

Year 10 Summer 2021

Mock exams

Revision pack



THE WESTLEIGH SCHOOL
Aspiring & Achieving Together



Please speak to your teachers and make sure that you are aware of the following:

- The subjects in which you are completing assessments.
- Your class for each subject.
- The tier of entry for each subject (Higher or Foundation).

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Please see your teachers for specific guidance on revision for all other subjects.

Year 10 Assessment Timetable: June 2021

	Period 1	Period 2	Period 3	Period 4	Period 5
Monday 21st	Mathematics Assessment 1: Calculator (Foundation: 75mins, Higher: 75mins, Nurture : 60mins)		Hospitality and Catering (Revision 30 mins, Exam 1 hr)		
Tuesday 22nd	Option C (2hr)		Option C - Art, Photography, Drama (1hr),		
Wednesday 23rd	History (1hr 20 mins), Geography (1hr 30mins), French Writing Foundation (1 hr), French Reading Foundation (45 mins)		Option C History (1hr 20 mins)		
Thursday 24th	English Language Paper 1 (1hr 45mins)		Option B (2hr) Computer Science (1hr 45mins)		Option B - Art, Drama (1hr)
Friday 25th	Biology Paper 1 (1 hr 15mins) Triple Biology Paper 1 (1hr 45mins)				

	Period 1	Period 2	Period 3	Period 4	Period 5
Monday 28th	Mathematics Assessment 2: Non Calculator (Foundation: 75 mins, Higher: 75mins Nurture 60mins)		Sports Studies (1hr)		
Tuesday 29th	English Literature: Poetry (45mins)		French listening (35 mins)		
Wednesday 30th	History (1hr 15 mins)		Triple Science Physics Paper 1 (1hr 45mins)		
Thursday 1st July	Chemistry Paper 1 (1 hr 15mins) Triple Chemistry Paper 1 (1hr 45mins)				
Friday 2nd July	Mathematics Assessment 3: Calculator (Foundation: 75mins, Higher: 75mins)		Sport Studies (Practical)		

	Period 1	Period 2	Period 3	Period 4	Period 5
Monday 5th July	Health and Social Care Exam (for pupils who missed previously)				
Tuesday 6th July	Sports Studies Orienteering				
Wednesday 7th July					
Thursday 8th July	Construction - Exam				

Maths (Higher) Revision- 10A1 & 10A2

Assessment 1	Non Calc – 75 minutes
Assessment 2	Calc – 75 minutes
Assessment 3	Calc – 75 minutes

Revision lists					
Assessment 1	Revised	Assessment 2	Revised	Assessment 3	Revised
Calculations with fractions		Index Laws		Scatter Graphs	
Ratio problems including area and probability		HCF & LCM		Expanding brackets	
Percentages problems		Equation of a line		Area	
Compound measures		Ratio and percentages problems		Probability including tree diagrams	
Elevations		Constructing and using quadratic, circle and simultaneous equations graphs		2D and non-right angle trigonometry	
Surface area of pyramids		Compound measures		Solving equations	
Co-ordinates and perpendicular lines		Probability including tree diagrams		Angles in polygons	
Transformations		Functions		Standard form	
Powers & roots		Distance time graphs		LCM problems	
Box plots		Histograms		Percentages problems	
Surds		3D Trigonometry		Speed time graphs	
Factorising quadratics		Surface area of a sphere		Quadratic sequences	
Quadratic inequalities		Surds including rationalising the denominator		Venn diagrams	
Proportion graphs		Bounds		Real life graphs	

Maths (Foundation) Revision- 10A3, 10A4, 10A5, 10B1, 10B2 & 10B3

Assessment 1	Calc – 75 minutes
Assessment 2	Non Calc – 75 minutes
Assessment 3	Calc – 75 minutes

Revision lists					
Assessment 1	Revised	Assessment 2	Revised	Assessment 3	Revised
Types of number		Factors & multiples		2D shapes	
Averages from a list and from a table		BIDMAS		Rounding & decimals	
Sequences		Reading from bar charts		Co-ordinates and straight lines	
Forming and solving equations		Angle facts including angles in parallel lines		Substitution	
Ratio including with money		Decimals and calculations		Probability problems	
Substitution		Venn diagrams		Pie charts	
Transformations		Fractions of amounts with calculations		Error intervals	
Money problems		Solving equations and inequalities		Forming and solving equations	
Fractions of amounts with calculations		Percentages		Percentages	
Percentages		Area of 2D shapes		Pythagoras	
HCF & LCM		Scales		Averages	
Probability problems		Distance time graphs		Index laws	
Compound measures		Probability		Scatter graphs	
Loci		Similar shapes			

Maths Revision- 10B4

Assessment 1	Calc – 60 minutes
Assessment 2	Non Calc – 60 minutes
Assessment 3	Calc – 60 minutes

Revision lists					
Assessment 1	Revised	Assessment 2	Revised	Assessment 3	Revised
Types of number		Factors & multiples		Substitution & rearranging formula	
Averages from a list		BIDMAS		Rounding & decimals	
Scatter graphs		Substitution		Co-ordinates and straight lines	
Forming and solving equations		Angle facts including angles in parallel lines		Venn diagrams	
Money problems		Decimals and calculations		Probability problems	
Fractions of amounts with calculations		Fractions of amounts with calculations		Pie charts	
Percentages		Percentages		Forming and solving equations	
HCF & LCM		2D shapes		Percentages	
Probability problems		Scales		Reading bar charts	
		Index laws		2D shapes	
		Probability		Decimal calculations	

English Language and Literature Revision Year 10

You will complete 2 assessments between Monday 21st June and Friday 2nd July.

English Language P1	Explorations in creative reading and writing
English Literature P2 Section A	An Inspector Calls

Revision lists – These refer to units of study on Seneca Learning

English Language: AQA GCSE	Revised	English Lit: AQA GCSE An Inspector Calls	Revised	English Lit: GCSE An Inspector Calls - Quotations	Revised
1.1 Key terms (5 units)		1.1 Act One (2 units)		1.1.1 Mr Birling (Act one)	
2.1 Language devices (14 units)		2.1.1 Social Class and equality		1.2.1 Mrs Birling (Act one)	
2.2 Writing structure (7 units)		2.1.2 Class tension		1.3.1 Sheila (Act one)	
3.1 Reading: Structuring your answers (8 units)		2.1.3 Abuse of power and corruption		1.4.1/2 Eric (Act one)	
4.1 Writing: Structuring your answers (5 units)		2.1.4 Socialism vs Capitalism		1.5.1 Gerald (Act one)	
				1.6.1 Inspector Goole (Act one)	

SCIENCE Revision Year 10

Assessment 1	Biology Paper 1
Assessment 2	Chemistry Paper 1

Assessment 1: Biology	Revised	Assessment 2: Chemistry	Revised
Cell Structure and Transport		Atomic Structure	
Cell division		The Periodic Table	
Organisation and the digestive system		Structure and Bonding	
Organising plants and animals		Chemical calculations	
		Chemical changes	
		Electrolysis	
		Energy changes	

Geography Revision Year 10

Revision lists					
Paper 1 Section A	Revised	Paper 1 Section B	Revised	Paper 1 Section C	Revised
I can describe the movement and associated tectonic hazards with each type of plate boundary (destructive, constructive and conservative).		I can describe the distribution of major biomes using a map.		I can identify coastal landforms from an OS map.	
I can describe the internal structure of the earth and how it is connected to causing tectonic hazards.		I can explain the distribution of tropical rainforests.		I can explain the formation of dunes.	
I can describe natural causes of climate change.		I can identify a biome using climate data.		I can explain the formation of cave, arches, stacks and stumps.	
I can describe evidence of climate change.		I can explain a range of advantages and disadvantages of developing the rainforest.		I can evaluate a range of hard and soft engineering.	
I can explain human causes of climate change.		I can explain how the rainforest can be managed sustainably.		Paper 1 Geographical Skills	
I can describe the track of a hurricane using a satellite image.		I can discuss (using an example) a range of opportunities and challenges of economic activity in a hot environment.		I can give and read four figure grid references.	
I can explain what happens to wind speed as a tropical storm reaches land.				I can measure scale on an OS map.	
I can discuss (using an example) the effects of tropical storms.				I can describe the trend on a bar chart.	

History Revision Year 10

Revision Lists			
Paper 1 Medicine through time	Revised	Paper 3: Weimar and Nazi Germany	Revised
Use and development of blood transfusions on the Western Front		Berlin Olympics 1936	
Methods of treating battle injuries on the Western Front		The methods to reduce unemployment under the Nazis	
Development of hospital care – 1250 - 1500 and 1700-1900		Challenges and problems facing the Weimar Republic	
Development of methods of prevention from 1700			
Explanations for the cause of disease 1550-1700			
Development of surgery from 1700 onwards			

Year 10 French Revision

You will complete 3 assessments from Monday 21st June.

Listening

Reading

All themes will be covered in the Listening and Reading assessments. You have key vocabulary below to support your learning: This has been uploaded to Google Classroom, as well as a specimen listening paper to complete on Google Forms. All the links below are on Google Classroom.

Writing

French Foundation Candidates:

Key vocab for Listening and Reading

Foundation Reading:

<https://www.blooket.com/set/60ae266166ad550026e55a57>

Foundation Listening:

<https://www.blooket.com/set/60ae279e97fff0001bcbb4da>

<https://quizlet.com/gb/395624638/french-translation-tasks-foundation-flash-cards/> (Translation tasks)F

For your word writing assessments, please focus on

Leisure (Tv, media etc) (Theme 1)

Holiday (past and future..activities etc) (Theme 2)

Family/Relationships (Theme 1)

We have completed 40/90 word tasks in all these units in class. Use your books to revise please. Re-call what we have already completed in our books.

Remember PANDA, KISS for 40 words!

Please also refer to the tasks below for extra support:

Revision for Writing- 40/90 word pieces of writing

<https://quizlet.com/gb/395631455/5-is-a-magic-number-flash-cards/> (5 is a magic number complex phrases for writing) Please include phrases in the 90 word task.

<https://quizlet.com/gb/343721245/jamfear-verbs-flash-cards/> (JAMFEAR verbs) Use of 3 time frames to achieve a grade 5.

<https://quizlet.com/195218603/idioms-francais-flash-cards/>(Idioms!!)

Don't forget to refer to your Photocard mat too ! 😊

Bonne Chance tout le monde!

Computer Science Revision Year 10

Algorithms

Understand and explain the term algorithm.		Searching and sorting algorithms. Understand how the 2 sorting and the 2 searching algorithms work.		
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Data representation

Convert in both directions between binary/denary/hexadecimal		Know how to convert between different units (bits/bytes/kilobytes etc)		Understand how binary shifts can be used to multiply/divide by powers of 2
Be able to apply a binary shift to a binary number.				

Character Encoding

Understand what a character set is and be able to describe the following character encoding methods: <ul style="list-style-type: none"> • 7-bit ASCII • Unicode 		Describe the purpose of Unicode and the advantages of Unicode over ASCII.		
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Representing Images

Calculate bitmap image file sizes based on the number of pixels and colour depth.		Calculate how many bits per pixel are needed if an image has 2/3/4/5 colours etc		Describe how the number of pixels and colour depth can affect the file size of a bitmap image.
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Representing Sound

Describe the digital representation of sound in terms of: <ul style="list-style-type: none"> - sampling rate - sample resolution. What do they mean?		Calculate sound file sizes based on the sampling rate and the sample resolution.		
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Data Compression

Be able to read Huffman trees		Be able to calculate the number of bits required to store a piece of data compressed using Huffman coding.		Be able to calculate the number of bits required to store a piece of uncompressed data in ASCII.
Convert data into RLE. Eg if given a string or a list of numbers.				

Boolean Logic

Create a logic circuit by drawing the different gates.		Create truth tables for a logic circuit.		Know the symbols for the 4 logic gates and be able to draw them.	
Create truth tables for the following logic gates: <ul style="list-style-type: none"> • NOT • AND • OR • XOR. 					

Software

Explain what is meant by: <ul style="list-style-type: none"> • system software • application software. Give examples of both types of software.		Can explain the 5 functions that an operating system manages.			
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Programming Languages

Explain the main differences between low-level and high-level languages		Know the difference between machine code and assembly language		Understand the advantages and disadvantages of low-level language programming compared with high-level language programming.	
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Computer Systems

Name the 5 components of a CPU and explain what they do		Understand and explain the Fetch-Execute cycle.		Understand the differences between main memory and secondary storage	
Know what the different types of memory are used for and why they are required. <ul style="list-style-type: none"> • RAM • ROM • Cache • Register. 		Explain the effect of the following on the performance of the CPU: <ul style="list-style-type: none"> • clock speed • number of processor cores • cache size. 		Understand the differences between RAM and ROM.	
Explain the operation of solid state, optical and magnetic storage.		Discuss the advantages and disadvantages of solid state, optical and magnetic storage.			