



St Antony's
Roman Catholic School

ASPIRE + BELIEVE + ACHIEVE

Year 11 Mock Examination Information February 2023

You should cross out subjects where mock exams do not apply to you.

Name:

Useful links:

[How to manage your time](#)

[Procrastination – How to Beat it](#)

[STAR Workshop Session 1](#)

[STAR Workshop Session 6](#)

[STAR Workshop Session 2](#)

[STAR Workshop Session 7](#)

[STAR Workshop Session 3](#)

[STAR Workshop Session 8](#)

[STAR Workshop Session 4](#)

[STAR Workshop Session 9](#)

[STAR Workshop Session 5](#)

[STAR Workshop Session 10](#)



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Computer Science

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Art, Craft & Design (Fine Art/Graphicis/Textiles/Photography)

Food Preparation & Nutrition

Engineering



Maths

You will need the following equipment for your Maths examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator
- Protractor
- Pair of Compasses

Assessment Dates and length of Assessments: ALL DATES ARE PROVISIONAL

- Thursday 23rd February: Paper 1 (non-calc) – 1 hr 30 mins
- Monday 27th February: Paper 2 (calc) - 1 hr 30 mins
- Wednesday 1st March: Paper 3 (calc) - 1 hr 30 mins

Area of curriculum assessed: Paper 1, Paper 2, Paper 3

What you will need to revise for this assessment:

FOUNDATION

Paper	1F NON CALCULATOR (F)
Algebra	Simplify and manipulate expressions using laws of indices
Algebra	Linear and non-linear sequences of diagrams and numbers
Algebra	Substitute values into formulae and expressions
Algebra	Solve linear inequalities
Algebra	Graphs of quadratic functions
Algebra	Roots, intercepts, turning points of quadratic functions
Geometry	Transformations
Geometry	Plans and elevations of 3D shapes
Geometry	Exterior and interior angles
Geometry	Exact values of $\sin \theta$ and $\cos \theta$ and $\tan \theta$
Number	Apply four operations
Number	Order numbers
Number	Calculate exactly with fractions
Number	Approximation and estimation
Number	Calculate exactly with fractions
Number	Primes, factors, multiples
Number	Standard form
Probability	Theoretical probability; appropriate language; 0-1 probability scale
Probability	Probabilities of an exhaustive set of outcomes Enumerate sets and combinations of sets systematically; two-way tables, Venn diagrams and tree diagrams
Probability	diagrams
Ratio	Change between standard units and compound units
Ratio	Use standard units of measure and related concepts
Ratio	Solve problems involving direct and inverse proportion
Ratio	Stem and leaf diagrams
Ratio	Ratio in real context



Ratio	Use compound units
Statistics	Pictograms
Statistics	Bar charts
Statistics	Percentages and problems involving percentage change

Paper	2F CALCULATOR (F)
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Algebra	Coordinates in all four quadrants
Algebra	Circle definitions and properties
Algebra	Substitute values into formulae and expressions
Algebra	BIDMAS and inverse operations
Algebra	Graphs of linear functions
Algebra	Simplify and manipulate expressions using laws of indices
Algebra	Expand and factorise expressions
Algebra	Solve two simultaneous equations
Geometry	Conventional geometrical terms and notation
Geometry	Parallel lines
Geometry	Properties of angles
Geometry	Transformations
Geometry	Rounding; Inequality notation to specify error interval
Number	Apply four operations
Number	Primes, factors, multiples
Number	Order numbers
Number	Apply four operations
Number	Geometrical problems on coordinate axes
Number	Solve problems involving direct and inverse proportion
Number	Rounding; Inequality notation to specify error interval
Probability	Enumerate sets and combinations of sets systematically; two-way tables, Venn diagrams and tree diagrams
Probability	Independent and dependent combined events
Ratio	Percentages and problems involving percentage change
Ratio	Scale factors, scale diagrams and maps
Ratio	Change between standard units and compound units
Ratio	Percentages and problems involving percentage change
Ratio	Use compound units
Ratio	Change between standard units and compound units
Ratio	Growth and decay, compound interest
Statistics	Measures of central tendency (median, mean, mode and modal class)
Statistics	Vertical line charts
Statistics	Ratio in real context
Statistics	Two way tables
Statistics	Frequency tables
Statistics	Measures of central tendency (median, mean, mode and modal class)



Paper	3F CALCULATOR (F)
Algebra	Simplify and manipulate algebraic expressions and fractions
Algebra	Generate terms of a sequence
Algebra	Linear and non-linear sequences of diagrams and numbers
Algebra	Expand expressions
Algebra	Solve linear equations
Algebra	Factorise expressions
Algebra	Substitute values into formulae and expressions
Algebra	Rearrange formulae to change the subject
Geometry	Properties of 2D shapes
Geometry	Scale drawings and bearings
Geometry	Area of triangles, parallelograms, trapezia
Geometry	Parallel lines
Geometry	Pythagoras's Theorem and Trigonometry
Geometry	Translate situations or procedures into algebraic expressions, formulae or equations
Number	Calculate exactly with fractions
Number	Primes, factors, multiples
Number	Roots and powers
Number	Apply four operations
Number	Rounding; Inequality notation to specify error interval
Number	Primes, factors, multiples
Probability	Theoretical probability; appropriate language; 0-1 probability scale
Probability	Randomness, fairness and equally likely events
Ratio	One quantity as a fraction of another
Ratio	Scale factors, scale diagrams and maps
Ratio	Ratio notation, reduction to simplest form
Ratio	Percentages and problems involving percentage change
Ratio	Use compound units
Ratio	Change between standard units and compound units
Ratio	Percentages and problems involving percentage change
Statistics	Measures of spread (range, including consideration of outliers, quartiles and inter-quartile range)
Statistics	Measures of central tendency (median, mean, mode and modal class)
Statistics	Frequency polygons

HIGHER

Paper	1H NON CALCULATOR (H)
Algebra	Solve linear inequalities
Algebra	Substitute values into formulae and expressions
Algebra	Graphs of quadratic functions
Algebra	Solve quadratic equations
Algebra	Proofs
Algebra	Distance-time graphs, velocity-time graphs
Algebra	Equation of a circle
Geometry	Exterior and interior angles
Geometry	Surface area and volume
Geometry	Vectors
Geometry	Arc lengths, angles and areas of sectors of circles
Number	Primes, factors, multiples



Number	Standard form
Number	Recurring decimals and their corresponding fractions
Number	Index notation
Probability	Theoretical probability; appropriate language; 0-1 probability scale
Probability	Independent and dependent combined events
Ratio	Ratio in real context
Ratio	Use compound units
Ratio	Construct and interpret equations that describe inverse proportion
Statistics	Measures of central tendency (median, mean, mode and modal class)
Statistics	Cumulative frequency graphs
Statistics	Measures of spread (range, including consideration of outliers, quartiles and inter-quartile range)

Paper 2H CALCULATOR (H)

Algebra	Algebraic manipulation
Algebra	Gradients and intercepts of linear functions
Algebra	Inverse and composite functions; formal function notation
Algebra	Translations and reflections of a function
Algebra	Graphs of trigonometric functions
Algebra	Solve quadratic inequalities
Geometry	Transformations
Geometry	Rounding; Inequality notation to specify error interval
Geometry	Transformations
Geometry	Surface area and volume
Geometry	Sine and cosine rule
Geometry	Circle theorems
Number	Geometrical problems on coordinate axes
Number	Units of mass, length, time, money and other measures (including standard compound measures)
Number	Roots and powers
Probability	Enumerate sets and combinations of sets systematically; two-way tables, Venn diagrams and tree diagrams
Probability	Conditional probability
Ratio	Use compound units
Ratio	Change between standard units and compound units
Ratio	Growth and decay, compound interest
Ratio	Use compound units
Ratio	Solve problems involving direct and inverse proportion
Ratio	Translate situations or procedures into algebraic expressions, formulae or equations
Statistics	Box plots
Statistics	Sampling

Paper 3H CALCULATOR (H)

Algebra	Substitute numbers into a formula
Algebra	Change the subject of a formula
Algebra	Set up simple equations
Algebra	Use algebraic manipulation to solve problems
Algebra	Factorise quadratic expressions using the difference of two squares
Algebra	Use algebraic manipulation to solve problems
Algebra	Simplify rational expressions by cancelling, adding, subtracting, and multiplying
Algebra	Select and apply algebraic and graphical techniques to solve simultaneous equations where one is linear and one quadratic
Geometry	Use trig ratios to solve 2-D and 3-D problems
Geometry	Understand and use vector notation



Geometry	Understand, recall and use Pythagoras' theorem in 2-D, then in 3-D problems
Geometry	Complete a formal geometric proof of similarity of two given triangles
Geometry	Find the angle between a line and a plane (but not the angle between two planes or between two skew lines)
Number	Use index laws to simplify and calculate the value of numerical expressions involving multiplication and division of integer, fractional and negative powers, and powers of a power
Number	Solve word problems
Number	Calculate the upper and lower bounds of calculations, particularly when working with measurements
Probability	Understand selection with or without replacement
Ratio	Use percentages to solve problems
Ratio	Understand and use compound measures, including speed and density
Ratio	Find the gradient of a straight line from a graph
Ratio	Use index laws to simplify and calculate the value of numerical expressions involving multiplication and division of integer, fractional and negative powers, and powers of a power
Ratio	Analyse problems and use gradients to interpret how one variable changes in relation to another
Ratio	Use a multiplier to increase or decrease by a percentage in any scenario where percentages are used
Ratio	Use calculators for reverse percentage calculations by doing an appropriate division
Ratio	Find a specific term in a sequence using the position-to-term and term-to-term rules
Statistics	Produce frequency polygons for grouped data
Statistics	Produce histograms from class intervals with unequal width
Statistics	Use and understand frequency density



English Language

You will need the following equipment for your English Language examination:

- Black pen (please have a spare)
- Highlighter (spares will be available in the exam)

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- **Thursday 23rd February: Paper 2 – 1 hour 45 mins**

Area of curriculum assessed: **GCSE English Language Paper 2**

What you will need to revise for this assessment:

- The level of vocabulary and inference needed to do well in the Language exams is extremely high. Students need to be frequently reading texts that challenge their knowledge, thinking and ideas. Go online and see which books will challenge you, use the following link to help. Your English teacher can provide books and advice too. [Best Young Adult Books \(12655 books\) \(goodreads.com\)](#)
- Students also need to read a variety of non-fiction texts to enhance their analytical skills. Reading newspapers and magazines would really help you with this.
- Use BBC Bitesize to revise English Language techniques. Mr Bruff is an English teacher who has his own YouTube channel. His work is really helpful. Find his channel here: [Mr Bruff - YouTube](#)
- Students will need to know language features and structure devices.



Combined Science

You will need the following equipment for your Science examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler
- Scientific calculator

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- Wednesday 22nd February: Combined Science Biology 1 hr 10mins
- Monday 27th February: Combined Science Chemistry 1 hr 10mins

Area of curriculum assessed: **Biology paper 2**

What you will need to revise for this assessment:

Foundation tier

Topic	Green revision guide pages	Blue revision guide pages
Plant and animal cells	1	1
Different kinds of cell	2	2
Dealing with numbers	4	4
Making an onion cell slide	5-6	5-6
Photosynthesis	49	50
Photosynthesis rate of reaction experiment	49-50	50-51
Specialised plant cells	52	53
Transpiration	53	54
Blood	64	68
Blood vessels	65	69
The heart	66	70
Aerobic respiration	67	71
Human effects on ecosystems	77	81
The carbon cycle	79	83
The water cycle	80	84

Higher tier

Topic	Blue revision guide pages
Dealing with numbers	4
Specialised plant cells	53
Transpiration	54



Hormones	58
Adrenalin and thyroxine	59
The menstrual cycle	60
Diabetes	64
Blood vessels	69
Aerobic respiration	71
Parasitism and mutualism	78
Fieldwork techniques	79
Human effects on ecosystems	81
Biodiversity	82
The nitrogen cycle	85

Area of curriculum assessed: **Physics paper 6**

What you will need to revise for this assessment:

Foundation tier

Topic	Green revision guide pages	Blue revision guide pages
Work, energy and power	199	213
Energy and forces	200	214
Circuit symbols	202	219
Series and parallel circuits	203	220
Current and charge	204	221
Ohm's law	206	223
Energy and power	212	229
Mains electricity and the plug	214	231
Magnets and magnetic fields	216	233
Current and magnetism	217	234
Changes of state	221	240
Density	222	241
Investigating density	223	242
Energy and changes of state	224	243
Thermal properties of water	225	244

Higher tier

Topic	Blue revision guide pages
Potential and kinetic energy	186
Work, energy and power	213
Circuit symbols	219
Series and parallel circuits	220
Ohm's law	223
The LDR and the thermistor	227



Magnets and magnetic fields	233
Current, magnetism and force	235
Changes of state	240
Density	241
Investigating density	242
Energy and changes of state	243
Thermal properties of water	244
Pressure	245



RE

You will need the following equipment for your RE examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- Friday 24th February: 1 hour 30 mins

Area of curriculum assessed: **Paper 1 & 2**

What you will need to revise for this assessment:

- Good and Evil
- Sin and Forgiveness

Resource support to help with revision:

Knowledge organisers given out in class

Seneca tasks to follow



History

You will need the following equipment for your History examinations:

- Black Pen x 2

Assessment Dates and length of Assessments: ALL DATES ARE PROVISIONAL

- **Wednesday 22nd February:** Paper 1 Crime and Punishment in Britain c1000-Present
1 hr 15 mins
- **Wednesday 1st March:** Paper 2 Elizabeth I
55 mins
- **Tuesday 28th February:** Paper 3 Weimar Germany
1hr 20 mins

Area of curriculum assessed:

Paper 1 - Crime and Punishment in Britain c1000-Present, Paper 2 – Elizabeth I, Paper 3 – Weimar Germany

What you will need to revise for this assessment:

- All the work you have done on Weimar Germany, Crime and Punishment and Elizabeth in old exercise books, homework and other materials
- Revision guides (CGP)
- BBC Bitesize
- <https://www.bbc.co.uk/bitesize/topics/zymqwx>
- Revision materials provided in class



Geography

You will need the following equipment for your Geography examinations:

- Black Pen x 2
- Pencil
- Ruler
- Calculator

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- Tuesday 21st February: Paper 1 Component 1 - 1 hr 45 mins
- Friday 24th February: Paper 2 Problem Solving 1hr 30 mins

Area of curriculum assessed:

Paper 1

Theme 1 – Development (Revision Guide Pages 82 – 91) More is found in Y11 Red Book.

Theme 2 Weather and Climate (Revision Guide Pages 7-13) and your Weather and Climate workbook

Theme 3 Ecosystems (Revision Guide Pages 30 -41) More found in Y10 Red Book.

Paper 2

Problem Solver – How to prepare and cope with Tropical Hurricanes.

What you will need to revise for these assessments:

- Red books / Workbook
- Revision Guide Booklets
- Seneca learning - click this link to access questions
<https://app.senecalearning.com/dashboard/class/aojsgfxtol/assignments/assignment/01b43941-27a3-4c77-911e-8277f627269f>
- Access the centralised revision hub on SharePoint which has everything you need to succeed. Click on the link:
<https://lvestantonys.sharepoint.com/sites/Year11RevisionMaterials>

These webpages will also help:

- <https://www.bbc.co.uk/bitesize/topics/z83ptyc>
- <https://www.bbc.co.uk/bitesize/topics/zwrfnbk>
- <https://www.bbc.co.uk/bitesize/topics/z8fspbk>



Computer Science

You will need the following equipment for your Computer Science examination:

- Black Pen x 2
- Pencil
- Rubber
- Ruler

Assessment Dates and length of Assessments: ALL DATES ARE PROVISIONAL

- Tuesday 21st February: Paper 1: 1hr 30mins
- Tuesday 28th February : Paper 2: 1hr

What you will need to revise for this assessment:

Topic Specific Revision - Paper 1

This component will assess:

1.1 Systems architecture

- What is the purpose of a CPU?
- What are the registers in the Von Neumann Architecture and what is their purpose?

1.2 Memory and storage

- What is the difference between RAM and ROM
- What data can a TV store in RAM?
- Why does a TV need secondary storage?
- Best secondary storage for a TV with justification – Solid State, Magnetic, Optical – You need to remember the different characteristics of these.
- Convert different file sizes into equivalents
- Conversion from binary to denary
- Conversion from hexadecimal into denary
- Why do computers use binary form?
- Binary addition
- How to perform a left shift and right shift in binary
- How is analogue sound converted into digital form?
- Sound Files – Effects of Sample Rate & Sound Duration
- ASCII – Characters – Know your Alphabet
- What is Image Metadata?
- What are advantages of Compression with files?
- Why can Compression not be used with all files?



1.3 Computer networks, connections and protocols

- Factors effecting the performance of networks
- The role of a Webserver and Domain Name Server
- Internet Protocols
- Why is Ethernet a Standard?
- What tasks does a router carry out?

1.4 Network security

- What is encryption and why should we use it?
- What physical security can be used to protect computer systems?
- What are two software-based security methods can we use to protect systems and data?

1.5 Systems software

- No Topics

1.6 Ethical, legal, cultural and environmental impacts of digital technology

- Data Protection Act, Computer Misuse Act and Copyright Design and Patents Act – What do they protect?

8 Mark Question

- Social networking websites use artificial intelligence (AI) to monitor posts from users.

Discuss the positive and negative uses of AI by social networking websites including:

- Legal issues (What Laws does this affect?)
- Ethical issues (What is right and wrong?)
- Privacy Issues (Protecting the innocent?)

Areas to consider – cultural implications, technology, ethical implications, environmental issues.

Topic Specific Revision - Paper 2

This component will assess:

2.1 – Algorithms

- What does decomposition mean?
- What does abstraction mean?
- Flow chart symbols?
- Merge Sorting Algorithm



- Describe the steps taken in Binary Search?
- What are the steps in a Linear Search?

2.2 – Programming Fundamentals

- Know the different data types – String, Integer, Boolean, Real/Float
- How to recognise selection or iteration in programs?
- How to increase a variable score by 1
- How to create a programs using python code.
- Functions in python.
- Know how to calculate the average
- What does the term casting mean?
- Trace Tables
- SQL Statements

2.3 – Producing Robust Programs

- How do we maintain programs – what's best practice?
- What do we mean by logic errors?
- Create suitable Test Data

2.4 – Boolean Logic

- Logic Gates – AND, OR and NOT gates
- What is the purpose of a truth table?

2.5 – Programming Languages and IDEs

- What is the purpose of programming languages and translators?



Business

You will need the following equipment for your Business examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- **Wednesday 1st March: 2 hours**

Area of curriculum assessed: **Paper 1**

What you will need to revise for this assessment:

- Business activity
- Influences on Business
- Business operations
- Marketing
- Human Resources
- Finance

Resource support to help with revision:

Revision guides given to you in class

Seneca tasks to follow



French

You will need the following equipment for your French examinations:

- Black pen (please have a spare)

Assessment Dates and length of Assessments: ALL DATES ARE PROVISIONAL

- Tuesday 21st February: Paper 1 Higher: Listening – 45mins
Foundation: Listening – 35mins
- TBC: Paper 2 Higher: Speaking – 10-12 minutes (plus preparation time)
Foundation: Speaking – 7-9 minutes (plus preparation time)
- Tuesday 21st February: Paper 3 Higher: Reading – 1hour
Foundation: Reading – 45mins
- Tuesday 28th February: Paper 4 Higher: Writing – 1 hour 15mins
Foundation: Writing – 1hour

Area of curriculum assessed:

Theme 1: Identity and culture

Theme 1: Identity and culture covers the following four topics with related sub-topics shown as bullet points:

Topic 1: Me, my family and friends

- Relationships with family and friends
- Marriage/partnership

Topic 2: Technology in everyday life

- Social media
- Mobile technology

Topic 3: Free-time activities

- Music
- Cinema and TV
- Food and eating out
- Sport

Topic 4: Customs and festivals in French-speaking countries/communities

Theme 2: Local, national, international and global areas of interest

Theme 2: Local, national, international and global areas of interest covers the following four topics with related sub-topics shown as bullet points:

Topic 1: Home, town, neighbourhood and region



Topic 2: Social issues

- Charity/voluntary work
- Healthy/unhealthy living

Topic 3: Global issues

- The environment
- Poverty/homelessness

Topic 4: Travel and tourism

Theme 3: Current and future study and employment

Theme 3: Current and future study and employment covers the following four topics:

Topic 1: My studies

Topic 2: Life at school/college

Topic 3: Education post-16

Topic 4: Jobs, career choices and ambitions

- Use the structure, support and success booklet given to you in class (also emailed to you pages 1-40 foundation section and pages 40- 68 higher section). Any work you complete in the booklet give to me and I will mark it.
- BBC bitesize is a really useful website to help you revise <https://www.bbc.co.uk/bitesize/examspecs/zr8bmfr> it is broken down into the themes and key grammar.
- Study the 'croissant' acronym sheet given to you in class – this should be in your vocabulary book.
- Read through the kate languages sample questions given to you in class – annotate the questions with the English translations and write a plan for the questions.
- Use Quizlet – join the class <https://quizlet.com/join/52FrgAgm3> and study the sets / play the games to help you memorise the key verbs / vocabulary or make your own interactive flashcards with the key verbs / vocab that you are struggling to remember.
- Refer to the French GCSE CPG revision guide and work through the tasks.
- Remember little and often is best. Cramming the night before your exam won't work.
- Any problems, don't hesitate to ask!

WHEN WRITING IN FRENCH, DON'T FORGET YOUR:

C	R	O	I	S	S	A	N	T
connectives	reasons	opinions	intensifiers	super	structures	adverbs	negatives	time phrases
et and	parce que because	je pense que I think that	un peu a little	je souhaite... I wish to...	d'habitude usually	ne ... pas not	aujourd'hui today	
aussi also	puisque since	je crois que I believe that	assez quite	j'espère... I hope to...	normalement normally	ne ... jamais never	hier yesterday	
en plus moreover	pourtant however	moi perso personally	absolument absolutely	je veux... I want to...	souvent often	ne ... plus no longer / not anymore	après after	
donc therefore	comme as	à mon avis in my opinion	vraiment really	je suis en train de... I am in the process of...	toujours always	ne ... que only	avant before	
mais but	néanmoins nevertheless	il me semble que it seems to me that	extrêmement extremely	j'ai l'intention de... I intend to...	rapidement quickly	ne ... rien nothing	ensuite next	



Music

You will need the following equipment for your Music examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- **Wednesday 22nd February:** **The Music Industry – 1 hour**

Area of curriculum assessed: **The Music Industry**

What you will need to revise for this assessment:

- *Job Roles/responsibilities*
- *Unions*
- *Agencies/Licensing*
- *Employment types/contracts/wages/taxes*
- *Health and Safety*
- *Venues*
- *Organisations*
- *Publishing*

You will be given revision guides and your workbook to continue working through during the half term break.



Art, Craft & Design (Fine Art/Graphicis/Textiles/Photography)

You will need the following equipment for your Art, Craft & Design examination:

- All sketchbooks and portfolio work must be handed in on the first day of assessment.
- Your own photographs to support your research and investigation
- Any specific equipment or materials that aren't readily available e.g. specific canvas / paints (discuss with your teacher beforehand)

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- **Thursday 2nd March: All Day Practical**

Area of curriculum assessed:

Unit 2 – Externally Set Task (40%)

- A04 – Present a personal and meaningful response.

You need to cover the above curriculum areas using the following resources.

- Sketchbook
- Observational drawing
- Refined drawings
- Photographs of suitable subject matter
- Ideas development
- Planning for your final piece



Food Preparation and Nutrition

You will need the following equipment for your Food examination:

- Black pen (please have a spare)

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- **Tuesday 28th February**

Area of curriculum assessed:

- Food, nutrition and health
- Food science
- Food safety
- Food choice
- Food provenance
- Food preparation skills

You need to cover the above curriculum areas using the following resources.

- Papers & mark schemes on Google classroom
- Revision checklist on Google classroom
- Revision quiz on Google classroom
- Quickfire GCSE questions on Google classroom
- Various other resources on Google classroom
- Knowledge Organisers (x5) based on 5 key areas of Food Preparation & Nutrition.



Engineering Design

You will need the following equipment for your Engineering examinations:

- Black pen (please have a spare)
- Pencil
- Rubber
- Ruler

Assessment Date and length of Assessment: ALL DATES ARE PROVISIONAL

- **Friday 24th February**

Area of curriculum assessed: **Unit R105 – Design Briefs, design specifications and user requirements**

What you will need to revise for this assessment:

- The design cycle
 - Identify phase
 - Design phase
 - Optimise phase
 - Validate phase
- Identification of design needs
 - Corporate branding
 - Target audiences
 - Functions and purpose of products
 - Market research methods
 - Manufacturing processes
- The relationship between a design brief and a design specification
- Requirements of a design specification
 - Aesthetics
 - Ergonomics
 - Anthropometrics
 - Product safety
 - Target markets
 - Working environment
 - Product maintenance
 - Standard components
 - Pre-manufactured components
 - Design for manufacturing assembly
 - Design for disassembly
 - Copyright
 - Patents
 - Trademarks
 - British standards
 - European conformity



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Revision Support Document
February 2023

Some useful websites for revision:

www.mr-dt.com

www.technologystudent.com