper 2 **structure** **7-8.15 re-write story paper 1 section B**	**5-6.15** Section B paper 1 story editing on laptop **7-8.15 Mind map – REHEARSE WRITING OUT SECTION B PAPER 2 ARTICLE BY HEART**	**5-6.15** Section B paper 1 story editing on laptop **7-8.15** Test yourself on all quotes so far – use phone to record	10-11 Revisit act 5 Macbeth 12-2 Test yourself on all quotes so far – use phone to record 3-4 ensure all posters and brainstorms for all poems complete –Use computer if you want	10-11 Work on section B story paper 1 – 12-2 3-4
Week 7 28/12 **Focus**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**6.15** **7-8.15**	**6.15** **7-8.15**	**6.15** **7-8.15**	**6.15** **7-8.15**	**6.15** **7-8.15**
Week 8 04/1/21 **Focus**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2	10-11 12-2

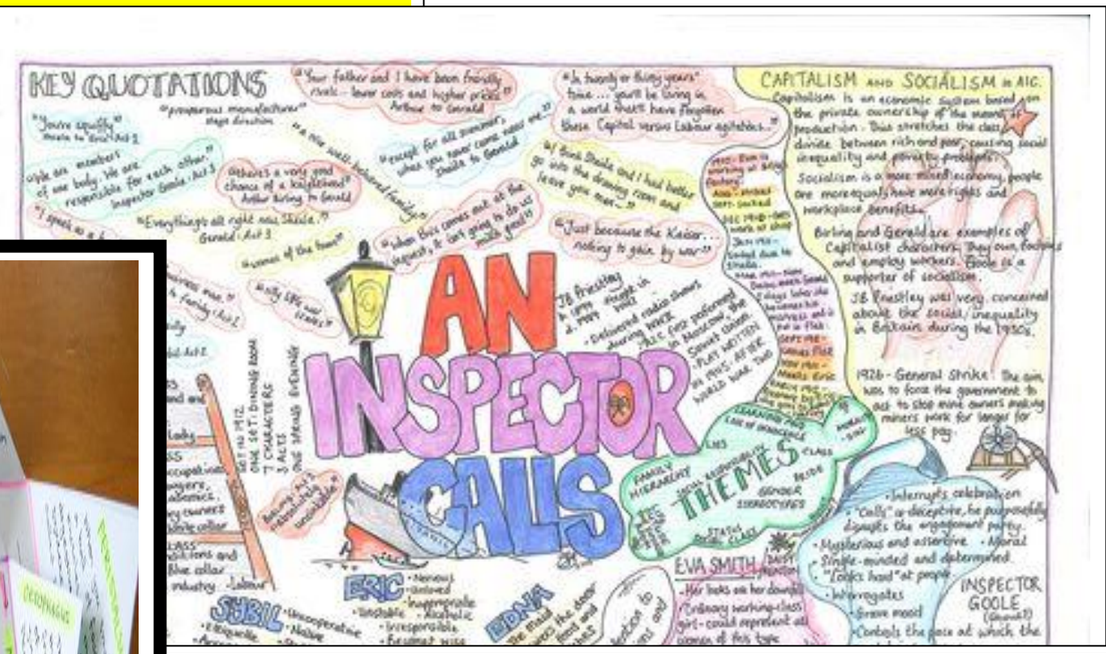
						3-4	3-4

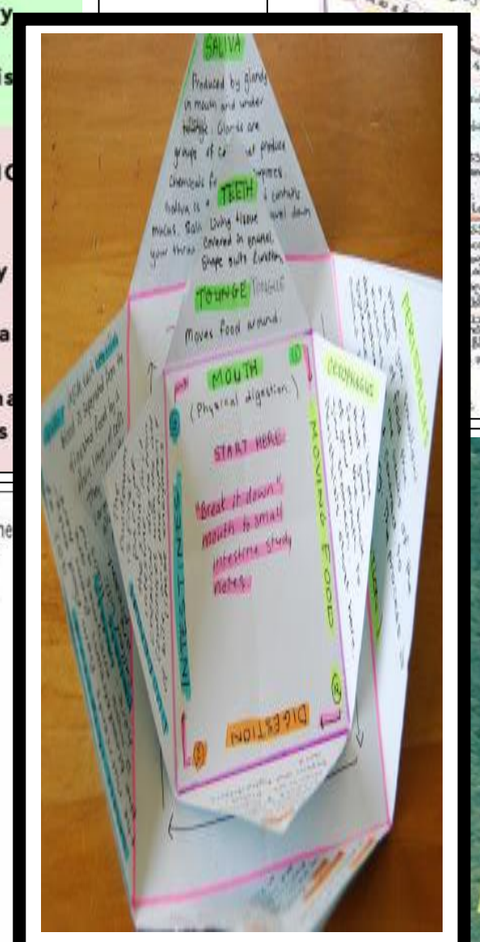
	Monday (2 -2 1/2 hours evening)	**Tuesday** (2 -2 1/2 hours evening)	**Wednesday** (2 -2 1/2 hours evening)	**Thursday** (2 -2 1/2 hours evening)	**Friday** (2 -2 1/2 hours evening)	**Saturday** (3-4 hours)	**Sunday** (3-4 hours)
Week 9 11/1 Half Term	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2 3-4	10-11 12-2 3-4
Week 10 18/1	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2 3-4	10-11 12-2 3-4
Week 11 25/1	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2 3-4	10-11 12-2 3-4
Week 12 1/2	**5-6.15**	**5-6.15**	**5-6.15**	**5-6.15**	**5-6.15**	10-11 12-2	10-11 12-2

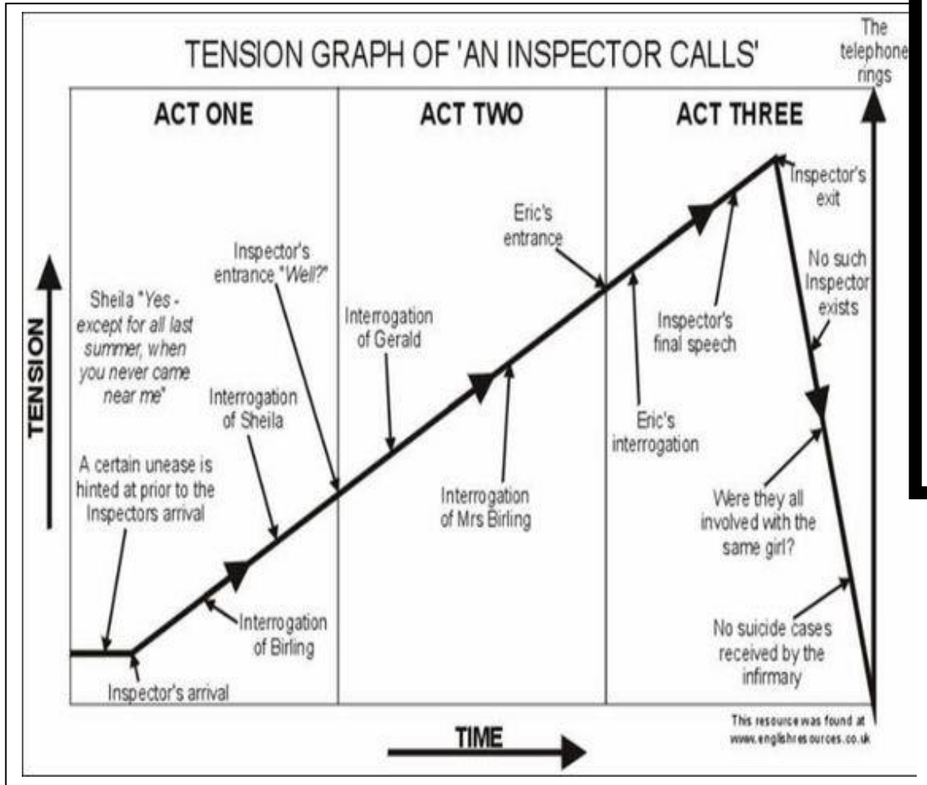
	7-8.15	**7-8.15**	**7-8.15**	**7-8.15**	**7-8.15**	3-4	3-4
	Monday (2 -2 1/2 hours evening)	**Tuesday** (2 -2 1/2 hours evening)	**Wednesday** (2 -2 1/2 hours evening)	**Thursday** (2 -2 1/2 hours evening)	**Friday** (2 -2 1/2 hours evening)	**Saturday** (3-4 hours)	**Saturday** (3-4 hours)
Week 13 8/2	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	**5-6.15** **7-8.15**	10-11 12-2 3-4	10-11 12-2 3-4

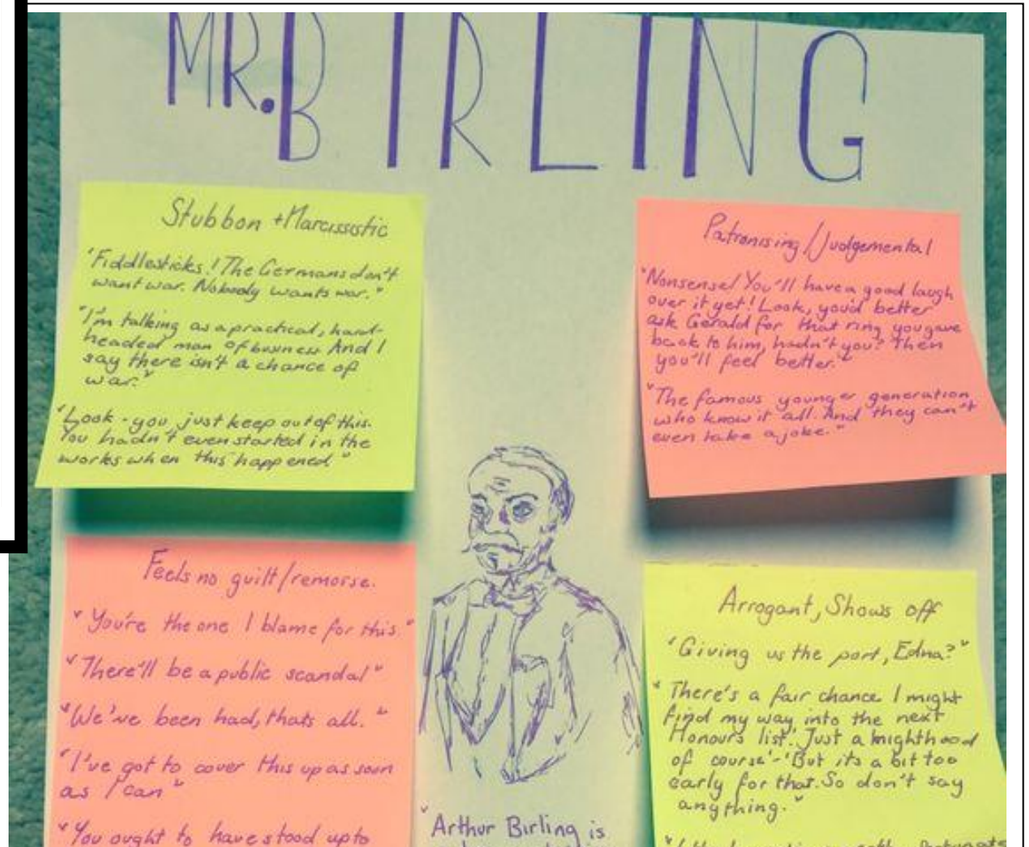
Revision Tips

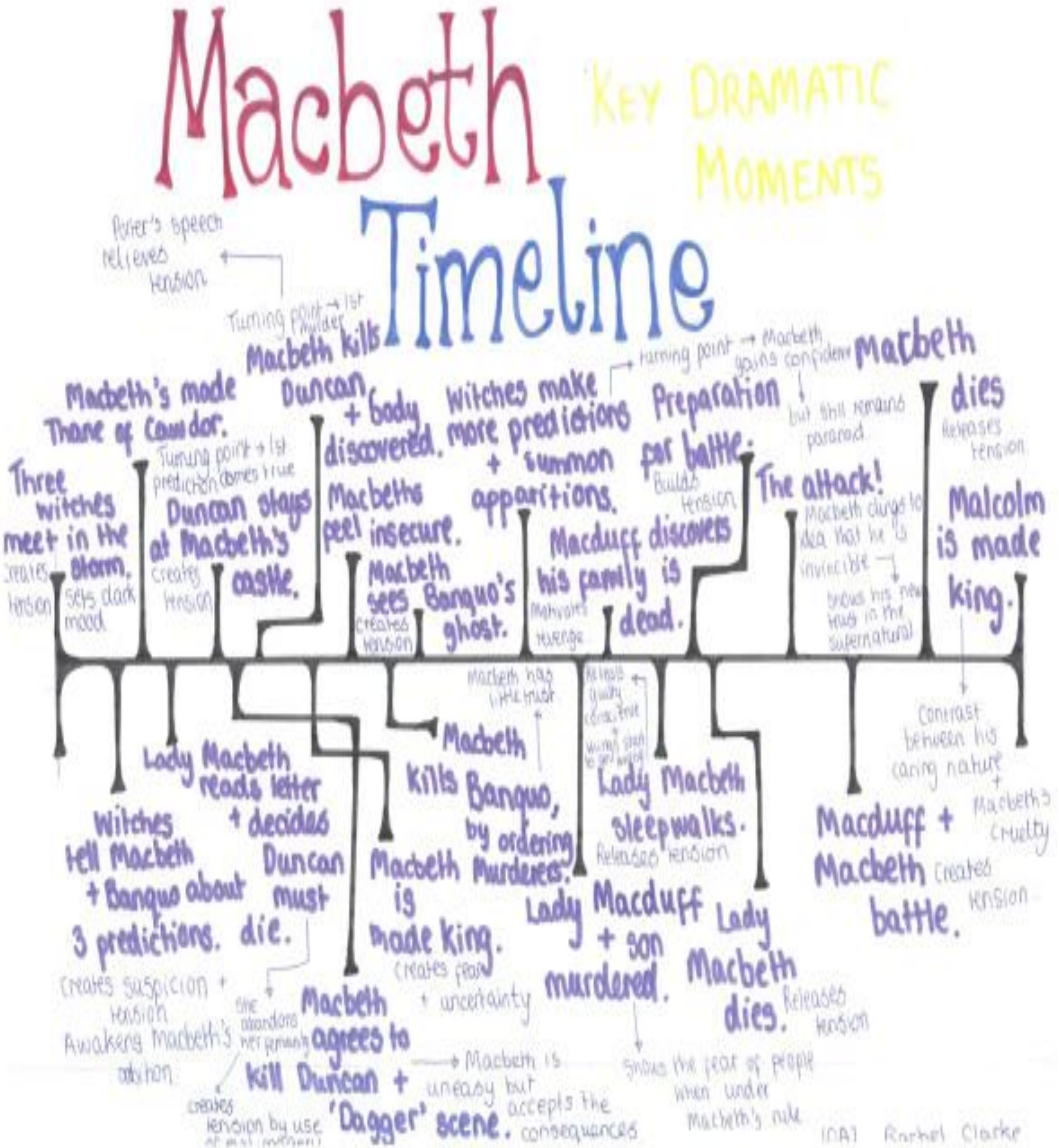
ADDING	SEQUENCING	ILLUSTRATING
and as well as moreover furthermore in addition too on top of that another point is	first, firstly, first of all second, secondly.. third next meanwhile now subsequently	for example such as for instance in the case of as shown by illustrated by take... one example is
COMPARING	**QUALIFYING**	**CONTRASTING**
similarly likewise as with like equally in the same way	but however although unless except apart from as long as if	whereas alternatively unlike on the other ha conversely having said tha nevertheless however

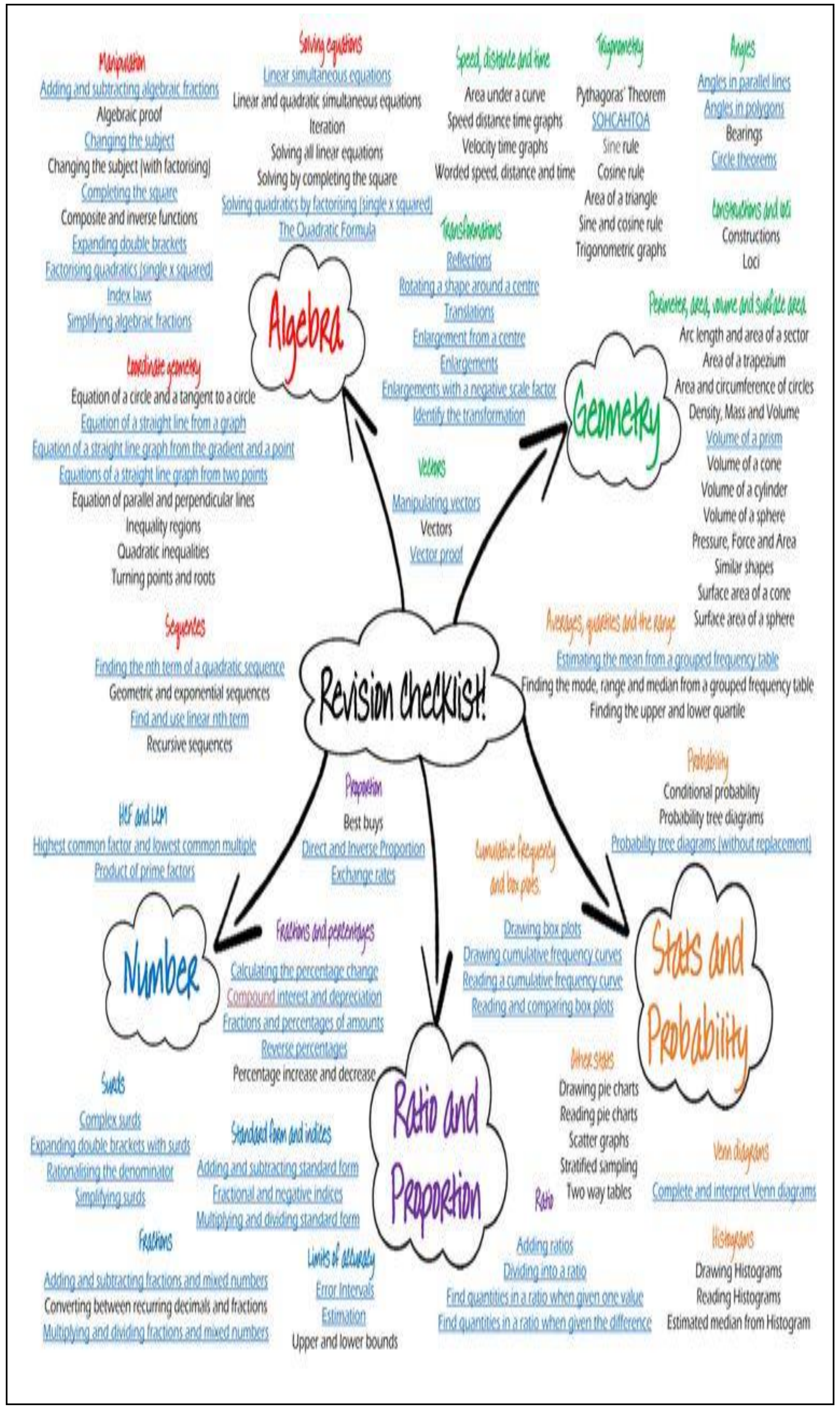


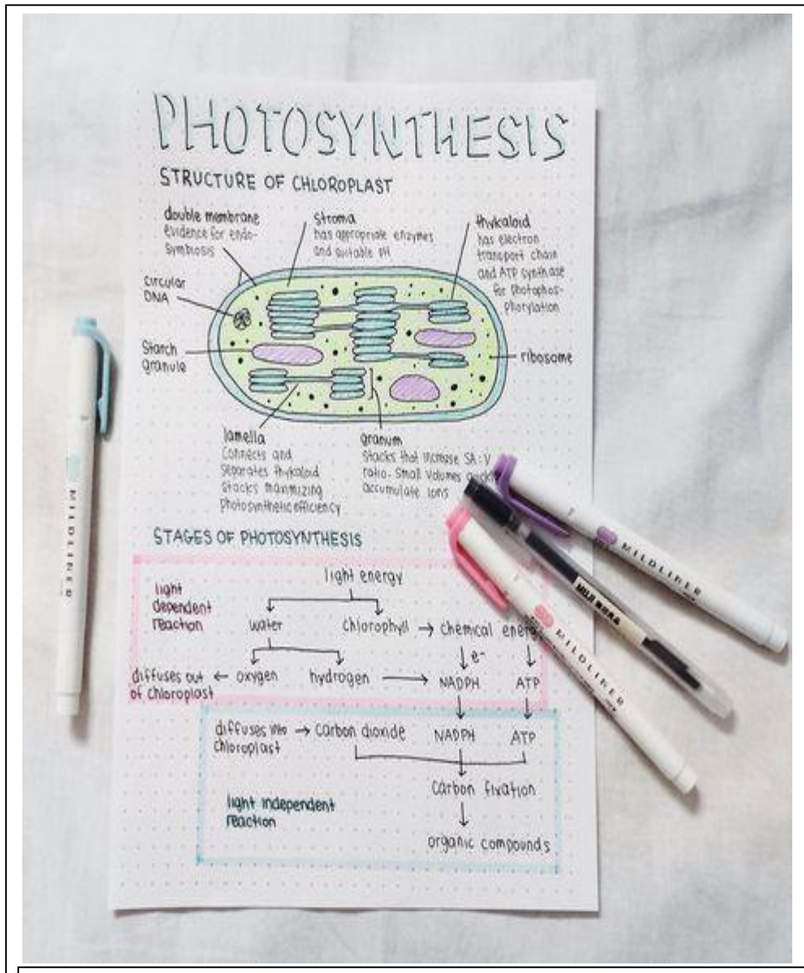


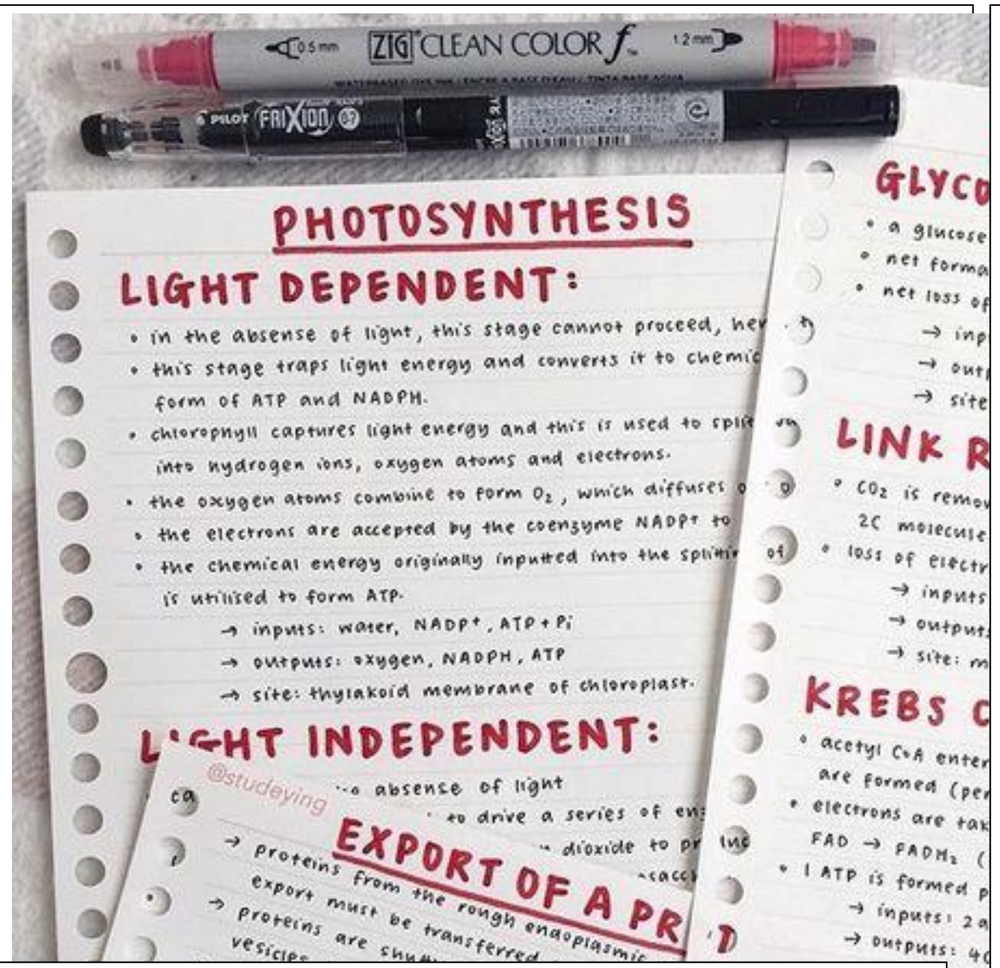





Macbeth Timeline
Key Dramatic Moments
Three witches meet in the storm.
Creates tension
Sets dark mood
Macbeth's made Thane of Cawdor.
Turning point + 1st prediction comes true
Duncan stays at Macbeth's castle.
Creates tension
Macbeth kills Duncan + body discovered.
Turning point → 1st murder
Porter's speech relieves tension
Macbeths peel insecure.
Macbeth sees Banquo's ghost.
Creates tension
Witches make more predictions + summon apparitions.
Turning point → Macbeth gains confidence but still remains paranoid
Macduff discovers his family is dead.
Macduff's revenge
Preparation for battle.
Builds tension
The attack!
Macbeth clings to idea that he is invincible → Shows his new trust in the supernatural
Macbeth dies
Releases tension
Malcolm is made king.
Contrast between his caring nature + Macbeth's cruelty
Witches tell Macbeth + Banquo about 3 predictions.
Creates suspicion + tension
Awakens Macbeth's ambition
Lady Macbeth reads letter + decides Duncan must die.
She abandons her femininity
Macbeth agrees to kill Duncan + 'Dagger' scene.
Creates tension by use of evil moment
→ Macbeth is uneasy but accepts the consequences
Macbeth is made king.
Creates fear + uncertainty
Macbeth kills Banquo, by ordering murderers.
Macbeth has little trust
Lady Macduff + son murdered.
Shows the fear of people when under Macbeth's rule
Lady Macbeth sleepwalks.
Releases tension
Lady Macbeth dies.
Releases tension
Macduff + Macbeth battle.
Creates tension
Rachel Clarke


Revision checklist!
Algebra
Manipulation
Adding and subtracting algebraic fractions
Algebraic proof
Changing the subject
Changing the subject (with factorising)
Completing the square
Composite and inverse functions
Expanding double brackets
Factorising quadratics (single x squared)
Index laws
Simplifying algebraic fractions
Solving equations
Linear simultaneous equations
Linear and quadratic simultaneous equations
Iteration
Solving all linear equations
Solving by completing the square
Solving quadratics by factorising (single x squared)
The Quadratic Formula
Coordinate geometry
Equation of a circle and a tangent to a circle
Equation of a straight line from a graph
Equation of a straight line graph from the gradient and a point
Equations of a straight line graph from two points
Equation of parallel and perpendicular lines
Inequality regions
Quadratic inequalities
Turning points and roots
Sequences
Finding the nth term of a quadratic sequence
Geometric and exponential sequences
Find and use linear nth term
Recursive sequences
Speed, distance and time
Area under a curve
Speed distance time graphs
Velocity time graphs
Worded speed, distance and time
Trigonometry
Pythagoras' Theorem
SOHCAHTOA
Sine rule
Cosine rule
Area of a triangle
Sine and cosine rule
Trigonometric graphs
Angles
Angles in parallel lines
Angles in polygons
Bearings
Circle theorems
Constructions and loci
Constructions
Loci
Transformations
Reflections
Rotating a shape around a centre
Translations
Enlargement from a centre
Enlargements
Enlargements with a negative scale factor
Identify the transformation
Vectors
Manipulating vectors
Vectors
Vector proof
Geometry
Perimeter, area, volume and surface area
Arc length and area of a sector
Area of a trapezium
Area and circumference of circles
Density, Mass and Volume
Volume of a prism
Volume of a cone
Volume of a cylinder
Volume of a sphere
Pressure, Force and Area
Similar shapes
Surface area of a cone
Surface area of a sphere
Averages, quartiles and the range
Estimating the mean from a grouped frequency table
Finding the mode, range and median from a grouped frequency table
Finding the upper and lower quartile
Probability
Conditional probability
Probability tree diagrams
Probability tree diagrams (without replacement)
Stats and Probability
HCF and LCM
Highest common factor and lowest common multiple
Product of prime factors
Proportion
Best buys
Direct and Inverse Proportion
Exchange rates
Cumulative frequency and box plots
Drawing box plots
Drawing cumulative frequency curves
Reading a cumulative frequency curve
Reading and comparing box plots
Number
Fractions and percentages
Calculating the percentage change
Compound interest and depreciation
Fractions and percentages of amounts
Reverse percentages
Percentage increase and decrease
Ratio and Proportion
Other stats
Drawing pie charts
Reading pie charts
Scatter graphs
Stratified sampling
Two way tables
Venn diagrams
Complete and interpret Venn diagrams
Surds
Complex surds
Expanding double brackets with surds
Rationalising the denominator
Simplifying surds
Standard form and indices
Adding and subtracting standard form
Fractional and negative indices
Multiplying and dividing standard form
Ratio
Adding ratios
Dividing into a ratio
Find quantities in a ratio when given one value
Find quantities in a ratio when given the difference
Histograms
Drawing Histograms
Reading Histograms
Estimated median from Histogram
Fractions
Adding and subtracting fractions and mixed numbers
Converting between recurring decimals and fractions
Multiplying and dividing fractions and mixed numbers
Limits of accuracy
Error Intervals
Estimation
Upper and lower bounds





Understanding words in the exam!

Command Word	Definition
Analyse	Separate information into components and identify their characteristics.
Apply	Put into effect in a recognised way.
Calculate	Work out the value of something.
Compare	Identify similarities and or differences.
Complete	Finish a task by adding to given information.
Consider	Review and respond to given information.
Define	Specify the meaning.
Describe	Set out characteristics.
Discuss	Present key points about different ideas or strengths and weaknesses of an idea.
Evaluate	Judge from available evidence.
Explain	Set out purposes or reasons.
Identify	Name or otherwise characterise.
Illustrate	Present clarifying examples.
Interpret	Translate information into recognisable form.
Justify	Support a case with evidence.
Outline	Set out main characteristics.
Suggest	Prevent a possible case/solution.
State	Express clearly and briefly.