

# YEAR 11 ASSESSMENT MANIFEST



## CORE SUBJECTS - AUTUMN EXAMS

NAME:

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## **Assessment Manifests - What I need to know**

### **What is an Assessment Manifest?**

An Assessment Manifest is a personalised revision checklist for an examination. This booklet includes a list of your subjects with specific revision information for your upcoming summer examinations.

### **Why do I use this?**

There is so much information you need to know for your summer GCSEs, this allows you to keep track of what you do and do not know, as well as ensuring you spread revision out throughout the year.

### **How do I use this?**

You use this booklet as a checklist of your revision. By tracking your revision, you can easily tell if there is something you have studied more, or less. This is great for you to take charge of your own learning and make sure you are successful. From the example below, you can see the student is tracking their revision with codes, and they can see what they have and have not revised so far.

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

## English Language Revision Checklist.

Please note for November PPEs you will need to revise Language Paper 2 skills with Lord of the Flies and the Love and Relationships for Literature. February PPEs will involve a full series.

Topic	Suggested Revision	Revision Code and Date					
Language Papers							
Paper 1 - Section A question 1 Information retrieval	Mr Bruff for example: <a href="#">AQA English Language Paper 1 Question 1 (2024 onwards) - YouTube</a>						
Paper 1 - Section A question 2 language analysis	Mr Bruff for example: <a href="#">AQA English Language Paper 1 Question 2 (2024 onwards) - YouTube</a>						
Paper 1 - Section A question 3 structure	Mr Bruff for example: <a href="#">AQA English Language Paper 1 Question 3 (2024 onwards) - YouTube</a>						

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Paper 1- Section A question 4 evaluation of a text against a statement	Youtube Mr Bruff for example. AQA English Language Paper 1 Question 4 Mr Bruff student exemplar. Mr Salles updated Question 4 Paper 1 Walk Through								
Paper 1 - Section B creative writing	Youtube Mr Bruff and Mr Salles both do a variety of tutorials with tips and hints to improve grades. Simply actively watch by making bullet point notes or use Cornell notes for takeaways.								
Both - Spelling, punctuation and grammar revision - brush up on your essentials with these free courses.	Seneca learning KS3 SPAG Spelling 1.1+ Punctuation 2.1+ Grammar 3.1+ Seneca learning KS3 SPAG standardised assessments.								
Paper 2 -revise with Mr Salles - he explains the whole paper	Mr Salles <a href="#">Revise Paper 2 AQA Language Mr Salles - YouTube</a>								
Paper 2 Section A question 1 - Identify 4 true statements through close reading	Mr Bruff <a href="#">AOA English Language Paper 2 Question 1 (2024 onwards) - YouTube</a>								

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Paper 2 Section A Synthesis/summary of a text - question 2	Mr Bruff <a href="#">AQA English Language Paper 2 Question 2 (2024 onwards) - YouTube</a>								
Paper 2 Section A question 3 Language analysis	Mr Bruff <a href="#">AQA English Language Paper 2 Question 3 (2024 onwards) - YouTube</a>								
Paper 2 Section A question 4 comparing writer's attitudes and methods	Mr Bruff <a href="#">AQA English Language Paper 2 Question 4 (2024 onwards) - YouTube</a>								
Paper 2 -Section B non fiction writing - Grade 9 student exemplar	Mr Bruff <a href="#">AQA English Language Paper 2 Question 5 (2024 onwards) - YouTube</a> <a href="#">AQA English Language Paper 2 Question 5: Student Exemplar - YouTube</a>								
Mr Bruff and Mr Salles both do a wide range of <b>free</b> tutorials for every topic of AQA Language Paper 1 and 2. You can use Cornell Notes to record your	Youtube								

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takeaway points from each tutorial.									
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## English Literature Revision Checklist

Topic	Revision Codes and Dates					
<b>Lord of the Flies</b>						
Quotations: Seneca revision AQA Lord of the Flies Quotations. Use this to drill quotation knowledge.						
Main plot events: chapter analysis Mr Bruff <a href="#">'Lord of the Flies': Darwinian, Biblical and Freudian Analysis - YouTube</a>						
Plot Summary Dr Aidan Elliot <a href="#">Lord of the Flies: Summary - YouTube</a>						
Themes: Tutoring with Gavin <a href="#">GCSE English Literature Exam Revision: Lord of the Flies - Themes - YouTube</a>						
10 key quotes: Dr Aidan <a href="#">The 10 Most Important Quotes in Lord of the Flies - YouTube</a>						
Context: Darwinian, biblical and freudian analysis <a href="#">'Lord of the Flies': Darwinian, Biblical and Freudian Analysis - YouTube</a>						

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Sparknotes plot revision <a href="#">Video SparkNotes: William Golding's Lord of the Flies summary - YouTube</a>									
Champions Revision Booklets -revise the plot by reading the chapter synopsis and answer 10 questions on each chapter- can be used for LSQs									
<b>A Christmas Carol</b>									
Quotations: Seneca revision AQA A Christmas Carol Quotations - use these to drill quotation knowledge.									
Stave 1-5: key quotations DystopiaJunkie <a href="#">Scrooge in Stave One: Key Quotations and Analysis - YouTube</a>									
Plot: Staves 1-5 summary DystopiaJunkie <a href="#">A Christmas Carol: Stave One Summary - DystopiaJunkie GCSE English Revision Hints and Tips - YouTube</a>									
Characters: DystopiaJunkie e.g Marley <a href="#">Jacob Marley: Key Quotations and Analysis - YouTube</a>									
Context: British Library <a href="#">The origins of A Christmas Carol - Bing video</a>									
ACC Top 10 quotes Dr Aidan <a href="#">The 10 Most Important Quotes in A Christmas Carol - YouTube</a>									
AQA A Christmas Carol Mr Bruff tutorials on Youtube e.g. <a href="#">Ebenezer Scrooge: Character Analysis - 'A Christmas Carol' - YouTube</a> (16 tutorials covering Character and themes)									
Champions Revision Booklets. To refresh the plot, read the Stave synopsis and answer the 10 questions. These can be used for LSQs									



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<b>Macbeth</b>									
Quotations: Seneca revision AQA Macbeth quotations. Use this to drill quotation knowledge.									
Your scene anthology which has your class note annotations!									
Main plot summary: <a href="#">Video SparkNotes: Shakespeare's Macbeth summary - YouTube</a>									
Characters: Mr Bruff <a href="#">Character Analysis: Macbeth - YouTube</a> (5 videos). Also Dr Aidan Elliot e.g. <a href="#">Macbeth: Character Analysis of Macbeth + Key Quotes - YouTube</a>									
Themes: Dr Aidan Elliot- 3 tutorials starting with ' <a href="#">Appearance and Reality</a> ' in <a href="#">Macbeth: Key Quotes &amp; Analysis - YouTube</a> (also looks at fate, appearance v.reality)									
10 Key quotations Dr Aidan: <a href="#">The 10 Most Important Quotes in Macbeth - YouTube</a>									
Context: Tutoring with Gavin <a href="#">GCSE English Literature Exam Revision: Macbeth - Context - YouTube</a> Schooling online <a href="#">Macbeth Contextual Analysis - Shakespeare lesson - YouTube</a>									
Macbeth revision mindmap <a href="#">"Macbeth" Revision: Mindmap Of Context, Characters, Themes &amp; Quotes!   English GCSE Mocks! - YouTube</a>									

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Champions' Revision Booklets to refresh the plot. Simply read the plot synopsis and answer the 10 questions. These can also be used for LSQs									
<b>Unseen Poetry</b>									
Unseen poetry: part 1 Mr Bruff <a href="https://www.youtube.com/watch?v=_oKY_RRM-Wg">https://www.youtube.com/watch?v=_oKY_RRM-Wg</a>									
Unseen Poetry: part 2 Mr Bruff First poem analysis 24 marks <a href="https://www.youtube.com/watch?v=2gwU26kNKGM">https://www.youtube.com/watch?v=2gwU26kNKGM</a>									
Unseen poetry: Part 3 Mr Bruff Comparison of second poem 8 Marks <a href="https://www.youtube.com/watch?v=XXGogtEf-Rk">https://www.youtube.com/watch?v=XXGogtEf-Rk</a>									
Tackling AQA unseen poetry tutorials with Mr Bruff on Youtube. Watch and record takeaways in your Cornell notes booklets.									
<b>AQA Love and Relationships Anthology</b>									
Key quotations: Seneca revision AQA L&R quotations									
Poems: your annotated anthology									
AQA poems revision mindmap FirstRate tutors <a href="#">Love &amp; Relationships Poetry Revision: Mind Map Of All 15 Poems!</a> <a href="#">English GCSE Mock Exams Revision! - YouTube</a>									
AQA Love and Relationships Poetry tutorials on Youtube with Mr Bruff Watch the tutorials for the entire anthology and									

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record your takeaways in your Cornell Notes booklet. For example <a href="#">Lord Byron: 'When We Two Parted' Mr Bruff Analysis - YouTube</a> (but he covers every one.)						
Champions Revision Booklet - simply reread the poem and then answer the questions to help you revise the form, structure, techniques and language of each poem. These can be used for LSQs.						

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## Maths Foundation Sparx Revision Checklist

Foundation Paper 1 Topics	Sparx Code	Complete?
Converting between fractions, decimals and percentages	U888	<input type="checkbox"/>
Finding fractions of shapes	U679	<input type="checkbox"/>
Understanding and ordering decimals	U435	<input type="checkbox"/>
Adding and subtracting with negative numbers	U742	<input type="checkbox"/>
Solving equations with one step	U755	<input type="checkbox"/>
Identifying parts of circles	U767	<input type="checkbox"/>
Finding factors and using divisibility tests	U211	<input type="checkbox"/>
Angles on a line and about a point	U390	<input type="checkbox"/>
Understanding, measuring and drawing angles	U447	<input type="checkbox"/>
Reading and plotting coordinates	U789	<input type="checkbox"/>
Calculating midpoints	U933	<input type="checkbox"/>
Plotting horizontal and vertical lines	M797	<input type="checkbox"/>
Use a written method to multiply decimals, Solve direct proportion word problems	U293, U721	<input type="checkbox"/>

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Adding and subtracting with integers	U417	<input type="checkbox"/>
Estimating calculations	U225	<input type="checkbox"/>
Calculating the mean	U291	<input type="checkbox"/>
Simplifying algebraic fractions by cancelling common factors	U103	<input type="checkbox"/>
Simplifying expressions by collecting like terms	U105	<input type="checkbox"/>
Factorising into one bracket	U365	<input type="checkbox"/>
Finding percentages of amounts without a calculator	U554	<input type="checkbox"/>
Converting between ratios, fractions and percentages	U176	<input type="checkbox"/>
Finding percentages of amounts, Finding fractions of amounts	U554, U881	<input type="checkbox"/>
Multiplying fractions	U475	<input type="checkbox"/>
Solving direct proportion word problems	U721	<input type="checkbox"/>
Adding & subtracting integers, Writing numbers as percentages of other numbers	U417, U925	<input type="checkbox"/>
Using algebraic notation	U613	<input type="checkbox"/>
Position-to-term rules for arithmetic sequences	U498	<input type="checkbox"/>
Using a written method to divide with decimals	U868	<input type="checkbox"/>
Adding and subtracting mixed numbers	U793	<input type="checkbox"/>
Find the surface area of cubes & cuboids, Find the volume of cubes & cuboids	U929, U786	<input type="checkbox"/>

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Drawing and interpreting frequency polygons	U840	<input type="checkbox"/>
Venn diagrams	U476	<input type="checkbox"/>
Venn diagrams with set notation	U748	<input type="checkbox"/>
Interpreting scatter graphs	U277	<input type="checkbox"/>
Using lines of best fit	U128	<input type="checkbox"/>
Finding original values in percentage calculations	U286	<input type="checkbox"/>
Finding the volume of cylinders, Calculating with pressure	U915, U527	<input type="checkbox"/>
Solving simultaneous equations graphically	U836	<input type="checkbox"/>
Index rules with positive indices, Index rules with negative indices	U235, U694	<input type="checkbox"/>
Using the exact values of trigonometric ratios	U627	<input type="checkbox"/>
Tree diagrams for independent events	U558	<input type="checkbox"/>

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Foundation Paper 2 Topics	Sparx Code	Complete?
Rounding integers	U480	<input type="checkbox"/>
Converting between fractions, decimals and percentages	U888	<input type="checkbox"/>
Converting units of length, mass and capacity	U388	<input type="checkbox"/>
Using algebraic notation	U613	<input type="checkbox"/>
Finding the lowest common multiple	U751	<input type="checkbox"/>
Using probability phrases	U803	<input type="checkbox"/>
Estimating and measuring	U102	<input type="checkbox"/>
Understanding, measuring and drawing angles	U447	<input type="checkbox"/>
Line and shape properties	U121	<input type="checkbox"/>
Drawing and interpreting scale diagrams	U257	<input type="checkbox"/>
Term-to-term rules	U213	<input type="checkbox"/>
Writing and simplifying ratios	U687	<input type="checkbox"/>
Using and interpreting linear real-life graphs	U638	<input type="checkbox"/>
Use & interpret linear real-life graphs, Read, convert & calculate with time	U638, U902	<input type="checkbox"/>
Interpreting frequency tables and two-way tables	U981	<input type="checkbox"/>
Reflection	U799	<input type="checkbox"/>

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Finding fractions of amounts with a calculator						U916		<input type="checkbox"/>	
Find volumes of cubes and cuboids, Convert units of length, mass and capacity						U786, U388		<input type="checkbox"/>	
Writing probabilities as fractions, Ordering fractions						U408, U746		<input type="checkbox"/>	
Calculating with speed						U151		<input type="checkbox"/>	
Calculating the mean						U291		<input type="checkbox"/>	
Solving direct proportion word problems						U721		<input type="checkbox"/>	
Frequency trees						U280, U295		<input type="checkbox"/>	
Using a calculator						U926		<input type="checkbox"/>	
Prime factor decomposition						U739		<input type="checkbox"/>	
Sharing amounts in a given ratio						U577		<input type="checkbox"/>	
Reading and drawing inequalities on number lines						U509		<input type="checkbox"/>	
Solving single inequalities						U759		<input type="checkbox"/>	
Area of triangles, Area of rectangles, Constructing and solving equations						U945, U226, U599		<input type="checkbox"/>	
Find percentages of amounts with a calculator, Share amounts in a given ratio						U349, U577		<input type="checkbox"/>	
Finding error intervals						U657		<input type="checkbox"/>	
Compound interest calculations						U332		<input type="checkbox"/>	
Graphs of quadratic, cubic and reciprocal functions						U989, U980, U593		<input type="checkbox"/>	



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Foundation Paper 3 Topics	Sparx Code	Complete?
Understanding and ordering integers	U600	<input type="checkbox"/>
Converting between fractions, decimals and percentages	U888	<input type="checkbox"/>
Simplifying expressions containing a single variable	U105	<input type="checkbox"/>
Converting units of length, mass and capacity	U388	<input type="checkbox"/>
Ordering negative numbers	U947	<input type="checkbox"/>
Finding areas using grids	M900	<input type="checkbox"/>
Finding perimeters using grids	M920	<input type="checkbox"/>
Using probability phrases	U803	<input type="checkbox"/>
Probabilities of mutually exclusive events	U638	<input type="checkbox"/>
Line and shape properties	U121	<input type="checkbox"/>
Properties of 3D shapes	U719	<input type="checkbox"/>
Calculating the median	U456	<input type="checkbox"/>
Calculating the range	U526	<input type="checkbox"/>
Drawing bar charts	U363	<input type="checkbox"/>

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Reading, converting and calculating with time	U902	<input type="checkbox"/>
Constructing and solving equations	U599	<input type="checkbox"/>
Finding averages from diagrams	U854	<input type="checkbox"/>
Interpreting pie charts	U172	<input type="checkbox"/>
Interpreting distance-time graphs	U914	<input type="checkbox"/>
Plotting distance-time graphs	U403	<input type="checkbox"/>
Calculating speed from distance-time graphs	U462	<input type="checkbox"/>
Solving direct proportion word problems	U721	<input type="checkbox"/>
Using equivalent ratios to find unknown amounts	U753	<input type="checkbox"/>
Rotation	U696	<input type="checkbox"/>
Measuring and drawing bearings, Drawing and interpreting scale diagrams	U525, U257	<input type="checkbox"/>
Solving equations with two or more steps	U325	<input type="checkbox"/>
Simple interest calculations	U533	<input type="checkbox"/>
Simplifying expressions using index laws	U662	<input type="checkbox"/>
Expanding single brackets	U179	<input type="checkbox"/>
Finding percentages of amounts with a calculator	U349	<input type="checkbox"/>
Angles on parallel lines, Geometric proofs with angle facts	U826, U471	<input type="checkbox"/>

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Solving inverse proportion word problems	U357	<input type="checkbox"/>
Finding the HCF and LCM using prime factor decomposition	U520	<input type="checkbox"/>
Calculating with rates, Reading, converting and calculating with time	U256, U902	<input type="checkbox"/>
Interpreting graphs of quadratic functions	U667	<input type="checkbox"/>
Solving quadratic equations graphically	U601	<input type="checkbox"/>
Calculating with density	U910	<input type="checkbox"/>
Writing and simplifying ratios, Standard form with a calculator	U687, U161	<input type="checkbox"/>
Using standard form with negative indices	U534	<input type="checkbox"/>

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## Maths Higher Sparx Revision Checklist

Higher Paper 1 Topics	Sparx Code	Complete?
Using a written method to divide with decimals	U868	<input type="checkbox"/>
Adding and subtracting mixed numbers	U793	<input type="checkbox"/>
Find the surface area of cubes and cuboids, Find the volume of cubes and cuboids	U929, U786	<input type="checkbox"/>
Drawing and interpreting frequency polygons	U840	<input type="checkbox"/>
Venn diagrams	U476	<input type="checkbox"/>
Venn diagrams with set notation	U748	<input type="checkbox"/>
Interpreting scatter graphs	U277	<input type="checkbox"/>
Using lines of best fit	U128	<input type="checkbox"/>
Finding original values in percentage calculations	U286	<input type="checkbox"/>
Finding the volume of cylinders, Calculating with pressure	U915, U527	<input type="checkbox"/>
Solving simultaneous equations graphically	U836	<input type="checkbox"/>
Angles in polygons, Constructing and solving equations	U427, U599	<input type="checkbox"/>

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Simplifying expressions using index laws	U662	<input type="checkbox"/>
Tree diagrams for independent events	U558	<input type="checkbox"/>
Constructing direct proportion equations	U407	<input type="checkbox"/>
Index rules with negative indices	U694	<input type="checkbox"/>
Indices of the form $a/b$	U772	<input type="checkbox"/>
Interpret equations of straight lines, Equations of parallel & perpendicular lines	U669 U898	<input type="checkbox"/>
Finding the surface area of spheres, Simplifying surds	U893, U338	<input type="checkbox"/>
Changing the subjects of formulae	U556	<input type="checkbox"/>
Calculating with ratios and algebra	U676	<input type="checkbox"/>
Using the product rule for counting	U369	<input type="checkbox"/>
Finding inverse functions	U996	<input type="checkbox"/>
Finding composite functions	U448	<input type="checkbox"/>
Circle theorems	U459, U489	<input type="checkbox"/>
Trigonometry in 3D shapes, Using the exact values of trigonometric ratios (Higher)	U170, U319	<input type="checkbox"/>
Rationalising denominators containing two terms	U281	<input type="checkbox"/>
Solving quadratic inequalities	U133	<input type="checkbox"/>

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Higher Paper 2 Topics	Sparx Code	Complete?
Using a calculator	U926	<input type="checkbox"/>
Prime factor decomposition	U739	<input type="checkbox"/>
Sharing amounts in a given ratio	U577	<input type="checkbox"/>
Reading and drawing inequalities on number lines	U509	<input type="checkbox"/>
Solving single inequalities	U759	<input type="checkbox"/>
Area of triangles, Area of rectangles, Constructing and solving equations	U945, U226, U599	<input type="checkbox"/>
Find percentages of amounts with a calculator, Share amounts in a given ratio	U349, U577	<input type="checkbox"/>
Finding error intervals	U657	<input type="checkbox"/>
Compound interest calculations	U332	<input type="checkbox"/>
Drawing cumulative frequency graphs	U182	<input type="checkbox"/>
Interpreting cumulative frequency graphs	U642	<input type="checkbox"/>
Calculating experimental probabilities, Tree diagrams for independent events	U580, U558	<input type="checkbox"/>
Calculating experimental probabilities	U580	<input type="checkbox"/>

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Solving simultaneous equations using elimination	U760	<input type="checkbox"/>
Using Pythagoras' theorem in 2D, Finding the circumference of circles	U385, U604	<input type="checkbox"/>
The sine rule	U952	<input type="checkbox"/>
Simplifying algebraic fractions by factorising into two brackets	U294	<input type="checkbox"/>
Position-to-term rules for quadratic sequences	U206	<input type="checkbox"/>
Drawing histograms with unequal class widths, Interpreting histograms	U814, U983	<input type="checkbox"/>
Interpreting histograms	U983	<input type="checkbox"/>
Finding approximate solutions to equations using iteration	U168	<input type="checkbox"/>
Combining ratios, Calculating with ratios and algebra	U921, U676	<input type="checkbox"/>
Finding bounds for calculations, Finding unknown angles in right-angled triangles	U587, U545	<input type="checkbox"/>
Solving geometric problems using vectors	U781	<input type="checkbox"/>
Transforming graphs	U455	<input type="checkbox"/>
Tree diagrams for independent events	U558	<input type="checkbox"/>
Finding the perimeter and area of similar shapes	U630	<input type="checkbox"/>
Pythagoras' theorem, Expanding brackets with surds, Area of rectangles	U385, U499, U934	<input type="checkbox"/>

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Higher Paper 3 Topics	Sparx Code	Complete?
Simplifying expressions using index laws	U662	<input type="checkbox"/>
Expanding single brackets	U179	<input type="checkbox"/>
Finding percentages of amounts with a calculator	U349	<input type="checkbox"/>
Angles on parallel lines, Geometric proofs with angle facts	U826, U471	<input type="checkbox"/>
Solving inverse proportion word problems	U357	<input type="checkbox"/>
Finding the HCF and LCM using prime factor decomposition	U520	<input type="checkbox"/>
Calculating with rates, Reading, converting and calculating with time	U256, U902	<input type="checkbox"/>
Interpreting graphs of quadratic functions	U667	<input type="checkbox"/>
Solving quadratic equations graphically	U601	<input type="checkbox"/>
Calculating with density	U910	<input type="checkbox"/>
Finding percentages of amounts with a calculator	U349	<input type="checkbox"/>
Finding unknown sides in right-angled triangles	U283	<input type="checkbox"/>
Drawing box plots	U879	<input type="checkbox"/>
Comparing populations using box plots and cumulative frequency graphs	U507	<input type="checkbox"/>
Expanding triple brackets	U606	<input type="checkbox"/>



## Revision Codes

F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision
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Writing algebraic proofs	U582	<input type="checkbox"/>
The cosine rule, Finding the area of sectors	U591, U373	<input type="checkbox"/>
Factorising the difference of two squares	U963	<input type="checkbox"/>
Factorising the difference of two squares, Writing algebraic proofs	U582	<input type="checkbox"/>
Enlargement by a positive or negative scale factor	U134	<input type="checkbox"/>
Estimating gradients of non-linear graphs using tangents	U800	<input type="checkbox"/>
Calculating speed from distance-time graphs	U462	<input type="checkbox"/>
Finding the surface area of frustums	U334	<input type="checkbox"/>
Graphs of exponential functions	U229	<input type="checkbox"/>
Converting recurring decimals to fractions	U689	<input type="checkbox"/>
Factorising to solve quadratic equations, Adding & subtracting algebraic fractions	U960, U685	<input type="checkbox"/>
Identifying parallel vectors, Constructing and solving simultaneous equations	U660, U137	<input type="checkbox"/>
Equations of circles and tangents	U567	<input type="checkbox"/>
Calculating with ratios and algebra, Multiplying algebraic fractions	U676, U457	<input type="checkbox"/>

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

## Combined Science Revision Checklist - Paper 1 Topics

Topic	CGP guide pages F tier	CGP guide pages H-tier	Revision Code and Date					
<b>Biology Paper 1</b>								
<b>Cell Biology - Seneca Biology - Topic 1</b>								
Cells 1 - Cells, Microscopy, <b>RP - Using Microscopes</b> , Specialisation, Mitosis, Stem cells	F - CGP 11-16	H - CGP - 11-16						
Cells 2 - Cell transport - Diffusion, Osmosis, <b>RP - Osmosis</b> , Active transport, Exchanging substances at exchange surfaces	F - CGP 17-22	H - CGP - 17-22						
<b>Organisation - Seneca Biology - Topic 2</b>								
Organisation 1 - Cells, tissues, organs, Digestion, Enzymes, <b>RP - Enzymes and pH</b> , Enzymes in digestion, Bile, Required practical - Food tests	F - CGP 24-28	H -CGP - 24-29						
Organisation 2 - The Lungs, The Heart, Blood vessels, Blood	F - CGP 29-32	H - CGP - 30-33						
Organisation 2 - Health and non-communicable diseases (coronary heart disease, cancer, risk factors)	F -CGP 33-37	H - CGP - 36 - 38						
Organisation 2 - Plant transport (xylem, phloem, transpiration)	F - CGP 38-40	H - CGP - 39-41						

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

<b>Infection and Response - Seneca Biology - Topic 3</b>									
Infection and Response - Communicable diseases: bacterial diseases, viral diseases, fungal diseases, protist diseases	F-CGP 42- 45	H -CGP- 43-45							
Infection and Response - Immune response and vaccination	CGP F - 46-47	CGP H- 46-47							
Infection and Response - Antibiotics and painkillers, Development and testing drugs	CGP F 48-49	CGP H - 48-49							
<b>Bioenergetics - Seneca Biology - Topic 4</b>									
Bioenergetics 1 - Photosynthesis, Rate of photosynthesis, <b>RP - The effect of light intensity on photosynthesis</b> , Uses of glucose from photosynthesis	F - CGP - 50-52	H - CGP - 50-53							
Bioenergetics 2 - Respiration and metabolism, Aerobic and anaerobic respiration, response to exercise	F - CGP - 53-55	H - CGP - 54-56							
<b>Chemistry Paper 1</b>									
<b>Atomic Structure (and the Periodic Table) - Seneca Chemistry - Topic 1</b>									
Atomic Structure and the Periodic table 1 - Elements, Compounds, Mixtures and Separation techniques	F - CGP - 96-103	H - CGP - 97-102							
Atomic Structure and the Periodic table 1 - Atomic structure and history of the atom	F - CGP - 104-105	H - CGP - 96, 103-104							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Atomic Structure and the Periodic table 2 - Development of the periodic table, Metals and non-metals, Group 1, Group 7, Group 0 elements	F - CGP - 107-111	H - CGP - 105-110							
<b>Chemical Bonding - Seneca Chemistry - Topic 2</b>									
Bonding, Structure and the properties of matter - Ions, Ionic bonding, Ionic compounds, properties of ionic compounds Covalent bonding, simple molecules, properties of simple molecules	F - CGP - 113-117	H - CGP - 112-116							
Bonding, Structure and the properties of matter - Polymers, giant covalent structures, Structures of carbon, Metallic bonding, States of matter, Changing state	F - CGP - 118 - 122	H - CGP - 117-121							
<b>Quantitative Chemistry - Seneca Chemistry - Topic 3</b>									
Quantitative Chemistry - Relative Formula mass, Conservation of mass, Percentage of an element in a compound, Concentrations of solutions <b>Higher tier only</b> - Moles, Balancing equations using reacting masses, Limiting reactants	F - CGP - 123-127	H - CGP - 123-128							
<b>Chemical Changes - Seneca Chemistry - Topic 4</b>									
Chemical changes 1 - Acid/base reactions, Reactions of acids, Oxidation and reduction reactions, Reactivity and extraction of metals, <b>RP - Making a pure dry salt from an insoluble metal oxide or metal carbonate</b>	F - CGP - 128-131	H - CGP - 129-134							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Chemical changes 2 - Electrolysis, <b>RP - Electrolysis of aqueous solutions</b>	F - CGP 132-133	H -CGP - 135-136							
<b>Energy changes - Seneca Chemistry - Topic 5</b>									
Energy changes - Exothermic, endothermic reactions and reaction profiles, <b>RP - Measuring temperature changes in reacting solutions</b>	F - CGP - 134-136	H - CGP - 138-139							
Energy changes - <b>Higher tier only</b> - Bond energy calculations		H - CGP - 140							
<b>Physics Paper 1</b>									
<b>Energy - Seneca Physics - Topic 1</b>									
Energy 1 - Energy stores and transfers, calculating $E_k$ , $E_p$ , $E_e$ , <b>RP - Specific heat capacity and energy transfer</b>	F&H -CGP - 167-169	H -CGP - 167-169							
Energy 1 - Power, efficiency and reducing unwanted transfers	F -CGP 170-174	H -CGP - 170-172							
Energy 2 - National and global energy resources	F-CGP 175- 179	H-CGP - 173-177							
<b>Electricity - Seneca Physics - Topic 2</b>									
Electricity 1 - Current, charge, potential difference, Resistance, <b>RP1 - Investigating the resistance of a length of wire</b> , and I-V relationships, <b>RP2 - Using circuits to investigate I-V relationships in a bulb, diode, fixed resistor</b>	F-CGP 180- 184	H-CGP - 179-182							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Electricity 1 - Series and Parallel circuits, <b>RP - investigating resistance in series and parallel circuits</b>	F-CGP 185- 187	H-CGP - 183-185							
Electricity 2 - Electricity in the home (ac,dc and mains electricity), Power and energy transfers in appliances, The National Grid	F - CGP - 188-191	H - CGP - 186-189							
<b>The Particle Model - Seneca Physics - Topic 3</b>									
Particle Model of Matter - Particle model, Density, <b>RP - Density of regular and irregular objects</b> , Motion in gases, Gas Pressure	F - CGP - 193-194	H -CGP 191 - 192							
Particle Model of Matter - Internal energy, Changes of state, Specific heat capacity, Specific latent heat	F - CGP - 195-195	H - CGP - 193-194 & 169							
<b>Atoms &amp; Radiation - Seneca Physics - Topic 4</b>									
Atomic Structure - Models of the atom, Isotopes, Nuclear radiation, Nuclear equations	F - CGP - 197-199	H - CGP - 194-198							
Atomic Structure - Half life, irradiation and contamination	F - CGP - 200-201	H - CGP - 198-199							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

## Combined Science Revision Checklist - Paper 2 Topics

Topic	CGP guide pages - F tier	CGP guide pages - H tier	Revision Code and Date						
<b>Biology Paper 2</b>									
<b>Homeostasis &amp; Response - Seneca Biology - Topic 5</b>									
Homeostasis and Response - Homeostasis, The nervous system, <b>RP - Investigating reaction time in humans</b>	F - CGP - 57-60	H - CGP - 58-61							
Homeostasis and Response - The endocrine system, Controlling blood glucose, <b>Higher tier only</b> - Adrenaline and thyroxine	F - CGP - 61-62	H - CGP - 62-63, 67							
Homeostasis and Response - Hormones and the reproductive system, Menstrual cycle, Contraception, <b>Higher tier only</b> - Using hormones to control fertility	F - CGP - 63-65	H - CGP - 64-66							
<b>Inheritance, Variation and Evolution - Seneca Biology - Topic 6</b>									
Inheritance, variation and evolution 1 - DNA, Sexual and asexual reproduction, Meiosis	F - CGP - 66-68	H - CGP - 68-70							
Inheritance, variation and evolution 1 - X and Y chromosomes, Genetic diagrams, Inherited disorders	F - CGP - 69-72	H - CGP - 71-74							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Inheritance, variation and evolution 2 - Variation, Evolution, Selective breeding, Genetic engineering	F -CGP 73, 74,77-78	H - CGP - 75-78							
Inheritance, variation and evolution 2 - Evidence for evolution: Fossils, Extinction, Antibiotic resistance	F -CGP - 75-76, 79	H - CGP - 79-80							
Inheritance, variation and evolution 2 - Classification	80	81							
<b>Ecology - Seneca Biology - Topic 7</b>									
Ecology 1 - Competition, Biotic and Abiotic factors, Adaptations, <b>RP - Sampling to estimate population size and measure distribution of organisms</b>	F-CGP 83-88	H-CGP-83-88							
Ecology 1 - Food chains, The water cycle, The carbon cycle	F - CGP 89-91	H -CGP 89-91							
Ecology 2 - Biodiversity, Waste management, Land use, Deforestation, Peat bogs, Global warming, Maintaining ecosystems and biodiversity	F - CGP 92-94	H - CGP 92-94							
<b>Chemistry Paper 2</b>									
<b>The Rate and Extent of Chemical Change - Seneca Chemistry - Topic 6</b>									
The Rate and Extent of Chemical Change 1 - Rate of reaction, Collision theory, Factors that affect rate of reaction	F - CGP 138-139	H - CGP - 142-143							
The Rate and Extent of Chemical Change 1 - Measuring rates of reaction, <b>RP - Measuring rate of reaction using volume of gas produced and change in turbidity or colour</b> , Finding rate of reaction from graphs	F - CGP 140-143	H - CGP - 144-146							



Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

The Rate and Extent of Chemical Change 2 - Reversible reactions, Equilibrium, Reversible reactions and exothermic and endothermic, <b>Higher tier only</b> - Le Chatelier's Principle	F- CGP-144	H -CGP - 147-148							
<b>Organic Chemistry - Seneca Chemistry - Topic 7</b>									
Organic Chemistry - Hydrocarbons, Properties of hydrocarbons, Combustion of hydrocarbons, Fractional distillation of crude oil, Uses and cracking of crude oil, Alkenes	F - CGP - 146-149	H - CGP - 150-152							
<b>Chemical Analysis - Seneca Chemistry - Topic 8</b>									
Chemical Analysis - Purity and formulations, Paper chromatography, <b>RP - Chromatography and calculating Rf values to identify different substances</b> , Tests for gases	F - CGP - 150-153	H - CGP - 153-155							
<b>Chemistry of the Atmosphere - Seneca Chemistry - Topic 9</b>									
Evolution of the Atmosphere - The Earth's current atmosphere, How the atmosphere has changed over time, Greenhouse gases and climate change, Carbon footprints and air pollution	F- CGP 155-158	H -CGP - 157-160							
<b>Using Resources - Seneca Chemistry - Topic 10</b>									
Using Resources - Finite and renewable resources, Reducing the use of resources (reduce, reuse, recycle), Life cycle assessments, Potable water, <b>RP - Analysis and</b>	F - CGP 159-165	H - CGP - 161-165							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

<b>purification of water samples</b> , Waste water, <b>Higher tier only</b> - Alternative methods of extracting metals									
<b>Physics Paper 2</b>									
<b>Forces - Seneca Physics - Topic 5</b>									
Forces 1 - Scalars and vectors, Contact and non contact forces, Weight Mass and Gravity, Resultant force, Calculating work done due to forces, <b>Higher tier only</b> : Resolving forces and vector diagrams	F - CGP - 203-205	H -CGP - 201-204							
Forces 1 - Forces and elasticity, <b>RP - Investigating the effect of a force applied on the extension of a spring</b>	F -CGP - 206-207	H -CGP - 205-206							
Forces 2 - Distance & displacement, Speed & velocity, Acceleration, Terminal velocity, Distance/time graphs, Velocity/time graphs	F-CGP 208-211	H-CGP - 207-210							
Forces 2 - Newton's Three Laws, <b>Higher tier only</b> - Inertia, <b>RP - Investigating motion: the effect of varying the force on the acceleration of an object with constant mass, the effect of varying the mass on the acceleration of an object with constant force</b>	F - CGP - 212-213	H - CGP - 211-213							
Forces 2 - Stopping distances, Reaction times, <b>Higher tier only</b> : Momentum	F - CGP - 214-217	H-CGP - 214-216							
<b>Waves - Seneca Physics - Topic 6</b>									
Waves - Transverse and longitudinal waves, Wave behaviour, <b>RP - Measuring the frequency, wavelength</b>	F-CGP 219-222	H-CGP - 218-221							

## Revision Codes

F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision
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<b>and wave speed of a wave in liquids and solids, Refraction</b>									
Waves - Electromagnetic waves: Types of EM waves, Uses of EM waves, <b>RP - Investigating infra-red waves being emitted or absorbed by a surface</b> , Dangers of EM	F-CGP 223-227	H-CGP -223-226							
<b>Magnetism - Seneca Physics - Topic 7</b>									
Magnetism and Electromagnetism - Permanent and induced magnets, Magnetic fields, Electromagnetism, <b>Higher tier only</b> - The Motor effect, Electric motors	F - CGP - 229-230	H -CGP -227-230							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

## Separate Science Revision Checklist - Paper 1 topics

Topic	CGP guide pages	Revision Code and Date					
<b>GCSE Biology Paper 1</b>							
<b>Cell Biology - Seneca Biology - Topic 1</b>							
Cells 1 - Cells, Microscopy, <b>RP - Using Microscopes</b> , Cell Specialisation, Cell differentiation, Mitosis, Stem cells, <b>Biology only: Culturing microorganisms, RP - Culturing microorganisms</b>	CGP - 11-19						
Cells 2 - Cell transport - Diffusion, Osmosis, <b>RP - Osmosis</b> , Active transport, Exchanging substances at exchange surfaces	CGP - 20-25						
<b>Organisation - Seneca Biology - Topic 2</b>							
Organisation 1 - Cells, tissues, organs, Digestion, <b>RP - Food tests</b> , Enzymes, <b>RP - Enzymes and pH</b> , Enzymes in digestion, Bile	CGP - 27-32						
Organisation 2 - The Lungs, The Heart, Blood vessels, Blood	CGP - 33-36						
Organisation 2 - Health and non-communicable diseases (coronary heart disease, cancer, risk factors)	CGP - 37-41						
Organisation 2 - Plant transport (xylem, phloem, transpiration)	CGP - 42-44						
<b>Infection and Response - Seneca Biology - Topic 3</b>							

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Infection and Response - Communicable diseases: bacterial diseases, viral diseases, fungal diseases, protist diseases	CGP - 46-48								
Infection and Response - Immune response and vaccination	CGP - 49-50								
Infection and Response - Antibiotics and painkillers, Development and testing drugs, <b>Biology only:</b> monoclonal antibodies	CGP - 51-54								
Infection and Response - <b>Biology only:</b> Plant disease and defences	CGP - 55-56								
<b>Bioenergetics - Seneca Biology - Topic 4</b>									
Bioenergetics 1 - Photosynthesis, Rate of photosynthesis, <b>RP - The effect of light intensity on photosynthesis</b> , Uses of glucose from photosynthesis	CGP - 57-58								
Bioenergetics 2 - Respiration and metabolism, Aerobic and anaerobic respiration, Response to exercise	CGP - 61-63								
<b>GCSE Chemistry Paper 1</b>									
<b>Atomic Structure (and the Periodic Table) - Seneca Chemistry - Topic 1</b>									
Atomic Structure and the Periodic table 1 - Elements, Compounds, Mixtures and Separation techniques	CGP - 12-18								
Atomic Structure and the Periodic table 1 - Atomic structure and history of the atom	CGP - 19-20								
Atomic Structure and the Periodic table 2 - Development of the periodic table, Metals and non-metals, Group 1, Group 7, Group 0 elements, <b>Chemistry only:</b> Transition metals	CGP - 21-26								
<b>Chemical Bonding - Seneca Chemistry - Topic 2</b>									

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Bonding, Structure and the properties of matter - Ions, Ionic bonding, Ionic compounds, properties of ionic compounds Covalent bonding, simple molecules, properties of simple molecules	CGP - 28-32								
Bonding, Structure and the properties of matter - Polymers, giant covalent structures, Structures of carbon, Metallic bonding, States of matter, Changing state	CGP - 33-37								
<b>Chemistry only:</b> Nanoparticles and use of nanoparticles	CGP - 38-39								
<b>Quantitative Chemistry - Seneca Chemistry - Topic 3</b>									
Quantitative Chemistry - Relative Formula mass, Conservation of mass, Percentage of an element in a compound, Concentrations of solutions <b>Higher tier only</b> - Moles, Balancing equations using reacting masses, Limiting reactants	CGP - 41-44								
<b>Chemistry only:</b> Atom economy, Percentage yield	CGP - 45-47								
<b>Chemistry and Higher tier only:</b> Gases and solutions, Concentration calculations	CGP - 48-49								
<b>Chemical Changes - Seneca Chemistry - Topic 4</b>									
Chemical changes 1 - Acid/base reactions, Reactions of acids, Oxidation and reduction reactions, Reactivity and extraction of metals, <b>RP1 - Making a pure dry salt from an insoluble metal oxide or metal carbonate</b> <b>Chemistry only:</b> Titrations, <b>RP2 - Determining the reacting volumes of solutions of a strong acid and alkali by titration</b>	CGP - 51-57								

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Chemical changes 2 - Electrolysis, <b>RP - Electrolysis of aqueous solutions</b>	CGP - 58-59								
<b>Energy changes - Seneca Chemistry - Topic 5</b>									
Energy changes - Exothermic, endothermic reactions and reaction profiles, <b>RP - Measuring temperature changes in reacting solutions</b>	CGP - 61-62								
Energy changes - <b>Higher tier only</b> - Bond energy calculations	CGP - 63								
<b>Chemistry only:</b> Cells, batteries, fuel cells	CGP - 64-65								
<b>GCSE Physics Paper 1</b>									
<b>Energy - Seneca Physics - Topic 1</b>									
Energy 1 - Energy stores and transfers, calculating $E_k$ , $E_p$ , $E_e$ , <b>RP - Specific heat capacity and energy transfer</b>	CGP - 11-15								
Energy 1 - Power, efficiency and reducing unwanted transfers, <b>RP - Investigating the effectiveness of thermal insulation</b>	CGP - 14, 16, 17								
Energy 2 - National and global energy resources	CGP - 18-22								
<b>Electricity - Seneca Physics - Topic 2</b>									
Electricity 1 - Current, charge, potential difference, Resistance, <b>RP1 - Investigating the resistance of a length of wire</b> , and I-V relationships, <b>RP2 - Using circuits to investigate I-V relationships in a bulb, diode, fixed resistor</b>	CGP - 24-27, 30								

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Electricity 1 - Series and Parallel circuits, <b>RP - investigating resistance in series and parallel circuits</b>	CGP - 28,29								
Electricity 2 - Electricity in the home (ac,dc and mains electricity), Power and energy transfers in appliances, The National Grid	CGP - 31-34								
<b>Physics only:</b> Static electricity and electric fields	CGP - 35-36								
<b>The Particle Model - Seneca Physics - Topic 3</b>									
Particle Model of Matter - Particle model, Density, <b>RP - Density of regular and irregular objects</b>	CGP - 38								
Particle Model of Matter - Internal energy, Changes of state, Specific heat capacity, Specific latent heat	CGP - 39-40 & 13								
Particle Model of Matter - Motion in gases, Gas Pressure, <b>Physics only:</b> Pressure in gases	CGP - 41								
<b>Atoms &amp; Radiation - Seneca Physics - Topic 4</b>									
Atomic Structure - Models of the atom, Isotopes, Nuclear radiation, Nuclear equations	CGP - 43-45								
Atomic Structure - Half life, irradiation and contamination, <b>Physics only:</b> Background radiation, Uses of nuclear radiation	CGP - 46,47								
<b>Physics only:</b> Nuclear Fission and Fusion	CGP - 48-49								



Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

## Separate Science Revision Checklist - Paper 2 Topics

Topic	CGP guide pages	Revision Codes and Date					
<b>GCSE Biology Paper 2</b>							
<b>Homeostasis &amp; Response - Seneca Biology - Topic 5</b>							
Homeostasis and Response - Homeostasis, The nervous system, <b>RP - Investigating reaction time in humans</b>	65-68						
Homeostasis and Response - <b>Biology only:</b> The brain, The eye, Controlling body temperature	69-72						
Homeostasis and Response - The endocrine system, Controlling blood glucose, <b>Higher tier only</b> - Adrenaline and thyroxine, <b>Biology only:</b> The kidneys and kidney failure	73-76, 80						
Homeostasis and Response - Hormones and the reproductive system, Menstrual cycle, Contraception, <b>Higher tier only</b> - Using hormones to control fertility	77-79						
Homeostasis and Response - <b>Biology only:</b> Plant hormones, <b>RP - Investigating the effect of light or gravity on growth of seedlings, Higher tier only</b> - Commercial uses of plant hormones	81-82						

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Inheritance, Variation and Evolution - Seneca Biology - Topic 6									
Inheritance, variation and evolution 1 - DNA, Reproduction, Meiosis, <b>Biology only:</b> DNA structure, Protein synthesis, Advantages and disadvantages of sexual/asexual reproduction	84-89								
Inheritance, variation and evolution 1 - X and Y chromosomes, Genetic diagrams, Inherited disorders, <b>Biology only:</b> The work of Mendel	90-94								
Inheritance, variation and evolution 2 - Variation, Evolution, Selective breeding, Genetic engineering, <b>Biology only:</b> Cloning	95-100								
Inheritance, variation and evolution 2 - Evidence for evolution: Fossils, Extinction, Antibiotic resistance, <b>Biology only:</b> Speciation	101-103								
Inheritance, variation and evolution 2 - Classification	104								
Ecology - Seneca Biology - Topic 7									
Ecology 1 - Competition, Biotic and Abiotic factors, Adaptations, <b>RP - Sampling using quadrats to estimate population size and using transects to measure distribution in an ecosystem</b>	106-111								
Ecology 1 - Food chains, The water cycle, The carbon cycle, <b>Biology only:</b> Decay/Decomposition, <b>RP - Investigating the effect of temperature on the rate of decay</b>	112-116								
Ecology 2 - Biodiversity, Waste management, Land use, Deforestation, Peat bogs, Global warming, Maintaining ecosystems and biodiversity	117-119								

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Ecology 3 - <b>Biology only:</b> Trophic levels, Pyramids of biomass, Biomass transfer, Food security and farming, Biotechnology	120-124								
<b>GCSE Chemistry Paper 2</b>									
<b>The Rate and Extent of Chemical Change - Seneca Chemistry - Topic 6</b>									
The Rate and Extent of Chemical Change 1 - Rate of reaction, Collision theory, Factors that affect rate of reaction	67-68								
The Rate and Extent of Chemical Change 1 - Measuring rates of reaction, <b>RP - Measuring rate of reaction using volume of gas produced and change in turbidity or colour</b> , Finding rate of reaction from graphs	69-71								
The Rate and Extent of Chemical Change 2 - Reversible reactions, Equilibrium, Reversible reactions and exothermic and endothermic, <b>Higher tier only</b> - Le Chatelier's Principle	72-73								
<b>Organic Chemistry - Seneca Chemistry - Topic 7</b>									
Organic Chemistry - Hydrocarbons, Properties of hydrocarbons, Combustion of hydrocarbons, Fractional distillation of crude oil, Uses and cracking of crude oil	75-77								
Organic Chemistry - <b>Chemistry only:</b> Alkenes, Reactions of alkenes, Addition polymerisation	78-80								
Organic Chemistry - <b>Chemistry only:</b> Alcohols, carboxylic acids, Condensation polymerisation, Naturally occurring polymers: Amino acids and DNA	81-84								

Revision Codes									
F - Flashcards	S - Seneca	EQ - Exam Questions	C - Cornell Notes	M - Memory Dump	CH - Champions Hr	LSQ - Low Stakes Quiz	Sp - Sparx	R - Retrieval	O - Other Revision

Chemical Analysis - Seneca Chemistry - Topic 8									
Chemical Analysis - Purity and formulations, Paper chromatography, <b>RP - Chromatography and calculating Rf values to identify different substances</b> , Tests for gases	86-88								
Chemical Analysis - <b>Chemistry only</b> : Tests for cations (flame tests and using sodium hydroxide), Tests for anions (carbonates, halides and sulfates), <b>RP - Identifying ions using chemical tests (all previous tests)</b> , Instrumental methods, Flame emission spectrometry	88-90								
Chemistry of the Atmosphere - Seneca Chemistry - Topic 9									
Evolution of the Atmosphere - The Earth's current atmosphere, How the atmosphere has changed over time, Greenhouse gases and climate change, Carbon footprints and air pollution	91-94								
Using Resources - Seneca Chemistry - Topic 10									
Using Resources - Finite and renewable resources, Reducing the use of resources (reduce, reuse, recycle), Life cycle assessments, Potable water, <b>RP - Analysis and purification of water samples</b> , Waste water, <b>Higher tier only</b> - Alternative methods of extracting metals	99-103								
Using Resources - <b>Chemistry only</b> : The properties and uses of ceramics, composites, polymers, Corrosion and the prevention of corrosion	96-98								
Using Resources - <b>Chemistry only</b> : The Haber Process and NPK fertilisers	104-105								

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GCSE Physics Paper 2														
<b>Forces - Seneca Physics - Topic 5</b>														
Forces 1 - Scalars and vectors, Contact and non contact forces, Weight Mass and Gravity, Resultant force, Calculating work done due to forces, <b>Higher tier only</b> - Resolving forces and vector diagrams		51-54												
Forces 1 - Forces and elasticity, <b>RP - Investigating the effect of a force applied on the extension of a spring</b>		55-56												
Forces 2 - Distance & displacement, Speed & velocity, Acceleration, Terminal velocity, Distance/time graphs, Velocity/time graphs		60-63												
Forces 2 - Newton's Three Laws, <b>Higher tier only</b> - Inertia, <b>RP - Investigating motion: the effect of varying the force on the acceleration of an object with constant mass, the effect of varying the mass on the acceleration of an object with constant force</b>		64-66												
Forces 2 - Stopping distances, Reaction times, <b>Higher tier only</b> - Momentum, <b>Physics only: Changes in momentum</b>		67-71												
Forces 3 - <b>Physics only:</b> Moments, Fluid pressure, Upthrust and Atmospheric pressure		57-59												
<b>Waves - Seneca Physics - Topic 6</b>														
Waves 1 - Transverse and longitudinal waves, Wave behaviour, <b>RP - Measuring the frequency, wavelength and wave speed of a wave in liquids and solids</b>		73-74												

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Waves 1 - Electromagnetic waves: Types of EM waves, Uses of EM waves, <b>RP - Investigating infra-red waves being emitted or absorbed by a surface</b> , Dangers of EM	75-81								
Waves 2 - <b>Physics only</b> : Visible light, Reflection, Refraction, <b>RP - Investigating the reflection and refraction of light by different types of substance</b> , Lenses, Image and Ray diagrams, Concave lenses and magnification	82-84								
Waves 2 - <b>Physics only</b> : Infrared radiation and temperature, black body radiation	85-87								
Waves 2 - <b>Physics only</b> : Sound waves, Ultrasound, Exploring structures using waves	88-90								
<b>Magnetism - Seneca Physics - Topic 7</b>									
Magnetism and Electromagnetism - Permanent and induced magnets, Magnetic fields, Electromagnetism	92-93								
<b>Higher tier only</b> - The Motor effect, Electric motors, <b>Physics only</b> : Loudspeakers	94-94								
<b>Physics only, Higher tier only</b> - Induced potential, Generators, Transformers, Microphones	96-98								
<b>Astrophysics - Seneca Physics - Topic 8</b>									
Space Physics - <b>Physics only</b> : The life cycle of stars, The solar system, Orbits	100-101								
Space Physics - <b>Physics only</b> : Red shift and the Big Bang	102								