



MATHS • 20 REVISION PRIORITIES
YEAR 11 MANTRA: "BE SELFISH FOR MY GRADE"

After each week, shade the RAG box: **RED** = I need more practice • **AMBER** = I partly understand and need to revisit • **GREEN** = I can do this confidently without support

	Foundation Grades 4 - 5	Higher Grade 5+	Higher Grade 7+	RAG
1	Averages from Tables/Diagrams	Linear Simultaneous Equations	Surds	☐
2	Fractions and Mixed Numbers: Addition and Subtraction	Expanding Triple Brackets	Solving Simultaneous equations using substitution. Quadratic graphs intersecting with linear lines. Circles intersecting with linear lines.	☐
3	Fractions and Mixed Numbers: Multiplication and Division	Recurring Decimals to Fractions	Sine rule, Cosine rule and Area of a non right angled triangle using trigonometry.	☐
4	Factorising into One Bracket	Solve quadratic equations.	Functions	☐
5	Factorising Quadratics	Box Plots, Drawing and Interpreting.	Iteration	☐
6	Linear Equations: Variables on Both Sides	Cumulative frequency, drawing and interpreting.	Solving quadratic inequalities	☐
7	Speed, Distance and Time	Algebraic Proportion	Proofs	☐
8	Volume of Prisms	Surds	Circle theorems	☐
9	HCF/LCM using Prime Factor Decomposition	Iteration	Direct and indirect proportion	☐
10	Laws of Indices	Algebraic Fractions. Simplify, adding, subtracting, multiplying, dividing.	Volume of prisms, cones, pyramids, frustums and spheres. Focus on problem solving questions which require you to solve for missing dimensions	☐
11	Standard Form Conversion	Solve quadratic equations.	Cumulative frequency and box plots	☐
12	Expanding and Simplifying	Solve Quadratic Inequalities	Similar shapes, finding missing areas and volumes in similar 3D solids	☐
13	Venn Diagrams and Set Notation	Non Right Angled Trigonometry (Sine rule, Cosine Rule, area of a triangle)	Bounds	☐
14	Linear Sequences: Nth Term	Functions	Bearings	☐
15	Pythagoras' Theorem	Inequality Regions	Transformations of graphs	☐
16	Probability Tree Diagrams	Bounds	Histograms	☐
17	Compound Interest	Tangent to a curve and Trapezium Rule	Equations of circles and their tangents.	☐
18	Percentage Profit/Percentage Loss	Similarity (Length, area, volume)	Vectors	☐
19	Trigonometry: SOHCAHTOA	Histograms	Construction and Loci	☐
20	Simultaneous Equations	Algebraic Proof	Probability- using tree diagrams for independent and dependent events including algebraic probabilities	☐



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	English Literature	English Language	RAG
1	A Christmas Carol: Redemption & Transformation: How does Dickens present Scrooge's transformation as a moral lesson to Victorian readers?	"The moment everything changed." Write the opening to a narrative that explores this idea.	☐
2	A Christmas Carol: Social Responsibility / Poverty: In what ways does Dickens use Scrooge and the charity collectors to expose Victorian neglect of the poor?	"Cities should reduce car use to protect the environment." Write a speech to a group of local councillors arguing your point of view.	☐
3	A Christmas Carol: Ignorance & Want (Social Critique): How does Dickens use the children 'Ignorance' and 'Want' to attack society's failure to protect the vulnerable?	"For a moment, the world seemed completely still." Write a narrative that begins with this sentence.	☐
4	A Christmas Carol: Family & Community: How does Dickens use the Cratchit family to show the importance of warmth, unity, and community spirit?	"School trips abroad are unnecessary when everything can be learned in the classroom." Write a letter to your headteacher giving your perspective.	☐
5	A Christmas Carol: Generosity & Christmas Spirit: To what extent does Dickens present generosity as essential to moral salvation?	"They had been warned not to go there." Write a narrative that explores this idea.	☐
6	Macbeth: Ambition: How does Shakespeare present ambition as a destructive, corrupting force in the play?	Write a description of a busy train station during a sudden storm. You could focus on people, movement, or the environment.	☐
7	Macbeth: Kingship: How does Shakespeare explore the difference between a rightful king and a tyrant in Macbeth?	"Exams are an unfair way to judge a student's ability." Write an article for an education website in which you argue your perspective.	☐
8	Macbeth: Supernatural: To what extent does Shakespeare present the supernatural as determining Macbeth's fate?	Write a description of a street at night, as seen by someone who is lost. Try to create mood and a sense of perspective.	☐
9	Macbeth: Gender: How is masculinity challenged and redefined through the characters of Macbeth and Lady Macbeth?	"We rely too much on technology and it is making life worse, not better." Write a letter to a national newspaper giving your opinion.	☐
10	Macbeth: Violence: In what ways does Shakespeare use violence to expose the moral chaos of Macbeth's Scotland?	Describe a journey through a place that is slowly falling into ruin. You could focus on mood, contrast, or shifting perspectives.	☐
11	Animal Farm: Napoleon: How does Orwell present Napoleon's rise to power as a warning about dictatorship?	"Schools should offer later start times to improve students' mental health." Write a speech for an assembly in which you give your opinion.	☐
12	Animal Farm: Boxer: How does Orwell use Boxer to explore the exploitation of the working class?	Describe a time when the weather suddenly changed. Create tension through shifting atmosphere.	☐
13	Animal Farm: Squealer & Propaganda: How does Orwell show the power of language and propaganda to control others?	"The obsession with celebrity culture is damaging society." Write an article for a lifestyle magazine expressing your view.	☐
14	Animal Farm: The Commandments: How does Orwell use the changing commandments to show the corruption of the revolution?	"They knew they had only one chance." Write a narrative inspired by this idea.	☐
15	Animal Farm: Equality & Power: How does Orwell present the idea that power can destroy the promise of equality?	"We are becoming too obsessed with taking photos instead of enjoying real life." Write an article for a lifestyle website giving your perspective.	☐
16	Power + Conflict Poetry: Compare the psychological impact of conflict in War Photographer and one other poem.	Describe a setting at sunrise, capturing the gradual transformation of light and colour. Focus on sensory detail and mood.	☐
17	Power + Conflict Poetry: Compare how power struggle is presented as inevitable in London and one other poem.	"Every young person should volunteer in their community at least once a year." Write a speech encouraging your peers to take action.	☐
18	Power + Conflict Poetry: Compare how power of nature is used to explore human struggle in Storm on the Island and one other poem.	"The sound echoed through the darkness." Write a narrative that builds suspense around this moment.	☐
19	Power + Conflict Poetry: Compare the conflict between personal identity and societal control in Emigree and one other poem.	"Technology is isolating us more than it is connecting us." Write a letter to a national newspaper explaining your point of view.	☐
20	Power + Conflict Poetry: Compare how systems of oppression are exposed in Checking Out Me Hirsory and one other poem.	Describe a place that feels alive with energy and movement. Focus on atmosphere, pace, and sensory detail.	☐



SCIENCE • 20 REVISION PRIORITIES
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	Foundation	Higher	Triple	RAG
1	BIOLOGY: Required Practical: Use a light microscope to observe, draw & label cells; calculate magnification.		Osmosis Required Practical	☐
2	CHEMISTRY: Atoms, ions, electronic structure, group trends Required Practical: making salt		Photosynthesis RP	☐
3	PHYSICS: Energy stores, efficiency, insulation. Required Practical: Investigate effectiveness of insulation		Enzymes RP	☐
4	BIOLOGY: Digestive system and circulatory system, heart, blood. Required Practical: Food tests (nutrients), effect of pH on amylase.		Food Tests RP	☐
5	CHEMISTRY: Ionic, covalent, metallic bonding		Microscopy RP	☐
6	PHYSICS: Circuits, resistance. Required Practicals: Resistance of components I-V characteristics		Making Salts RP	☐
7	Biology - Osmosis RP: Investigating Osmosis	BIOLOGY: Pathogens, immunity, vaccination, antibiotics.	Titration RP	☐
8	CHEMISTRY: Conservation of mass, moles, concentration		Temperature changes	☐
9	PHYSICS: Density, changes of state, specific heat capacity. Required Practicals: Density of solids and liquids. Specific heat capacity		Comparison between Ionic, covalent and metallic bonding	☐
10	BIOLOGY: Photosynthesis, respiration. Required Practical: Photosynthesis (light intensity).		Simple and covalent bonding	☐
11	CHEMISTRY: Reactivity series, electrolysis, making Required Practicals: Electrolysis		Mole calculations Including atom economy and percentage yield	☐
12	PHYSICS: Radiation, half-life, hazards.		Specific heat capacity RP	☐
13	BIOLOGY: Homeostasis, endocrine system, diabetes		Thermal insulation RP	☐
14	CHEMISTRY: Exothermic/endothermic reactions. Required Practical: Temperature changes in reactions.		Hooke's law	☐
15	PHYSICS: Newton's laws, terminal velocity.		Resistance in a wire RP	☐
16	BIOLOGY: DNA, genetics, Punnett squares, evolution, selective breeding.		Kidney function and treatment	☐
17	CHEMISTRY: Catalysts, collision theory. Required Practical: Effect of concentration on rate.		Density RP	☐
18	PHYSICS: Wave properties, EM spectrum, sound. Required Practical: Waves using ripple tanks		Types of radiation and decay equations	☐
19	BIOLOGY: Ecosystems, food chains, biodiversity, pollution. Required Practical: Quadrats & transects (population sampling).		Glucose and diabetes	☐
20	Chromatography, gas tests. Required Practical: Chromatography.		Biology - Culturing bacteria and aseptic technique	☐