

Nuneaton Academy

Part of The Midland Academies Trust

Year 10 Mock Exams Guide
19th June-30th July 2023

Dear Parent/Carer

I writing to inform you about the Year 10 Mocks which start on Monday 19th June.

Your child will sit mock examinations which assess your child on all GCSE content they have covered in their various subjects so far this year. All mock examinations will take place in the sports hall under exam conditions with external invigilators. This is an opportunity for your child to experience the exam conditions they will be required to work under next summer in their final examinations. If your child has exam consideration then they will sit their exam with the support they are entitled to in a room in E block. These pupils will be sent an alternative exam timetable before the mock exams.

To prepare for these examinations we have produced guidance for revision for each subject which you can find in this booklet. Each subject has given the topic areas from their specification that will be assessed. They have also given resources for revision for their subject. It is important your child revises for these examinations. This guide is aimed at supporting this process. If you have any queries about revision please contact your child's subject teacher.

In this booklet you will see the exam timetable. On the timetable we have scheduled mop up sessions. These are sessions for pupils who have missed a mock exam. We are making the gym available with invigilators so pupils can do the mocks they may have missed under exam conditions. Your child will be informed on the day if they have to sit an exam in the mop up session. Please make sure your child is prepared for this.

In July you will be given a report which will include and a new forecast grade from your child in each of their GCSE subjects. The mock examination grade your child achieves will help your child's teacher determine the forecast grade they report.

Mock examinations also will help our teachers determine where your child's gaps are and which areas of the specifications teachers need to recover and reteach. These examinations will also help your child see where their strengths and weaknesses lie and help focus their ongoing revision.

If you have any questions regarding the mock examinations please do not hesitate to contact school.

Please encourage your child to revise and thank you for your support as always.

Best regards,

Joe Newton – Vice Principal

Timetable 19th June – 23rd June Week 1

Date	Start	Length	Subject/paper
Mon 19 Jun	AM	01:30	Y10 RE Paper 1
		01:30	Y10 Computing GCSE
		01:00	Y10 French Writing Foundation
Mon 19 Jun	P4 & P5	01:30	Y10 Maths P1
Tue 20 Jun	P1 & 2	01:30	Geography
		01:15	French Written Higher
		01:00	French Written Foundation
Tue 20 Jun	P4 & P5	01:45	
		01:15	Y10 Science – Biology
Wed 21 Jun	P2	01:00	Y10 History
Wed 21 Jun	P4 & P5	01:45	Y10 English Language
Wed 21 Jun	PM	01:45	Further Mathematics Paper 2
Thu 22 Jun	P1 & 2	01:30	Y10 Maths P2
Thu 22 Jun	P4 & 5	01:45	Y10 English Literature
Fri 23 Jun	P1 & P2	01:45 & 01:15	Y10 Science – Chemistry
Fri 23 Jun	P4 & P5	01:30	Y10 RS

Timetable 26th June – 30th June Week 2

Date	Start	Length	Subject/paper
Mon 26 Jun	P1 & 2	01:15 & 01:45	Y10 Science – Physics
Mon 26 Jun	P3 & 4	01:20	Y10 History
Mon 26 Jun	P5	F = 0:35 H = 0:45	Y10 French Listening
Tue 27 Jun	P1 & 2	02:00	Y10 Design & Technology
Tue 27 Jun	P3 & 4	F = 0:45 H = 01:00	Y10 French Reading
Wed 28 Jun	P1 & 2	01:45	Y10 Food
Wed 28 Jun	P3 & 4		MOP UPS
Thu 29 Jun	P1 & P2		Photography mock all day 10B MOP UPS
Thu 29 Jun	P3 & 4		MOP UPS
Fri 30 Jun	P1 & P2		Photography mock all day 10D MOP UPS
Fri 30 Jun	P3 & 4		MOP UPS

Timetable 3rd July – 7th July Week 3

Date	Length	Subject
Monday, 3rd July	All Day	Photography mock all day 10A French Speaking all day 10B
Tuesday 4th July	All Day	French Speaking 10C
Thursday 6th July	All Day	Performing Arts
Friday 7th July	All Day	Art

EXAMINATION INSTRUCTIONS FOR STUDENTS



-
- **GENERAL INFORMATION**
- **Exam Start Times:**
- **MORNING** exams start at **9:10am** (8.45 on a Tuesday)
- **AFTERNOON** exams start at **1.00pm (week 1 of exams)**
- **2.00pm (week 2 of exams)**. You need to head straight to the exam venue after lunch.
-
- **School Uniform**
- You must wear school uniform for all your exams.
- **ONLY WRITE IN BLACK BIRO.**
-
- **BEING RESPONSIBLE**
- Here are some key areas to focus on:
- Make sure you know exactly **WHEN** and **WHERE** your exams are. You must also know which **ROW YOU ARE SEATED IN**. This information will be printed on your final exam timetable.
- **Ensure you have all the correct STATIONERY and EQUIPMENT with you, e.g. BLACK pens, pencil, ruler, calculator, coloured pencils etc., kept in a clear pencil case.**
- You must **ATTEND ALL YOUR EXAMS**. If you are stuck in traffic or have overslept, please contact the school as soon as possible to let us know you are on your way, on 024 7634 1134.
- If you arrive late, you must go to your exam room immediately. The invigilators will escort you to your seat and advise you of how much time you have to complete the exam. If you arrive more than one hour after the published starting time for the exam, you may not be allowed to take it.
- If you arrive late or in incorrect uniform you risk behaviour points added.

EXAM BOARD REGULATIONS

Once Inside the Exam Room

- You are under **EXAM REGULATIONS**.
- There is to be **NO COMMUNICATION** between pupils in the exam room. This includes turning around, talking, smiling, or waving.
- Sit in **SILENCE** and await instruction from the Invigilators.

MOBILE PHONES, WATCHES & OTHER MEDIA PLAYERS

- It is very important **NOT** to bring mobile phones or watches into school when you have exams.
- If you do have a mobile phone or watch with you, you **MUST** switch it off and placed into your bag which you will leave outside the exam room. **If you bring a mobile phone or watch into the exam room you are breaching exam board regulations, so you must hand it in to an invigilator. They will all be placed into a box which will be removed by the Examinations Officer at the beginning of the exam. Mobile phones will be returned to candidates after the remainder of pupils have been dismissed. You must remain in your seat until your phone has been returned to you. IT IS BEST NOT TO BRING PHONES INTO SCHOOL ON EXAM DAYS!**



- **PLEASE NOTE: The Nuneaton Academy uses electronic detectors to scan students for any electronic devices, including mobile telephones.**



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EXAMINATION INSTRUCTIONS FOR STUDENTS

• FOOD & DRINK

- You are only allowed to bring a bottle of water into the exam room and the **label must be removed**. Invigilators will remove any labels left on.
- You are **NOT** allowed any food or sweets.

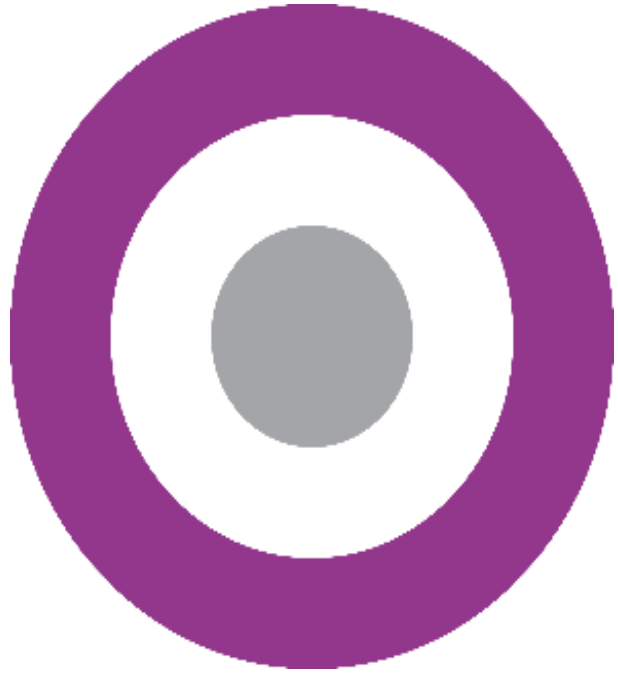
• ON EXAMINATION DAY

- Please arrive on time, persistent lateness with no legitimate reason, will be dealt with in accordance to the internal school's behaviour policy. If you arrive more than one hour after the published starting time for the exam, you may not be allowed to take it.
- You should enter the Examination Room in absolute silence. You **MUST NOT** communicate with any other student either by speaking or mouthing to them. Even eye contact and grinning at another student can be considered as communicating! Be strict with yourself and simply face the front of the examination room at all times!
- • You are not to pass anything to another student in any examination. Dropped equipment will be picked up by the invigilators.
- You must remember your seat number (this will also be given on your completed exam timetable) and be prepared enough to go straight to your seat.
- You **MUST** sit in the correct seat/desk. ID cards on each desk will be present however seating plans will be available outside each exam room and outside the changing rooms. Here you can check as a reminder, your seat number, and your candidate number too!
- You will be told how to complete the front details on the examination paper. Be patient and listen to all the instructions given.
- Please remember – if you have a different legal name to how you are known in school, please write your **LEGAL NAME** on your examination paper. Please make sure you write your name in full and sign the examination paper if it asks you too.

- You cannot leave the examination early. Please do not attempt to ask this as this will be denied.
- You cannot ask the invigilators questions relating to the content of the examination, but if you think there is something amiss with your paper then ask for guidance.
- If you have used any additional paper in your examination, please make sure that you add your candidate details and write the applicable question number your answer is referring to. Make sure you insert this sheet in the correct place in your exam paper next to the applicable question so the examiner knows you have carried on your answer onto additional paper. Ask the invigilator for a treasury tag and hole-punch to secure any additional sheets to your script.
- Please do not deface any equipment borrowed or your individual ID cards. We need to be able to identify you as candidate at all times, especially if we get an inspection from the awarding bodies.
- If you finish your examination early, spend time looking through your paper to check for any silly mistakes or missing answers. Be aware not to distract others that are still working.
- When your examination has finished, the invigilators will collect your paper. You **MUST** remain in silence.
- When your paper has been collected you will be told you can leave the examination room, a row at a time. You must leave in total **SILENCE** – other students may still be working.

• LEAVING THE EXAM ROOM

- You are **NOT** allowed to leave the exam room before the given time, even if you have finished your exam, **SO DO NOT ASK!**
- **If you leave the exam room without permission you will be REPORTED to the exam board and risk disqualification for the exam paper and risk disqualification for all exams.**
- Once the exam has finished you will be dismissed in row order, this needs to be done **QUIETLY**.



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Year 10 Mock Exams
Subject guidance for preparation

SUBJECT - English

EXAM OVERVIEW-Length, Paper, Topic, etc.

Literature Paper 1

This English Literature mock examination is 1 hour 45 minutes in length and contains two extended writing questions:

- Question 1 focusses on “Macbeth” – you will receive an extract from the play and a question which asks you to focus on the presentation of a theme/character in the extract **and** in the play as a whole.
- Question 2 focusses on “A Christmas Carol” – you will receive an extract from the play and a question which asks you to focus on the presentation of a theme/character in the extract **and** in the novella as a whole.

Language Paper 1

This English Language mock examination is 1 hour 45 minutes in length and contains two sections:

- Section A (one hour) – 4 questions on a short fiction extract.
- Section B (45 minutes) – 1 question which asks you to create your own description or narrative based on a picture/prompt.

Revision support & other useful info

Literature Paper 1

For both questions in this paper, you **will** need to know and be able to use quotations from across the play/novella.

“Macbeth”

- Refer to the revision materials given to you in class.
- <https://www.bbc.co.uk/bitesize/topics/zgq3dmn>

“A Christmas Carol”

- Refer to the revision materials given to you in class.
- <https://www.bbc.co.uk/bitesize/topics/zwhkxsg>

Language Paper 1

Section A –

- Question 1: <https://www.youtube.com/watch?v=hMhQIX9DCcQ>
- Question 2: https://www.youtube.com/watch?v=L_dE68iUg-k
- Question 3: <https://www.youtube.com/watch?v=L1ZEBvDh8U>
- Question 4: https://www.youtube.com/watch?v=Aul3_8iw2wM

Section B –

- Question 5: https://www.youtube.com/watch?v=uM_0PshTEjs

Key contacts:
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SUBJECT- Mathematics

EXAM OVERVIEW-Length, Paper, Topic etc

2 full GCSE examination papers

Each examination is 90 minutes long

Each examination is worth 80 marks

Paper 1 – Non-calculator

Paper 2 – Calculator

Any topic can be on any paper

Revision support & other useful info

Use the revision guide, predicted papers and exercise books provided to see what you need to revise.

To get help with these topics use these websites:

1. Sparx: Use the search facility, type in the topic and the skills linked to these will be listed. Pick the one you need.

Watch the video then try some questions

2. MathsGenie: Use the GCSE revision section of the website <https://www.mathsgenie.co.uk/gcse.html>. This gives links to videos and GCSE questions for each topic.

To revise maths you need to DO maths!

Key contacts - Mr Long



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Mathematics: Higher Tier Topic List

Number:

- Lowest Common Multiples
- Index Laws
- Fractions
- Recurring Decimal
- Surds
- Error Intervals
- Standard Form
- Bounds
- Rounding

Probability:

- Relative Frequency
- Product Rule for Counting
- Conditional Probability
- Tree Diagrams

Algebra:

- Algebraic Fractions
- Rearranging Equations
- Factorising expressions
- Functions
- Graphs of Functions
- Transforming Functions
- Quadratic Graphs
- Sequences
- Substitution
- Compound Interest
- Algebraic Proof
- Simultaneous Equations
- Double and Triple Brackets
- Iteration
- Forming Equations
- Solving Equations

Geometry:

- Constructions
- Angles in a Triangle
- Scale Drawings
- Area of a Triangle
- Similarity
- Surface Area
- Volume
- Trigonometry
- Sine/Cosine Rule
- Circle Theorems
- Transformations
- Coordinate Geometry
- Vectors
- Angles in Polygons

Data:

- Averages
- Cumulative Frequency
- Frequency Polygon
- Box Plots
- Histograms
- Scatter Graphs

Proportion:

- Ratio
- Speed, Distance Time
- Density, Mass Volume
- Metric Units
- Inverse proportion



Mathematics: Foundation Tier Topic List

Number:

- Place value
- Rounding
- Multiplying Decimals
- Equivalent Fractions
- Percentage to Decimals
- Decimals to Fractions
- Time problems
- Multiplication
- Lowest Common Multiples
- Multiplying Fractions
- Index Laws
- Factors
- Fraction of an amount
- Money Problems
- Standard Form

Algebra:

- Simplifying expressions
- Solving Equations
- Inequalities
- Substitution
- Sequences
- Forming Expressions
- Straight Line Graphs
- Solving Equations
- Percentage Profit
- Double Brackets
- Factorising Expressions

Proportion:

- Exchange Rates
- Similarity
- Ratio
- Metric Units
- Proportional Reasoning
- Speed, Distance Time

Geometry:

- Angles on a straight line
- Coordinates
- Midpoint of a Line
- Constructions
- Angles in a Triangle
- Scale Drawing
- Parts of a Circle
- Perimeter
- Reflections
- Angles in Polygons
- Arcs and Sectors

Probability:

- Listing Outcomes
- Frequency Trees

Data:

- Pictograms
- Distance/Time Graphs
- Pie Charts
- Averages
- Tally Charts
- Stem and Leaf Diagrams
- Venn Diagrams
- Scatter Graphs

SUBJECT- Combined Science

EXAM OVERVIEW-Length, Paper, Topic etc

Students will sit **three** exam papers in science.

Each paper will assess students' **knowledge** and **understanding** of the content areas below, as well as the **application** of these scientific concepts through questions about specific required practical activities.

- Biology (1 hr 15 min)
 - Cell biology
 - Organisation
 - Infection and response
 - Bioenergetics
- Chemistry (1 hr 15 min)
 - Atomic structure and the periodic table
 - Bonding, structure and the properties of matter
 - Quantitative Chemistry
 - Chemical changes
 - Energy changes
- Physics (1 hr 15 min)
 - Energy
 - Electricity
 - Particle model of matter
 - Atomic structure

Revision support & other useful info

The science department has put together a bespoke and detailed bank of revision resources to help your child succeed in their Year 10 Science mock exams:

- CGP revision guide
- Physicsandmathstutor.com
- Savemyexams.com
- [Youtube: Primrose Kitten, KayScience, FuseSchool](#)
- Your child's **science teacher** has an open door policy and they will be more than happy to offer support if needed – please encourage your child to ask for guidance/support!
- If you have any further questions please contact me on sarah.crewe@midlandat.co.uk
- Please note that in line with current Ofqual guidance the year 10's will not be given a formula sheet in their physics exam. Their teacher will give them a list of equations they must learn as preparation.

Yr 10 Science teacher contact details:

Mr Chohan: Varinder.Chohan@midlandat.co.uk
Mrs Shakel: Aisha.Shakel@midlandat.co.uk
Mrs Oshin: Mobolanle.Oshin@midlandat.co.uk
Mr Kelly: Damian.Kelly@midlandat.co.uk
Miss Crewe: Sarah.Crewe@midlandat.co.uk



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SUBJECT- Triple Science

EXAM OVERVIEW-Length, Paper, Topic etc

Students will sit **three** exam papers in science.

Each paper will assess students' **knowledge** and **understanding** of the content areas below, as well as the **application** of these scientific concepts through questions about specific required practical activities.

- Biology (1 hr 45 min)
 - Cell biology
 - Organisation
 - Infection and response
 - Bioenergetics
- Chemistry (1 hr 45 min)
 - Atomic structure and the periodic table
 - Bonding, structure and the properties of matter
 - Quantitative chemistry
 - Chemical changes
 - Energy changes
- Physics (1 hr 45 min)
 - Energy
 - Electricity
 - Particle model of matter
 - Atomic structure

Revision support & other useful info

The science department has put together a bespoke and detailed bank of revision resources to help your child succeed in their Year 10 Science mock exams:

- CGP revision guide
- Physicsandmathstutor.com
- Savemyexams.com
- [Youtube: Primrose Kitten, KayScience, FuseSchool](#)
- Your child's **science teacher** has an open door policy and they will be more than happy to offer support if needed – please encourage your child to ask for guidance/support!
- If you have any further questions please contact me on sarah.crewe@midlandat.co.uk
- Please note that in line with current Ofqual guidance the year 10's will not be given a formula sheet in their physics exam. Their teacher will give them a list of equations they must learn as preparation.

Yr 10 Triple Science teacher contact details:

Mr Chohan: Varinder.Chohan@midlandat.co.uk
Mr Kelly: Damian.Kelly@midlandat.co.uk
Miss Crewe: Sarah.Crewe@midlandat.co.uk



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SUBJECT - French

EXAM OVERVIEW-Length, Paper, Topic, etc.

There are four exams for French. Each one covers one skill. All themes and topics will be covered within the papers.

Reading exam (25% overall grade) (F – 45 mins / H – 60 mins)

Reading comprehension questions (answers in English and in French)
Translation (French to English)

Listening exam (25% overall grade) (F – 35 mins / H – 45 mins)

- Listening comprehension questions (answer in French and in English)

Speaking exam (25% overall grade) 20-25 mins (including 12 mins preparation time)

- Three components: role play, photocard & general conversation

Writing exam (25% overall grade) (F – 60 mins / H – 75 mins)

- Foundation – photocard, 40-word question, single sentence translations (English to French), 90-word question
- Higher – 90-word question, 150-word question, paragraph translation (English to French)

Revision support & other useful info

Useful websites & apps:

BBC Bitesize – excellent resources for revision of vocabulary and grammar. Lots of listening and reading exercises are available to use for practice.

<https://www.bbc.co.uk/bitesize/examspecs/zr8bmfr>

Memrise – all of the AQA vocab is on here.

<https://app.memrise.com/courses/english/?q=tna>

There are many apps out there that will allow you to practise your French and revise vocab on a regular basis (*regular* is the key word here). Some examples of these are:

- Duolingo
- Gojimo
- Quizlet

I also recommend that you watch some of the videos on the 'Learn French with Alexa' YouTube channel. There are lots of great videos here and this will help your listening skills, as well as your reading and writing skills.

Key contact:
daniel.perera@midlandat.co.uk



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SUBJECT- Geography

EXAM OVERVIEW-Length, Paper, Topic etc

Paper 1 Global Geographical issues

Tuesday, 20th June 2022 at 9am. 1h 30mins

Section A Hazardous Earth 30 marks

1. *Climate graphs*
2. *Calculating the mode, mean, median, and range*
3. *Global atmospheric circulation (Hadley Cell)*
4. *How social media is used in natural disasters*
5. *Causes of vulnerability to tropical storms*
6. *Skill: Comparing data on a graph*
7. *Reason for the range in sea level rise projections*
8. *Evidence of past climate change*
9. *Natural causes of climate change*
10. *Human causes of global warming*
11. *Types of plate boundaries*
12. *Composite and shield volcanoes*
13. *Primary and secondary impacts of earthquakes (Case Studies)*
14. *Short term and long term responses to tropical storms (Case Studies)*

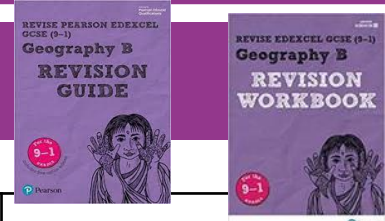
Section B Development Dynamics 34 marks

1. *Examples of social development indicators*
2. *Examples of economic development indicators*
3. *Skill: Choropleth maps*
4. *Causes of inequality (physical, historical, political)*
5. *Skill: Population pyramids*
6. *Advantages and disadvantages of intermediate technology*
7. *Foreign direct investment (FDI)*
8. *Positive and negative impacts of rapid economic development*
9. *Importance of India's location for its development (Case Study)*
10. *Historical factors that affect India's development (Case Study)*
11. *International role of India (Case Study)*

Section C Challenges of an urbanising world 30 marks

1. *Skill: Line graphs*
2. *Causes of urbanisation*
3. *Characteristics of Top-Down and Bottom-Up development strategies*
4. *Calculating percentage increase*
5. *Skill: Describing a map*
6. *Opportunities and challenges of living in megacities*
7. *Burgess Model*
8. *Population distribution as cities develop over time*
9. *Planning regulations within cities*
10. *Causes of deindustrialisation*
11. *Vision Mumbai – an example of a top-down development strategy (Case Study)*
12. *Bottom-up strategies for development in Mumbai (Case Study)*

Revision support & other useful info



HOW DO I PREPARE FOR THIS ASSESSMENT?

Use a following range of revision techniques to support you:

Make revision cards

Create mind maps; make sure that you use colour and images!

Teach someone else what you have learnt

Create a tidy revision environment at home. Give yourself a timetable for when you are going to revise your different subjects and topics for each evening

Learn key geographical vocabulary

Memorise your case studies, try to remember statistical facts about each one. As a reminder, the Case Studies you will need are: Haiti, Japan, Hurricane Katrina, Typhoon Haiyan, India, and the megacity of Mumbai.

Remember that for 2 mark questions, you need to think Point → Develop

3 mark questions are done as Point → Develop → Develop

4 mark questions are done as Point → Develop, Point → Develop

You can develop your answers with “This means that...” or “As a result,...”

For 8 mark questions, 4 of your marks will come from AO2 which is all about Case Study information. The other 4 marks comes from AO3 which is all about your ability to assess
Chunk your learning into different topics such as natural hazards or forests under threat

You can use the following websites to support your revision for your Paper 1 mock:

GCSE Pod:

www.gcsepod.com

Seneca:

<https://senecalearning.com/en-GB/>

You can use the following YouTube Revision links to support your revision for your Paper 1 mock:

Hazardous Earth Part 1:
www.youtube.com/watch?v=P22acXBIFjM

Hazardous Earth Part 2:
www.youtube.com/watch?v=LJBM198GL-8

Development Dynamics:
www.youtube.com/watch?v=7qdhDJKkOk8

Challenges of an Urbanising World:
www.youtube.com/watch?v=JVbgqrf0o1o

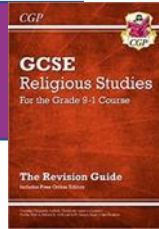
Key contacts- Mrs Doiczman
Izablea.Doiczman@midlandat.co.uk



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SUBJECT- Religious Studies



EXAM OVERVIEW-Length, Paper, Topic etc

There are two RE exams which will be sat during the year 10 exam fortnight.

Paper 1 Friday 1st July at 11.35am

Paper 2 Wednesday 6th July at 11.35am.

Both papers will be 1 hour and 30 minutes long.

Paper 1 will test the philosophy & ethics modules we have studied in years 9 and 10:

- Issues of Life and Death
- Issues of Human Relationships
- Good and Evil

Paper 2 will test knowledge of the religions we have studied in year 10:

- Christian beliefs and teachings
- Islam beliefs and teachings
- Islam practices

Revision support & other useful info

Paper 1 – Philosophy & Ethics	
Topic: Relationships	Page number
	revision guide
The nature and purpose of families	42,43
The roles of men and women in family life & in worship	45
Marriage, cohabitation, divorce	39
Contraception	38
Same-sex relationships	37, 39
Topic: Life & Death	
Afterlife	54
Environmental sustainability	48
Euthanasia & Abortion	51
Evolution & Big Bang	47
Quality of life & Sanctity of life	51 ,62
Funerals	10
Topic: Good and Evil	
Crime and punishment	57, 60
The death penalty	62
Forgiveness	59
The origin of evil & Free Will	7
The problem of evil and suffering	79, 7

Paper 2- Religion	
Topic: Christian beliefs and teachings	
The nature of God	1,
Evil and suffering	7
The creation	3
The trinity	2
Jesus and Salvation	4
The afterlife	6
Topic: Islam Beliefs and Teachings	
The nature of God	17
Angels	19
Risalah	17, 18
The afterlife & judgement	20
The six articles of faith in Sunni Islam	16-20
The five roots in Usul ad-din in Shi'a Islam	16
The Life of Muhammad & Qur'an	18
Islam Practices	
5 pillars (Sunni)	21-23
10 Obligatory Acts (Shi'a)	21
Jihad	23
Festivals (Id-UI-Adha, Id-UI-Fitr, Ashura, night of power)	24

Key contacts- Mrs Brockway
Sian.Brockway@midlandat.co.uk

SUBJECT- Computer Science

EXAM OVERVIEW-Length, Paper, Topic etc

Length: 90 minutes

Paper: Combination of Paper 1 and 2 OCR questions from multiple years

Topics:

- Data Representation:
 - Converting decimal to binary to hexadecimal and the reverse, including shifting
 - ASCII and Unicode
 - Compression – Advantages, lossy, lossless etc.
 - Sound – Sampling, file types, rates and file sizes
- Systems Architecture:
 - Cores
 - FDE cycle
 - Registers
 - Processing and computer speed
 - RAM, ROM and Virtual Memory
- Storage and Utility:
 - Secondary storage- optical, magnetic, solid state
 - Defragmentation and file allocation
 - System information and diagnosis utility
 - Cloud Storage
- Programming:
 - Definitions – variables, constants, sequence iteration, selection, list, arrays etc...
 - Cycling through lists and arrays
 - Sub programs (Functions and procedures)
 - Predicting Outcomes

Revision support & other useful info

Use the following resources to revise:

- Your class books
- Your revision posters
- Your key words
- GCSE POD
- Bitesize
- Oak national Academy by selecting lessons on the topics
- Programming in python, completing the python challenge ladder and the 20 OCR challenges

Key contacts-

Mr Longley

James.Longley@midlandat.co.uk



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SUBJECT- History

EXAM OVERVIEW:

Paper 1 – Medicine in Britain, c1250-present. (1 hour).
Wednesday 21st June 2023

Paper 3 – Weimar and Nazi Germany, 1918-1939.
(1 hour 20 mins). **Monday 26th June 2023**

Key contacts:

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Revision support & other useful info:



In order to achieve the best results possible, it is essential that pupils revise carefully before the exam. Pupils have been issued with revision guides for these topics which they should be using for revision. Pupils have access to www.gcsepod.com which has short videos that cover the entire course.

There are also quizzes on GCSE Pod which will test pupils' knowledge of the pods they have watched. If any student has difficulty with their log on details/passwords, please email: carla.west@midlandat.co.uk.

The mock exams can cover any of the topics in the specifications, so it is important that revision covers all of the subject matter.

Paper 1 – You will only be assessed on Section B in this mock exam. Section B is on Medicine in Britain, c1250-present and this exam will definitely include questions on medieval medical care and treatment, the improvements in medical knowledge during the Renaissance, cause of illness 1700 to present day and the role of government in medicine c1800 onwards

Paper 3 – Section A can be from any part of the Weimar and Nazi Germany, 1918-1939 course; this mock exam will include a question on the economic recovery of the Weimar Republic as well as *Kristallnacht*. Section B can also be from any part of the course but will, in this instance, focus on support for the Nazi regime, 1933-39.

SUBJECT - Design Technology

EXAM OVERVIEW-Length, Paper, Topic etc

Name of paper: Design Technology Unit 1 – Written Paper

Length of the paper: 2 Hours

Topics:

1. Core Materials (Woods, Plastics, Metals, Papers & Boards, Textiles & Electronics)
2. Smart Materials & Technical Textiles
3. Conversion processes e.g. Debarking and the process.
4. Addition to materials processes
5. Production Types
6. 6R's
7. Renewable Energy
8. Forces (Torsion, Tension & Compression etc.)
9. Motions
10. Quality Control measures & Tolerances.
11. Anthropometrics & Ergonomics
12. Health & Safety
13. Orthographic Projection & Isometric Drawing.
14. Multiplication & Volume calculations

Revision support & other useful info

Revision resources: Seneca (class code: bv4eozkcmb)

Revision websites:

BBC Bitesize (AQA Design Technology)

Technology Student

Exam tips or revision tips:

- Generic terms. Remember not to give answers in generic terms such as 'wood' or 'plastic'. Try to be specific e.g. 'oak' or 'high impact polystyrene'. Revise these specific terms.
- Read the question carefully. Make sure you read the question carefully. Look at the command words. What's being expected of you and how many marks will you gain from answering this question? That'll give you an idea of how much detail you need to give.
- Give examples. Where possible, give examples to explain a point. This can show your depth of understanding and could be the extra information needed to push you up to a higher mark band.

Key contact - Mr Wilson



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