

Year 11 Report Domains

Autumn 2001/2022





Contents

RE.....	4
RE S/C	4
Maths Set 1/2.....	5
Maths Set 3.....	7
Maths Set 4/5	9
English	10
Art.....	11
Biology	12
Foundation	12
Business.....	13
Chemistry	14
Computing.....	17
Construction	18
Dance	18
Food Nutrition.....	19
Geography	20
History	21
Health	22
ICT.....	23
ICT ASDAN	24
Music.....	24
PE	25
Performing Arts.....	26
Physics	26
Spanish	27
Sport.....	28
Textiles.....	28



Guide to Grades		
Descriptor	SIMS Code	Description
Significant strength	1	A deep understanding of complex knowledge structures Has the capacity for skilful performance A very high success rate
Secure understanding	2	A good foundation for future learning Secure understanding of concepts and key vocabulary New knowledge bonds to existing knowledge
Some gaps	3	There is some confusion or uncertainty, but this can be addressed by further practice, review, revisiting and re-teaching
Cause for concern	4	Gaps in knowledge are preventing the acquisition of further learning



RE		
Ref	Key Knowledge	Next Steps
1	Explain Biblical teachings about the incarnation.	GCSE RE Catholic Christianity - Incarnation in the Gospels By MrMcMillanREvis - YouTube
2	Explain Catholic beliefs about the significance of the incarnation of Jesus	GCSE RE Catholic Christianity - Doctrine of the Incarnation By MrMcMillanREvis - YouTube See also revision notes on MS Teams (Y11 Team; RE folder)
3	Contrasting attitudes to the response to injustice.	www.kerboodle.com – page 295
4	Christian beliefs about forgiveness.	RE - A Mother's Forgiveness - BBC Learning - YouTube www.kerboodle.com pages 292-293
5	Knowledge recall and explanation of key beliefs about Creation.	GCSE RE Catholic Christianity - Creation in Genesis By MrMcMillanREvis - YouTube www.kerboodle.com – chapter 1
6	Knowledge recall and explanation of key beliefs about Incarnation	GCSE RE Catholic Christianity - Doctrine of the Incarnation By MrMcMillanREvis - YouTube www.kerboodle.com – chapter 2
7	Knowledge recall and explanation of key beliefs about Triune God	GCSE RE Catholic Christianity - Trinity in the Bible By MrMcMillanREvis - YouTube www.kerboodle.com – chapter 3
8	Knowledge recall and explanation of key beliefs about Church and the Kingdom of God.	GCSE RE Catholic Christianity - The Church By MrMcMillanREvis - YouTube www.kerboodle.com – chapter 4

RE S/C		
Ref	Key Knowledge	Next Steps
1	Able to outline Catholic beliefs about the Trinity	GCSE RE Catholic Christianity - Trinity in the Bible By MrMcMillanREvis - YouTube
2	Able to explain Catholic teachings on stewardship	GCSE RE Catholic Christianity - Stewardship By MrMcMillanREvis - YouTube
3	Able to describe how the Bible provides evidence that Jesus is the Son of God	GCSE RE Catholic Christianity - Doctrine of the Incarnation By MrMcMillanREvis - YouTube
4	Able to outline the key events of the Paschal Mystery	GCSE RE Catholic Christianity - Introduction to Redemption By MrMcMillanREvis - YouTube
5	Knowledge recall and explanation of key Catholic beliefs	GCSE - How do you revise? (Mind map) - YouTube C beliefs - The RS Teacher – Questions, answers and resources available for revision.
6	Knowledge recall and explanation of key Catholic practices	How do you make notes from the revision guide? - YouTube GCSE YEAR 10 - Catholic Practices (an introduction) - YouTube



Maths Set 1/2		
Ref	Key Knowledge	Next Steps
1	Solve two linear simultaneous equations in two variables algebraically	http://corbettmaths.com/2013/03/05/simultaneous-equations-elimination-method/ https://corbettmaths.com/wp-content/uploads/2019/04/Simultaneous-Equations.pdf
2	Expand and simplify the product of three binomials	http://corbettmaths.com/2013/12/27/expanding-three-brackets-video-15/ https://corbettmaths.com/wp-content/uploads/2018/09/Factorising-Quadratics-pdf.pdf
3	Factorise a quadratic expression of the form $x^2 + bx + c$	http://corbettmaths.com/2013/02/08/difference-between-two-squares/ https://corbettmaths.com/wp-content/uploads/2018/09/Factorising-Quadratics-pdf.pdf
4	Evaluate calculations involving standard form	http://corbettmaths.com/2013/04/28/standard-form/ http://corbettmaths.com/2013/05/03/standard-form-addition/ http://corbettmaths.com/2013/04/29/standard-form-multiplication/ http://corbettmaths.com/2013/05/03/standard-form-division/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/
5	Change the subject of the formula (where factorising is involved)	http://corbettmaths.com/2013/12/28/changing-the-subject-advanced-video-8/ https://corbettmaths.com/wp-content/uploads/2013/02/changing-the-subject-advanced-pdf1.pdf
6	Solve quadratic equations by completing the square	http://corbettmaths.com/2013/12/29/completing-the-square-video-10/ https://corbettmaths.com/wp-content/uploads/2013/02/solving-using-completing-the-square-pdf.pdf
7	I can use the trigonometric ratios to find a missing length and missing angles in a right-angled triangle	http://corbettmaths.com/2013/03/30/trigonometry-missing-angles/ https://corbettmaths.com/2019/10/07/trigonometry-textbook-exercise/
8	Use the nth term of a linear sequence to solve a problem	http://corbettmaths.com/2012/08/20/the-nth-term-for-linear-sequences/ https://corbettmaths.com/2019/10/07/sequences-nth-term-textbook-exercise/

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Key areas of knowledge and skills

Year 11 Autumn Term 2021



9	Find the nth term of any quadratic sequence	https://corbettmaths.com/2016/08/07/quadratic-nth-term-version-1/ https://corbettmaths.com/wp-content/uploads/2019/02/Quadratic-nth-Term.pdf
10	Solve problems with simple and compound interest	http://corbettmaths.com/2012/08/21/compound-interest/ https://corbettmaths.com/wp-content/uploads/2019/09/Compound-Interest-pdf-1.pdf
11	Solve direct proportion problems	http://corbettmaths.com/2013/04/04/direct-proportion/ https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf
12	Solve inverse proportion problems	http://corbettmaths.com/2013/04/04/inverse-proportion/ https://corbettmaths.com/wp-content/uploads/2019/03/Proportion-Direct-and-Inverse.pdf



Maths Set 3		
Ref	Key Knowledge	Next Steps
1	Simplifying expressions	http://corbettmaths.com/2013/12/28/collecting-like-terms-video-9/ https://corbettmaths.com/wp-content/uploads/2013/02/collecting-like-terms-pdf3.pdf
2	Substitution	http://corbettmaths.com/2012/08/20/substitution-into-expressions/ https://corbettmaths.com/wp-content/uploads/2013/02/substitution-pdf2.pdf
3	Expand and simplify double brackets	http://corbettmaths.com/2013/12/23/expanding-two-brackets-video-14/ https://corbettmaths.com/wp-content/uploads/2013/02/expanding-two-brackets-pdf2.pdf
4	Factorise quadratic expression	http://corbettmaths.com/2013/02/08/difference-between-two-squares/ https://corbettmaths.com/wp-content/uploads/2018/09/Factorising-Quadratics-pdf.pdf
5	Solve linear equations	http://corbettmaths.com/2012/08/24/solving-equations/ https://corbettmaths.com/wp-content/uploads/2020/10/Equations-pdf.pdf
6	Simplify indices	http://corbettmaths.com/2013/03/13/laws-of-indices-algebra/ https://corbettmaths.com/wp-content/uploads/2019/02/Laws-of-Indices-174-pdf.pdf
7	Solve two linear simultaneous equations in two variables algebraically	http://corbettmaths.com/2013/03/05/simultaneous-equations-elimination-method/ https://corbettmaths.com/wp-content/uploads/2019/04/Simultaneous-Equations.pdf
8	Use Pythagoras theorem to find missing sides	http://corbettmaths.com/2012/08/19/pythagoras-video/ https://corbettmaths.com/wp-content/uploads/2019/02/Pythagoras-pdf.pdf

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Key areas of knowledge and skills

Year 11 Autumn Term 2021



9	I can use the trigonometric ratios to find a missing length in a right-angled triangle	http://corbettmaths.com/2013/03/30/trigonometry-missing-angles/ https://corbettmaths.com/2019/10/07/trigonometry-textbook-exercise/
10	Area of compound shapes	http://corbettmaths.com/2012/08/02/area-of-compound-shapes/ https://corbettmaths.com/wp-content/uploads/2018/09/Area-of-Compound-Shapes-pdf.pdf
11	Area of a circle	http://corbettmaths.com/2013/12/22/area-of-a-circle-video-40-and-59/ https://corbettmaths.com/wp-content/uploads/2017/12/area-of-a-circle.pdf
12	Standard form	http://corbettmaths.com/2013/04/28/standard-form/ http://corbettmaths.com/2013/05/03/standard-form-addition/ http://corbettmaths.com/2013/04/29/standard-form-multiplication/ http://corbettmaths.com/2013/05/03/standard-form-division/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/



Maths Set 4/5		
Ref	Key Knowledge	Next Steps
1	Simplifying expressions	http://corbettmaths.com/2013/12/28/collecting-like-terms-video-9/ https://corbettmaths.com/wp-content/uploads/2013/02/collecting-like-terms-pdf3.pdf
2	Substitution	http://corbettmaths.com/2012/08/20/substitution-into-expressions/ https://corbettmaths.com/wp-content/uploads/2013/02/substitution-pdf2.pdf
3	Expanding multiple and single brackets	http://corbettmaths.com/2013/12/23/expanding-brackets-video-13/ https://corbettmaths.com/wp-content/uploads/2013/02/expanding-brackets-pdf1.pdf
4	Factorise	http://corbettmaths.com/2013/02/06/factorisation/ https://corbettmaths.com/2019/09/20/factorisation-textbook-exercise/
5	Solve linear equations	http://corbettmaths.com/2012/08/24/solving-equations/ https://corbettmaths.com/wp-content/uploads/2020/10/Equations-pdf.pdf
6	Simplify Indices	http://corbettmaths.com/2013/03/13/laws-of-indices-algebra/ https://corbettmaths.com/wp-content/uploads/2019/02/Laws-of-Indices-174-pdf.pdf
7	Standard form	http://corbettmaths.com/2013/04/28/standard-form/ http://corbettmaths.com/2013/05/03/standard-form-addition/ http://corbettmaths.com/2013/04/29/standard-form-multiplication/ http://corbettmaths.com/2013/05/03/standard-form-division/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/ https://corbettmaths.com/2019/10/07/standard-form-textbook-exercise/
8	Bidmas	http://corbettmaths.com/2013/06/08/order-of-operations/ https://corbettmaths.com/wp-content/uploads/2018/11/Order-of-Operations-Exercise-211-pdf.pdf
9	Area of a triangle	http://corbettmaths.com/2013/12/20/area-of-a-triangle-video-49/ https://corbettmaths.com/wp-content/uploads/2018/02/area-of-a-triangle-pdf.pdf



10	Area of a trapezium	http://corbettmaths.com/2012/08/02/area-of-a-trapezium-video/ https://corbettmaths.com/wp-content/uploads/2018/09/Area-of-a-Trapezium-pdf-1.pdf
11	Area of compound shapes	http://corbettmaths.com/2012/08/02/area-of-compound-shapes/ https://corbettmaths.com/wp-content/uploads/2018/09/Area-of-Compound-Shapes-pdf.pdf
12	Use Pythagoras theorem to find missing sides	http://corbettmaths.com/2012/08/19/pythagoras-video/ https://corbettmaths.com/wp-content/uploads/2019/02/Pythagoras-pdf.pdf

English		
Ref	Key Knowledge	Next Steps
1	Ability to analyse language	AQA English Language Paper 1 Question 2 (updated & animated) – YouTube Use Knowledge organiser paper 1 question 2 English Language from the school website/ exercise books
2	Ability to analyse structure	AQA English Language Paper 1 Question 3 (updated & animated) – YouTube Use Knowledge organiser paper 1 question 2 English Language from the school website/ exercise books
3	Ability to express a personal opinion and evaluate	AQA English Language Paper 1 Question 4 (updated and animated) – YouTube Use Knowledge organiser paper 1 question 2 English Language from the school website/ exercise books
4	Ability to write creatively using language for effect	AQA English Language Paper 1 Question 5 (updated & animated) – YouTube Use Knowledge organiser paper 1 question 2 English Language from the school website/ exercise books
5	Ability to use a range sentence forms	Century Tech Building Brilliant Sentences VLE
6	Ability to use a range of punctuation for effect	Century Tech- SPaG



Art		
Ref	Key Knowledge	Next Steps
1	Develop fresh ideas that have contextual meaning.	https://www.studentartguide.com/articles/how-to-make-a-mindmap-creative-ideas https://www.studentartguide.com/featured/gcse-art-sketchbook-examples https://thecreativeindependent.com/guides/how-to-write-an-artist-statement/ Finding inspiration - Video - GCSE Art and Design - BBC Bitesize
2	Write about artists showing personal understanding.	https://www.bbc.co.uk/bitesize/guides/zymtv9q/revision/1 https://theartyteacher.com/artists-themes/
3	Explore a wide range of materials.	VLE remote learning folders, year 10 and 11 resources.
4	Show skill and improvement using materials.	VLE remote learning folders, year 10 and 11 resources.
5	Drawing skills (including PRIMARY observation).	VLE remote learning folders, year 10 and 11 resources.
6	Photography skills.	https://www.youtube.com/watch?v=KfVG_2n-iTM https://www.youtube.com/watch?v=HXIVNdp_SoM https://www.youtube.com/watch?v=OxNh-j8FGX8
7	Use of self-evaluation.	https://www.edugas.co.uk/media/3wrczool/edugas-gcse-art-and-design-sams-from-2016.pdf ULTIMATE GUIDE TO GET 9/A* IN GCSE ART // 15 Quick Tips!! - YouTube Using annotation - Annotating your work - GCSE Art and Design Revision - BBC Bitesize
8	Personal engagement with project.	https://www.studentartguide.com/featured/gcse-art-exam-force HOW I GOT 100% / A* / FULL MARKS IN GCSE ART ISABEL - YouTube VLE art knowledge organisers
9	Planning towards final pieces.	https://www.youtube.com/watch?v=HLTC_wENj1U Balance - Balance - GCSE Art and Design Revision - BBC Bitesize
10	Execution of large and final pieces.	VLE remote learning folders, year 10 and 11 resources.

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Biology		
Ref	Key Knowledge	Next Steps
Foundation		
1	Respiratory system and respiration	https://classroom.thenational.academy/lessons/the-lungs-ccu3ge https://classroom.thenational.academy/lessons/respiration-71jpce
2	Drug testing	https://classroom.thenational.academy/lessons/testing-drugs-part-1-6wwker https://classroom.thenational.academy/lessons/testing-drugs-part-2-60r32c
3	Plant transpiration	https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c https://classroom.thenational.academy/lessons/investigating-transpiration-6tjk0r
4	Immune function against disease	https://classroom.thenational.academy/lessons/immunity-cnk3ad https://classroom.thenational.academy/lessons/vaccines-70u6cc
5	Osmosis required practical	https://classroom.thenational.academy/lessons/osmosis-6wu3jd https://classroom.thenational.academy/lessons/osmosis-required-practical-part-1-70r6cr
6	Digestion and absorption	https://classroom.thenational.academy/lessons/digestion-cnk66c https://classroom.thenational.academy/lessons/absorption-74v38e
Higher		
7	Osmosis required practical	https://classroom.thenational.academy/lessons/osmosis-6wu3jd https://classroom.thenational.academy/lessons/osmosis-required-practical-part-1-70r6cr
8	Digestions and adaptation for absorption	https://classroom.thenational.academy/lessons/digestion-cnk66c https://classroom.thenational.academy/lessons/absorption-74v38e
9	Health and exercise	https://classroom.thenational.academy/lessons/non-communicable-disease-75jk6r
10	Disease and prevention	https://classroom.thenational.academy/lessons/infectious-disease-6wu3ce https://classroom.thenational.academy/lessons/immunity-cnk3ad



11	Photosynthesis- Limiting factors	https://classroom.thenational.academy/lessons/limiting-factors-of-photosynthesis-crw68d
12	Drug testing	https://classroom.thenational.academy/lessons/testing-drugs-part-1-6wwker https://classroom.thenational.academy/lessons/testing-drugs-part-2-60r32c

Business		
Ref	Key Knowledge	Next Steps
1	Organisational structures	CGP GCSE AQA Business Complete Revision and Practice (Section 4, pgs. 67-82) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
2	Recruitment and selection of employees	CGP GCSE AQA Business Complete Revision and Practice (Section 4, pgs. 67-82) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
3	Motivating employees	CGP GCSE AQA Business Complete Revision and Practice (Section 4, pgs. 67-82) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
4	Importance of training the workforce	CGP GCSE AQA Business Complete Revision and Practice (Section 4, pgs. 67-82) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
5	Types of training undertaken by businesses	CGP GCSE AQA Business Complete Revision and Practice (Section 4, pgs. 67-82) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
6	Identifying and understanding customers	CGP GCSE AQA Business Complete Revision and Practice (Section 5, pgs. 83-89) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
7	Types of segmentation	CGP GCSE AQA Business Complete Revision and Practice (Section 5, pgs. 83-89) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
8	The purpose and methods of market research	CGP GCSE AQA Business Complete Revision and Practice (Section 5, pgs. 83-89) https://www.cgpbooks.co.uk/secondary-books/gcse/business/buhs44-gcse-business-complete-revision-and-practic
9	Knowledge of past units	Microsoft Teams, GCSE Business. (All previous units have pre-recorded material available to re-cap here).

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Chemistry		
Ref	Key Knowledge	Next Steps
Foundation		
1	Acids and bases	Acidic and alkaline solutions - Acids, alkalis and salts - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Reactions of Acids with Metals AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)
2	Temperature Changes, Metal reactivity and Concentration Calculations	Required practical - temperature changes in reacting solutions - Exothermic and endothermic reactions - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize The reactivity series of metals - Reactions of metals - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Metal Oxides AQA GCSE Chemistry Revision Notes (savemyexams.co.uk) Concentration of solutions - Calculations in chemistry - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize
3	History of the Atom, Group 7 and Conservation of Mass Calculation	Early ideas about atoms - Atomic structure - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 7 - chemical properties - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 7 - physical properties - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Law of conservation of mass - Calculations in chemistry - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Conservation of Mass & Balanced Chemical Equations AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)



4&5&7	History of the periodic table, Group 1, Ionic Bonding and Covalent Bonding	Mendeleev's periodic table - The periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 1 - physical properties - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 1 - chemical reactions with water - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 1 - chemical reactions with oxygen and chlorine - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Forming ions - Ionic compounds - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize The ionic lattice - Ionic compounds - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Covalent bonds - Small molecules - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Substances with many covalent bonds - Giant covalent molecules - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Diamond AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)
6	Aluminium extraction	Electrolysis of molten salts - Electrolysis - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize The Process of Electrolysis AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)
8	Planning an Investigation	Planning - Practical skills for carrying out a scientific investigation - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize
HIGHER		
9	Aluminium extraction	Electrolysis of molten salts - Electrolysis - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize The Process of Electrolysis AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)
11	Planning an Investigation	Planning - Practical skills for carrying out a scientific investigation - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize
12	Acids, Alkalis, Bases and pH	Acidic and alkaline solutions - Acids, alkalis and salts - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Reactions of Acids with Metals AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)



13	Temperature Changes and Concentration Calculation	Required practical - temperature changes in reacting solutions - Exothermic and endothermic reactions - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Concentration of solutions - Calculations in chemistry - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize
14	History of the Atom, Group 7 and Reacting Mass Calculation	Early ideas about atoms - Atomic structure - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 7 - chemical properties - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 7 - physical properties - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Mole calculations - Higher - Calculations in chemistry - Higher - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize
10&15	History of the Periodic table, Group 1 and Covalent Bonding	Mendeleev's periodic table - The periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 1 - physical properties - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 1 - chemical reactions with water - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Group 1 - chemical reactions with oxygen and chlorine - Groups in the periodic table - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Covalent bonds - Small molecules - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Substances with many covalent bonds - Giant covalent molecules - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Diamond AQA GCSE Chemistry Revision Notes (savemyexams.co.uk)



Computing

Ref	Key Knowledge	Next Steps
1	Systems Architecture (CPU, Von Neumann architecture, Embedded systems)	Videos: https://student.craigndave.org/videos/slr1-1-systems-architecture Exam questions
2	The need for and types of Memory and storage	Videos: https://student.craigndave.org/videos/slr1-2-memory-and-storage Exam Questions
3	Types of Wired and Wireless Networks, use of Topologies, Protocols and Layers	Videos: https://student.craigndave.org/videos/slr1-3-computer-networks-connections-and-protocols Exam Questions
4	How networks are Secured	Videos: https://student.craigndave.org/videos/slr1-4-network-security Exam Questions
5	System Software including operating systems and utility software	Videos: https://student.craigndave.org/videos/slr1-5-systems-software Exam Questions
6	Ethical, legal, cultural and environmental concerns relating to Computer Science	Videos: https://student.craigndave.org/videos/slr1-6-ethical-legal-cultural-and-environmental-concerns Exam Questions
7	Writing, reading and interpreting Algorithms	Videos: https://student.craigndave.org/videos/slr2-1-algorithms Algorithm writing practice: https://revisecs.computerscienceuk.com/algorithm-writing-practice/ Practice Pseudocode questions
8	Programming fundamentals	Videos: https://student.craigndave.org/videos/slr2-2-programming-fundamentals Python practice tasks: https://www.csnewbs.com/python
9	Boolean Logic: AND, OR and NOT. Completing of truth tables.	Videos: https://student.craigndave.org/videos/slr2-3-producing-robust-programs Exam Questions
10	Different types of Programming languages and the use of IDE's	Videos: https://student.craigndave.org/videos/slr2-5-programming-languages-and-ides Exam Questions



Construction		
Ref	Key Knowledge	Next Steps
1	Completing internal unit 2 assessment joinery examination coursework	https://www.youtube.com/watch?v=Odw5QMiOCZY Use the information on the sheets and the web sites provided at the beginning of each unit
2	Completing internal unit 2 assessment decorating examination coursework	Use the information on the sheets and the web sites provided at the beginning of each unit
3	Preparation sheets for joinery examination task	https://www.planningportal.co.uk/info/200130/common_projects https://www.youtube.com/watch?v=8RQzI02C-NE Look at preparation sheets for information. Complete the examination sheets provided. Look at your notes.
4	Preparation sheets for Painting/decorating examination task	Look at preparation sheets for information. Complete the examination sheets provided. Look at your notes.
5	Quality and content of your unit 2 examination coursework sheets.	Look at examples provided in your personal folders and in the class. Look up information on the websites for preparation sheets.
6	Introduction to unit 3.	Information for unit 3 will be found on pupil drive, technology construction

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Dance		
Ref	Key Knowledge	Next Steps
1	Examine professional practitioners’ performance work	
2	The interrelationships between constituent features of existing performance material	
3	Skills and techniques for performance	
4	Evaluation of own development	
5	Application of skills and techniques in rehearsal and performance	
6	Prior knowledge	



Food Nutrition		
Ref	Key Knowledge	Next Steps
1	Relevant, concise and accurate research showing discrimination when selecting sources	Food preparation and nutrition textbook on line chapter 12 – NEA 2
2	Detailed understanding of dietary group or life stage or culinary tradition	Food preparation and nutrition textbook on line chapter 2 – food choice
3	Ability to select a varied range of dishes relevant to research	Film and animation links
4	Demonstrates technical skills with accuracy	Film and animation links
5	Selects and uses equipment accurately	Film and animation links
6	Ability to complete and work from a logical, detailed, dovetailed time plan	Food preparation and nutrition textbook on line chapter 12 - timeplan
7	Demonstration of complex skills presenting food products to a high standard	Film and animation links For all the above – use the digital textbook – Link



Geography		
Ref	Key Knowledge	Next Steps
1	Numeracy and rapid population growth	<ul style="list-style-type: none"> Visit Seneca - Learn 2x Faster (senecalearning.com) and log in (you may need to sign up) select Edexcel A GCSE Geography, Topic Changing Cities Test yourself aiming for 75% plus Make use of the departmental revision guides and Knowledge Organisers (found on the VLE)
2	Changes in retail	<ul style="list-style-type: none"> Visit Seneca - Learn 2x Faster (senecalearning.com) and log in (you may need to sign up) select Edexcel A GCSE Geography, Topic Changing Cities Test yourself aiming for 75% plus Make use of the departmental revision guides and Knowledge Organisers (found on the VLE)
3	Changing Cities key terminology	<ul style="list-style-type: none"> Visit Seneca - Learn 2x Faster (senecalearning.com) and log in (you may need to sign up) select Edexcel A GCSE Geography, Topic Changing Cities Test yourself aiming for 75% plus Make use of the departmental revision guides and Knowledge Organisers (found on the VLE)
4	Evaluation how cities have been successful in improving the quality of life for its people	<ul style="list-style-type: none"> Visit Seneca - Learn 2x Faster (senecalearning.com) and log in (you may need to sign up) select Edexcel A GCSE Geography, Topic Changing Cities Test yourself aiming for 75% plus Make use of the departmental revision guides and Knowledge Organisers (found on the VLE)
5	Prior Learning - Weather and Climate	<ul style="list-style-type: none"> Visit Seneca - Learn 2x Faster (senecalearning.com) and log in (you may need to sign up) select Edexcel A GCSE Geography, Topic Weather and Climate Test yourself aiming for 75% plus Make use of the departmental revision guides and Knowledge Organisers (found on the VLE)

(To access files marked “VLE Link” please log in to the Maricourt VLE)



History		
Ref	Key Knowledge	Next Steps
1	Understand the chronology of events – Germany 1918-1939	<p>VLE – !!!!!!!history/GCSE/Germany 1918-1939 – Folders 11.2.1-11.2.17</p> <p>Knowledge organisers and revision materials also in the folder - Revision</p>
2	Demonstrate clear understanding of significant areas the problems the Weimar Republic faced including opposition and how they attempted to solve them and life in Weimar Germany 1918-1933	<p>VLE – !!!!!!!history/GCSE/Germany 1918-1939 – Folders 11.2.1-11.2.5</p> <p>Knowledge organisers and revision materials also in the folder – Revision</p> <p>Weimar and Nazi Germany, 1918-39 - Weimar Germany overview - Edexcel - GCSE History Revision - Edexcel - BBC Bitesize</p>
3	Demonstrate clear understanding of significant areas such as the Rise of Hitler, the role of the Nazi Party and their consolidation of power	<p>VLE – !!!!!!!history/GCSE/Germany 1918-1939 – Folders 11.2.6-11.2.10</p> <p>Knowledge organisers and revision materials also in the folder – Revision</p> <p>Early development of the Nazi Party, 1920-1922 - Hitler's rise to power, 1919-1933 - Edexcel - GCSE History Revision - Edexcel - BBC Bitesize</p>
4	Demonstrate clear understanding of significant areas of life in Nazi Germany, such as Nazi control, Role of women, children and workers	<p>VLE – !!!!!!!history/GCSE/Germany 1918-1939 – Folders 11.2.11-11.2.17</p> <p>Knowledge organisers and revision materials also in the folder – Revision</p> <p>Life in Nazi Germany, 1933-1939 - Weimar Germany overview - Edexcel - GCSE History Revision - Edexcel - BBC Bitesize</p>
5	Show understanding of the demands of answering GCSE Inference, explain why and interpretation questions.	<p>VLE – !!!!!!!history/GCSE/Germany 1918-1939 – Folders 11.2.1-11.2.17</p> <p>Knowledge organisers and revision materials also in the folder - Revision</p> <p>GCSE History 9-1 Edexcel 4 Marker What can you infer? - YouTube</p> <p>GCSE History 9-1 Edexcel 12 Marker 'Explain why' - YouTube</p> <p>GCSE History 9-1 Edexcel 4 Marker 'Different views' - YouTube</p> <p>GCSE History 9-1 Edexcel 4 Marker 'Why Different' - YouTube</p> <p>Edexcel GCSE 9-1 History 16 mark Interpretation question - YouTube</p>

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Health		
Ref	Key Knowledge	Next Steps
1	Factors affecting health and well-being e.g. physical, lifestyle, economic, environmental	https://www.tutor2u.net/hsc/topics/lifestyle-factors https://www.tutor2u.net/hsc/reference/downs-syndrome https://www.pearsonschoolsandfecolleges.co.uk/asset-library/pdf/FE-Vocational/btec-tech-award-health-social-care/btec-health-social-care-revision-guide-content-samples.pdf BTEC Health and Social Care Revision Guide ISBN: 9781292245614 (Section on Learning Aim A)
2	Physiological indicators used to measure health and well being	https://www.nhs.uk/live-well/healthy-weight/bmi-calculator/ (BMI) https://www.youtube.com/watch?v=baLYBXcglmk (Peak Flow) https://www.nhs.uk/common-health-questions/accidents-first-aid-and-treatments/how-do-i-check-my-pulse/ (Heart Rate) BTEC Health and Social Care Revision Guide ISBN: 9781292245614 (Section on Learning Aim B)
3	Lifestyle indicators used to measure health and well being	https://www.nhs.uk/live-well/alcohol-support/calculating-alcohol-units/ (Alcohol) https://www.nhs.uk/live-well/healthy-body/addiction-what-is-it/ (Substance misuse) https://www.nhs.uk/common-health-questions/lifestyle/what-are-the-health-risks-of-smoking/ (Smoking) https://www.nhs.uk/live-well/exercise/exercise-health-benefits/ (Exercise) https://www.nhs.uk/live-well/eat-well/ (Diet) BTEC Health and Social Care Revision Guide ISBN: 9781292245614 (Section on Learning Aim B)
4	Making use of SMART targets	https://www.bettal.co.uk/the-use-of-smart-in-person-centred-care-planning/ BTEC Health and Social Care Revision Guide ISBN: 9781292245614 (Section on Learning Aim C)
5	Application to case studies	Use of past papers that can be found on the pupil drive, Health and Social Care, Component 3 folder. BTEC Health and Social Care Revision Guide ISBN: 9781292245614



ICT		
	Key Knowledge	Next Steps
1	Structure and phases of the Project Life Cycle	Cambridge Nationals I.T.: The Project Life Cycle (LO1 #1) - YouTube J:\IT\Next Steps\Year 11 IT1_Structure and phases of the PLC
2	Methods used to collect and store data	Cambridge Nationals I.T.: Data and Information (LO3 #1) - YouTube J:\IT\Next Steps\Year 11 IT2_Data and information and methods used to collect and store data
3	Applications and use of data	J:\IT\Next Steps\Year 11 IT3_Applications and use of data
4	Cyber-security attacks and vulnerabilities	J:\IT\Next Steps\Year 11 IT4_Cyber security attacks and vulnerabilities
5	Impacts and consequences of a cyber-security attack on stakeholders	J:\IT\Next Steps\Year 11 IT5_Impacts and consequences of a cyber-security attack on stakeholders
6	IT legislation	J:\IT\Next Steps\Year 11 IT6_IT legislation
7	Planning tools	Cambridge Nationals I.T.: Planning Tools (LO1 #5) - YouTube J:\IT\Next Steps\Year 11 IT7_Planning tools
8	Use of spreadsheet and database	Cambridge Nationals I.T.: Databases (LO6 #2) - YouTube Cambridge Nationals I.T.: Spreadsheets (LO6 #1) - YouTube J:\IT\Next Steps\Year 11 IT8_Use of spreadsheet and database



ICT ASDAN		
Ref	Key Knowledge	Next Steps
1	Structure and phases of the Project Life Cycle	Cambridge Nationals I.T.: The Project Life Cycle (LO1 #1) - YouTube J:\IT\Next Steps\Year 11 IT1_Structure and phases of the PLC
2	Methods used to collect and store data	Cambridge Nationals I.T.: Data and Information (LO3 #1) - YouTube J:\IT\Next Steps\Year 11 IT2_Data and information and methods used to collect and store data
3	Applications and use of data	J:\IT\Next Steps\Year 11 IT3_Applications and use of data
4	Cyber-security attacks and vulnerabilities	J:\IT\Next Steps\Year 11 IT4_Cyber security attacks and vulnerabilities
5	Impacts and consequences of a cyber-security attack on stakeholders	J:\IT\Next Steps\Year 11 IT5_Impacts and consequences of a cyber-security attack on stakeholders
6	IT legislation	J:\IT\Next Steps\Year 11 IT6_IT legislation
7	Planning tools	Cambridge Nationals I.T.: Planning Tools (LO1 #5) - YouTube J:\IT\Next Steps\Year 11 IT7_Planning tools
8	Use of spreadsheet and database	Cambridge Nationals I.T.: Databases (LO6 #2) - YouTube Cambridge Nationals I.T.: Spreadsheets (LO6 #1) - YouTube J:\IT\Next Steps\Year 11 IT8_Use of spreadsheet and database

Music		
Ref	Key Knowledge	Next Steps
1	Elements	VLE Bitesize - Elements WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers
2	Listening and Appraising: Forms and Devices	VLE Bitesize: Forms and Devices WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers



3	Listening and Appraising: Ensembles	VLE Bitesize: Ensembles WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers
4	Listening and Appraising: Film Music	VLE Bitesize: Film Music WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers
5	Listening and Appraising: Pop Music	VLE Bitesize: Pop Music WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers
6	Analysis of set works (Bach and Toto)	VLE WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers
7	Performance	VLE Bitesize: Performance WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers
8	Composition	VLE Bitesize: Composition WJEC/Eduqas GCSE Music Revision Guide Knowledge Organisers

PE		
Ref	Key Knowledge	Next Steps
1	Practical Performance	Perform with confidence, demonstrating quality in complex or demanding techniques in a range of activities. Use a range a range of tactics and strategies to overcome opponents in team and individual sports. Knowledge organisers \Remote Learning\Year 11\PE Attend extra- curricular sports and physical activity clubs. Attend sports clubs outside of school.
2	Creativity	When leading a session use creativity to adapt the activities to suit the needs of all of the participants. Knowledge organisers \Remote Learning\Year 11\PE Attend extra- curricular sports and physical activity clubs.
3	Leadership	Explain and effectively apply organisational and communication skills when leading a group of peers Selecting the JSLA course you will lead each other in 2 20-minute sessions. You will also be assessed in leading a Year 2 multi skills event. Opportunities to lead and coach each other as a part of sports ed. Knowledge organisers \Remote Learning\Year 11\PE
4	Performance Analysis	Analyse a skill performance identifying strengths and areas for development. Plan a successful practice to improve the areas for development you have found. Knowledge organisers \Remote Learning\Year 11\PE



5	Healthy Active Lifestyle	Select appropriate training methods and apply the additional principles of training. Fitness test results are used to set challenging individual health and fitness goals. Knowledge organisers \Remote Learning\Year 11\PE
6	Rules and Officiating	Successfully fulfil a variety of officiating roles in a range of sporting activities by consistently and competently applying the rules to ensure a safe and fair contest. Knowledge organisers \Remote Learning\Year 11\PE You will be given opportunities to umpire as a part of the sports ed course.
7	Teamwork and Values	Contribute positively to planning and analysing tasks making contributions that can help you/your team to improve and develop. Knowledge organisers \Remote Learning\Year 11\PE Working in teams as a part of the Sports Ed Course. Attend extra- curricular sports and physical activity clubs.

Performing Arts

Ref	Key Knowledge	Next Steps
1	Understand purpose and influence on stylistic qualities	Refer to work on purpose and style/knowledge organisers
2	Understand the roles and responsibilities of practitioners	Refer to work on roles and responsibilities and information available on BBC Bitesize Drama
3	Analysis of one piece of repertoire	Refer to guidance on pupil drive and notes on each repertoire for completion of presentations
4	Presentation skills	Refer to guidance and examples on pupil drive
5	Knowledge of interrelationships between process, techniques and approaches to repertoire	Refer to workshops and lessons

Physics

Ref	Key Knowledge	Next Steps
1	Stopping Distance	Stopping distance (thenational.academy)



2	Displacement and Velocity time graphs	Distance: Time graphs (thenational.academy) Velocity: Time Graphs (thenational.academy)
3	Vectors and Scalars	Forces: an introduction (thenational.academy)
4	Hooke's Law practical	Forces and elasticity (Part 1) (thenational.academy)
5	Applying Newton's Laws of motion	Newton's Laws (thenational.academy)
6	Calculations of forces and motion	Acceleration Required Practical (Part 1) (thenational.academy)

Spanish		
Ref	Key Knowledge	Next Steps
1	Listening and Reading: can identify overall message, key points, and details in spoken and written Spanish; can respond effectively to complex and extended passages of spoken and written Spanish	<p>General foundation practice: https://app.memrise.com/course/1256350/aqa-gcse-spanish-9-1/</p> <p>General higher practice: https://app.memrise.com/course/193647/aqa-gcse-spanish-vocabulary/</p> <p>Reading practice: https://app.memrise.com/course/5974614/overlap-reading-practice-lessons/ https://app.memrise.com/course/5975034/higher-readinggrammar-practice-lessons/ https://app.memrise.com/course/5518223/2018-higher-reading/ https://app.memrise.com/course/6113785/reading-ppe-foundation-vocab-revision/</p> <p>Listening practice: https://app.memrise.com/course/6103814/overlap-listening-practice/ https://app.memrise.com/course/5518217/2018-higher-listening/ https://app.memrise.com/course/6113436/listening-ppe-foundation-vocab-revision/</p>
2	Writing: can use accurate vocabulary and grammar to explain ideas, and express and justify opinions with increasing complexity	<p>https://app.memrise.com/course/5571211/excellence-in-writing-spanish/5/ https://app.memrise.com/course/6109563/foundation-writing-practice/</p> <p>https://app.memrise.com/course/1128083/complex-structures/ https://app.memrise.com/course/1128916/giving-opinions-reasons/</p>



Sport		
Ref	Key Knowledge	Next Steps
1	Physiological, psychological and tactical factors affecting sporting performance.	Remote Learning – Year 11 – Exam PE - UNIT 1 PowerPoints & workbooks available in the Assignment 1 folder for each physiological, psychological & tactical task.
2	How to measure sporting performance.	Remote Learning – Year 11 – Exam PE - UNIT 1 PowerPoints & workbooks available in the Assignment 2 folder for each physiological, psychological & tactical task.
3	How to improve sporting performance	Remote Learning – Year 11 – Exam PE - UNIT 1 PowerPoints & workbooks available in the Assignment 4 folder for each physiological, psychological & tactical task.
4	Review options for improvements in sporting performance.	Remote Learning – Year 11 – Exam PE - UNIT 1 PowerPoints & workbooks available in the Assignment 3/ Assignment 4 folder for each physiological, psychological & tactical task.

Textiles		
	Key Knowledge	Next Steps
1	Develop fresh ideas that have contextual meaning.	Knowledge organisers and guidebook. art and design guide art and design guide (VLE Link)
2	Write about artists showing personal understanding.	Knowledge organisers and guidebook. art and design guide art and design guide (VLE Link)
3	Explore a wide range of materials and a variety of textile techniques.	Knowledge organisers and guidebook. art and design guide

Maricourt Catholic High School

Key areas of knowledge and skills

Year 11 Autumn Term 2021



		art and design guide (VLE Link)
4	Show skill and improvement using materials.	Knowledge organisers and guidebook. art and design guide art and design guide (VLE Link)
5	Drawing skills (including PRIMARY observation).	Knowledge organisers and guidebook. art and design guide art and design guide (VLE Link)
6	Photography skills and use of primary research.	Knowledge organisers and guidebook. art and design guide art and design guide (VLE Link)
7	Use of self-evaluation.	Knowledge organisers and guidebook. art and design guide art and design guide (VLE Link)