



# Year 10 Mock Examination Information

# June 2024

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

# Name:

Useful links:

How to manage you time

Procrastination – How to Beat it

STAR Workshop Session 1

STAR Workshop Session 2

STAR Workshop Session 3

STAR Workshop Session 4

STAR Workshop Session 5

STAR Workshop Session 6

STAR Workshop Session 7

STAR Workshop Session 8

STAR Workshop Session 9

STAR Workshop Session 10



# Contents:

- Maths
- English Literature
- English Language
- Combined Science Biology & Physics
- Triple Science Biology
- Triple Science Physics
- RE
- History
- Geography
- Computer Science
- Business
- French
- Music
- PE
- Hospitality & Catering



# 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:

• Wednesday 26<sup>th</sup> June: 1hr 30 mins

Area of curriculum assessed: Calculator

What you will need to revise for this assessment:

## FOUNDATION

- Angles in parallel lines
- Area & Perimeters of 2D shapes
- Bar charts
- BIDMAS and inverse operations
- Change between standard units
- Conversion between fractions, decimals and percentages
- Describing transformations
- Distance-time graph
- Growth and decay, compound interest
- HCF/LCM from Prime Factor Form
- Interpret Pie charts
- Order numbers
- Percentages and problems involving percentage change
- Probabilities of an exhaustive set of outcomes
- Properties of 3D shapes
- Ratio in real context
- Roots, intercepts, turning points of quadratic functions
- Scale drawings and bearings
- Simplify an algebraic expression
- Simplify indices
- Solve linear equations
- Solve problems involving direct and inverse proportion
- Solve problems involving direct and inverse proportion
- Solve problems involving inverse proportion
- Standard form



Use compound units Use standard units of measure and related concepts Write a number from words to figures

# <u>HIGHER</u>

- Apply angle facts
- Arc lengths, angles and areas of sectors of circles
- Box plots
- Circle theorems
- Distance-time graphs, velocity-time graphs
- Enlargement negative SF
- Expand expressions
- Expand the product of 3 binomials
- Factorise expressions
- Fractions, decimals and percentages as operators
- Gradient at a point on a curve as the instantaneous rate of change
- Graphs of exponential functions
- Independent and dependent combined events
- Mathematical arguments and proofs
- Percentages and problems involving percentage change
- Primes, factors, multiples
- Pythagoras's Theorem and Trigonometry
- Rates of change
- Recurring decimals and their corresponding fractions
- Roots, intercepts, turning points of quadratic functions
- Simplify and add algebraic fractions
- Simplify and manipulate expressions using laws of indices
- Solve problems involving direct and inverse proportion
- Surface area of cones and composite solids
- Use compound units
- Vectors



# **English Literature**

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

- Black pen (please have a spare)
- Highlighter

# Assessment Date and length of Assessment:

• Friday 21<sup>st</sup> June: 1 hour 45 mins

Area of curriculum assessed: Macbeth and Jekyll and Hyde

- Revision guides for both Macbeth and Jekyll and Hyde
- BBC Bitesize website
- Class books



# English Language

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

- Black pen (please have a spare)
- Highlighter

# Assessment Date and length of Assessment:

• Monday 24<sup>th</sup> June : 1 hour 45 mins

# Area of curriculum assessed: Creative reading and writing

- Revision guide for GCSE Language
- Exercise book



# **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:

- Tuesday 18<sup>th</sup> June: Combined Science Biology 1 hr 10mins
- Tuesday 25<sup>th</sup> June: Combined Science Physics 1 hr 10mins

## COMBINED SCIENCE BIOLOGY - FOUNDATION

Торіс	Foundation tier	Higher tier
1. Cells	11	11
2. Microscopy	13	13
3. More microscopy	14	14
4. Fossil evidence for human evolution	34	34
5. Selective breeding	36	36
6. DNA	27	27
7. Measures of obesity	45	45
8. Treatments for cardiovascular disease	46	46
9. Non-communicable disease	44	44
10. Cell division and growth	21	21
11. Genetic diagrams	28	28
12. Sexual reproduction and meiosis	26	26
13. Variation	30	30
14. Mitosis	20	20



15. More on enzyme activity	17	16
16. Factors affecting enzyme activity	16	15
17. Antibiotics and other medicines	43	43

#### COMBINED SCIENCE BIOLOGY - HIGHER

Торіс	Higher tier
1. Mitosis	20
2. Selective breeding	36
3. More on enzymes	16
4. Enzymes	15
5. Health and disease	39
6. Antibiotics and other medicines	43
7. More on microscopy	14
8. Specialised cells	12
9. Stem cells	22
10. Investigating osmosis	19
11. Natural selection and evidence for evolution	32
12. Genetic diagrams	28
13. Non-communicable diseases	44
14. Measures of obesity	45
15. Synapses and reflexes	24



# COMBINED SCIENCE PHYSICS - FOUNDATION

Торіс	Foundation tier	Higher tier
1. Electromagnetic waves	170	167
2. More uses of EM waves	172	171
3. Velocity/time graphs	148	148
4. Acceleration	146	146
5. Newton's second law	151	149
6. The Atomic model	173	172
7. Isotopes and nuclear radiation	175	174
8. Half life	178	176
9. Wave basics	165	164
10. Investigating waves	167	165
11. Wave speed	166	164
12. Distance, displacement, speed and velocity	145	145
13. Weight	149	150
14. Resultant forces and Newton's first law	150	149
15. Kinetic and potential energy stores	158	156
16. Energy transfers	157	157
17. Energy resources	161	160
18. More energy resources	162	161
19. Trends in energy resources	163	162



# COMBINED SCIENCE PHYSICS - HIGHER

Торіс	Higher tier
1. Distance, displacement, speed and velocity	145
2. Weight and circular motion	150
3. Newton's first and second laws	149
4. Energy stores	156
5. Transferring energy	157
6. Acceleration	146
7. Velocity/time graphs	148
8. Wave behaviour at boundaries	166
9. EM waves for communication	169
10. Microwaves and IR	170
11. More uses of EM waves	171
12. Nuclear equations	175
13. Isotopes and nuclear radiation	174
14. Half life	176
15. Momentum	153
16. Changes in momentum	154
17. Investigating motion	151



# Triple Science Physics

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:

• Thursday 25<sup>th</sup> June: Physics 1 hr 45mins

#### Assessment overview

A mixture of different question styles, including multiple-choice questions, short answer

questions, calculations and extended open-response questions.

Calculators may be used in the examination.

#### **GCSE** Physics

Use the contents page of the purple Physics revision book to find the matching pages for each topic name listed below.

#### Physics 1

Topic 1 – Key concepts of physics, Topic 2 – Motion and forces, Topic 3 – Conservation of energy, Topic 4 – Waves, Topic 5 – Light and the electromagnetic spectrum, Topic 6 – Radioactivity, Topic 7 – Astronomy

Торіс	Higher tier
Measuring waves	33
Ultrasound	36
Distance, displacement, speed and velocity	12
Weight and circular motion	17
Energy stores	24
Transferring energy	25
Wave basics	32
Red-shift and CMB radiation	61
The life cycle of stars	62



Velocity/time graphs	15
Investigating refraction	39
Electromagnetic waves	43
Isotopes and nuclear radiation	51
Nuclear equations	52
Half life	53
Reflection	38
Transferring energy	25
Momentum	20
Newton's 1 <sup>st</sup> and 2 <sup>nd</sup> laws	16
Efficiency	26
Nuclear fission	57



# Triple Science Biology

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:

• Tuesday 18<sup>th</sup> June: Chemistry 1 hr 45mins

#### Assessment overview

A mixture of different question styles, including multiple-choice questions, short answer

questions, calculations and extended open-response questions.

Calculators may be used in the examination.

#### GCSE Biology

Use the contents page of the green Biology revision book to find the matching pages for each topic name listed below.

#### Biology 1

Topic 1 – Key concepts in biology, Topic 2 – Cells and control, Topic 3 – Genetics, Topic 4 – Natural selection and genetic modification, Topic 5 – Health, disease and the development of medicines

Торіс	Higher tier
Energy in food	20
Sexual reproduction and meiosis	32
Genetic engineering	52
Enzymes	16-18
Health and disease	55
Antibiotics and medicines	62
The eye	30
The brain and spinal cord	27
Specialised cells	13
Mitosis	24



Cell division and growth	25
Stem cells	26
Natural selection and evidence for evolution	45
Selective breeding	50
Genetic diagrams	38
Plant disease	57
Protein synthesis	35-36
Investigating osmosis	22
Diffusion, osmosis and active transport	21
Measures of obesity	66
Synapses and reflexes	29
Monoclonal antibodies	60
More on monoclonal antibodies	61
Sex linked genetic disorders	40



# RE

You will need the following equipment for your RE examination:

• Black pen (please have a spare)

# Assessment Date and length of Assessment:

• Wednesday 19<sup>th</sup> June: 1 hour 30 mins

What you will need to revise for this assessment:

## Paper 1: Foundational Catholic Theology

## Origins and meanings

- Origins of the universe
- The Big Bang theory and the theory of evolution
- The sanctity and value of human life
- Creation in the Bible (Genesis 1&2)
- Tree of life (religious art)
- Interfaith dialogue
- Catholic charities (CAFOD & SVP)
- Catholic Social Teaching

The exam will be made up of

Section 1: Origins and Meaning 2 x a) b) c) 1 x d)

Section 2: Good and Evil 1 x a), b), c) 2x d)

a) DEFINE: You will need to define one of the Key Concepts you are given at the start of each section. (2 marks)

b) DESCRIBE: You will need to demonstrate knowledge and understanding of a belief, teaching, practice, event etc. (5 marks)

c) EXPLAIN: You will need to compare two religious beliefs on a topic e.g.; Catholic, Church of England, Fundamentalist, Judaism etc. You may NOT discuss Non-Religious beliefs on these questions (this only applies to Component One). (8 marks)

d) DISCUSS: You will be given a controversial statement and will be expected to present differing arguments in favour of and against this statement. You MAY refer to religious arguments AND Non-Religious/humanist arguments. (15 marks)

# EDUQAS EXAM BOARD RECOMMENDS THAT YOU SPEND "A MINUTE A MARK" ON EACH QUESTION.

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Good and Evil

- Trinity
- Good evil and suffering (St Augustine)
- Problem of evil
- Natural law
- Incarnation
- Jesus and moral authority
- Sculpture and Statues (La Pieta)
- Pilgrimage
- Popular Piety (the rosary)



# History

You will need the following equipment for your History examinations:

- Black Pen x 2
- Highlighter (optional)

# Assessment Dates and length of Assessments:

- Wednesday 19<sup>th</sup> June: Paper 1 1 hr 20 mins
- Monday 24<sup>th</sup> June: Paper 3 1hr 30 mins

Area of curriculum assessed:

- Paper 1: Medicine in Britain c.1250-present day and Medicine on the Western Front
- Paper 3: Weimar and Nazi Germany

# What you will need to revise for this assessment:

# <u> Paper 1 =</u>

- Causes, cures, treatment, prevention, key individuals in the Middle Ages c1250-1500
- Causes, cures, treatment, prevention, key individuals in the Renaissance c1500-1700
- Causes, cures, treatment, prevention, key individuals in the Industrial Period c1700-1900
- Causes, cures, treatment, prevention, key individuals in the Modern Period c1900present day
- Medicine on the Western Front

# Paper 3=

- The Weimar Republic 1918-1929
- Hitler's Rise to Power, 1919-1933
- Nazi Control and Dictatorship, 1933-39



# Geography

You will need the following equipment for your Geography examinations:

- Black Pen x 2
- Pencil
- Ruler
- Calculator

# Assessment Date and length of Assessment:

- Tuesday 18<sup>th</sup> June: Paper 1 1hr 45 mins
- TBC: Paper 2 1hr 30 mins

# Paper 1

**Theme 1** – Features of a CBD, what are pedestrianised areas, shopping – Problems with CBDs Attractions of retail parks. Threshold population – what is it? Impacts of changing retail location on people and urban environment.

'Challenges of living in all global cities are the same.' Do you agree/disagree?

**Theme 2** – Erosion Types, Waterfalls, Storm Hydrographs, Urbanisation and flooding, evaluating opinions on flood management – using the sources.

**Theme 3** - Reading a climate graph, Calculating the range, why can vegetation survive in semiarid grasslands? Name how we can manage another ecosystem (rainforest). Explain how humans increase risk of desertification Long question – evaluate strategies for managing desertification

# Paper 2

Problem Solving Paper with an essay at the end question at the end. It is divided into 3 sections. It will be based on Desertification. You will have an opportunity to see how a paper looks in class .

- Red books / Workbooks
- Knowledge Organisers (Given out in class)
- Revision Guides
- Access the centralised revision hub on SharePoint which has everything you need to succeed. Click on the link: https://livestantonys.sharepoint.com/sites/Year11RevisionMaterials



# **Computer Science**

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

• Black Pen x 2

### Assessment Dates and length of Assessments:

• Friday 21<sup>st</sup> June: 1hr 30mins

Area of curriculum assessed:

- 1.1 Systems architecture
- 1.2 Memory and storage
- 1.3 Computer networks, connections and protocols
- 1.4 Network security
- 1.5 Software

What you will need to revise for this assessment:

Your blue CGP Computer Science Revision Guide

Revision resources in your Google Classroom



# Business

You will need the following equipment for your Business examination:

- Black pen (please have a spare)
- Pencil
- Calculator

# Assessment Date and length of Assessment:

• Tuesday 25<sup>th</sup> June (PM) 1 hour 30 mins

# Area of curriculum assessed: Paper 1 – business activity, marketing and people

What you will need to revise for Section A of the mock exam:

- Role of HR
- Pricing strategies
- Characteristics of an entrepreneur
- Radio advertising
- Benefits of limited liability
- Unlimited liability of partnerships
- Product trials
- Employee holiday entitlement
- Employment training

What you will need to revise for Section B of the mock exam:

- Secondary research methods
- The purpose of marketing
- Why a business plan is useful
- Market segmentation
- Advantages and disadvantages of a company having a wide range of products
- Advantages and disadvantages of using the product life cycle in marketing
- Methods of communication in business
- Methods of employee motivation
- Recruitment: methods of selection
- Professional development programs



# French

You will need the following equipment for your French examinations:

• Black pen (please have a spare)

# Assessment Dates and length of Assessments:

- See your Timetable: Foundation: Speaking
- Wednesday 26<sup>th</sup> June: Foundation: Writing 1hr
- Lesson time w/c Monday 24<sup>th</sup> June: Foundation: Listening (35mins) and Reading (45 mins)

What you will need to revise for this assessment:

# Speaking Exam

Learn your speaking test answers for Theme 1 and Theme 2

You will be asked a selection of questions from the sub-topics below

# Theme 1: Identity and culture

## 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

## **Theme 2: Local, national, international and global areas of interest** Topic 1: Home, town, neighbourhood and region

Topic 4: Travel and tourism



## Listening and Reading Exam

Learn the vocabulary on the vocab lists provided for the tier you are sitting. Use Quizlet to practise online too in particular using the sound icon feature to learn the vocabulary aurally for the listening exam. You will need to know this vocabulary French to English.

### Writing Exam

Foundation

- Q1 Photocard Revise general photocard vocabulary
- Q2 40 word writing (present tense) free time
- Q3 5 x sentence translation (variety of vocab and structures)
- Q4 90 word writing (three time frames): choice of two work OR lifestyle (sports, food and healthy living)



# Music

You will need the following equipment for your Music examination:

- Black pen (please have a spare)
- Pencil for dictation question (please have a spare)
- Rubber
- Pencil Sharpener

# Assessment Date and length of Assessment:

• Tuesday 25<sup>th</sup> June: -1 hour

Area of curriculum assessed: Component 3: Appraising

- Set Works Badinerie by J.S. Bach and Africa by Toto
- Area of Study 1: Music Forms and Devices
- Area of Study 2: Music for Ensemble
- Area of Study 3: Film Music
- Area of Study 4: Popular Music
- All the music theory and elements of music (MADTSHIRT)
- Aural Dictation (melodic and rhythmic)
- Wider listening Spotify, YouTube, Radio (Classic FM and BBC Radio 3)



# PE

You will need the following equipment for your PE examination:

• Black pen (please have a spare)

# Assessment Date and length of Assessment:

• Wednesday 26<sup>th</sup> June Paper 1– 1 hour

Area of curriculum assessed: Paper 1 – Physical factors affecting performance

What you will need to revise for this assessment:

- The PE classroom website: <u>GCSE PE OCR The PE Classroom</u>
- The Examinator: <u>Examinator OCR GCSE PE The PE Classroom</u>
- PE Classroom workbooks
- <u>GCSE Physical Education OCR BBC Bitesize</u>

# Anatomy + Physiology

- 1. Muscular System <u>Involuntary, voluntary and skeletal muscle Muscular system OCR</u> - <u>GCSE Physical Education Revision - OCR - BBC Bitesize</u>
- 2. Skeletal System <u>Structure of the skeletal system Skeletal system OCR GCSE</u> <u>Physical Education Revision - OCR - BBC Bitesize</u>
- 3. Cardiovascular System <u>Structure of the cardiovascular system Cardiovascular</u> <u>system - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize</u>
- 4. Respiratory System <u>Structure of the respiratory system Respiratory system OCR -</u> <u>GCSE Physical Education Revision - OCR - BBC Bitesize</u>
- 5. Aerobic and Anaerobic System <u>Anaerobic respiratory system Aerobic and</u> <u>anaerobic exercise - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize</u>
- Long + Short term effects of exercise <u>Short term effects of exercise on the body</u> <u>systems - Long and short term effects of exercise - OCR - GCSE Physical Education</u> Revision - OCR - BBC Bitesize
- 7. Movement Analysis <u>First, second and third class levers in the body Movement</u> <u>analysis - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize</u>

# Physical Training

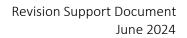
1. Keeping fit and healthy in sport - <u>Components of fitness - Keeping fit and</u> healthy in sport - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize



- Principles of training <u>Definitions and descriptions of the principles of training</u>

   <u>Principles of training OCR GCSE Physical Education Revision OCR BBC</u>
   <u>Bitesize</u>
- Methods and effects of training <u>The effects of the warm up and cool down</u> process - <u>Methods and effects of training - OCR - GCSE Physical Education</u> <u>Revision - OCR - BBC Bitesize</u>

Preventing injury in sport - <u>Health screening - PAR-Q questionnaire - Preventing injury in</u> sport - OCR - GCSE Physical Education Revision - OCR - BBC Bitesize





# Hospitality & Catering

You will need the following equipment for your Music examination:

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

# Assessment Date and length of Assessment:

• Friday 21<sup>st</sup> June: -1 hour 30 mins

Area of curriculum assessed:

- 1. Commercial and non-commercial establishments
- 2. Specialist equipment used in commercial and non-commercial kitchen
- 3. Job roles -chef
- 4. Qualifications & personal attributes -Chef
- 5. Contracts
- 6. Services provided by a 5\* hotel
- 7. Use of technology & media relating to 5\* hotel
- 8. Job roles
- 9. Health and safety training
- 10. Personal safety risks relating to customers
- 11. Allergies with visible and non-visible symptoms
- 12. Food labelling regulations
- 13. Job roles of the EHO
- 14. Responsibility of the EHO while on a visit
- 15. Food poisoning bacteria
- 16. Conditions for bacteria to multiply

What you will need to revise for this assessment:

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

- My revision notes book by Hodder given out in class
- Knowledge organisers

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18c/wjec/1-1-1\_types-of-hand-c-provision.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18a/eng/2-1\_ko\_kitchenequipment.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18c/wjec/1-1-2\_types-ofemployment-roles-and-responsibilities.pdf



https://resource.download.wjec.co.uk/vtc/2022-23/wjec22-23 7-3/a/wjec/1-1-2 personalattributes-qualifications-and-experience.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18c/wjec/1-1-3\_workingconditions-in-the-h-and-c.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18c/wjec/1-1-1\_types-ofservice-in-commercial-and-non-commercial-provisions.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18a/eng/1.4-ko-contributing-factors-to-the-success-of-hospitality-and-catering-provision.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18c/wjec/1-1-2\_types-ofemployment-roles-and-responsibilities.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18d/eng/1-3-1-health-and-safety-in-hospitality-and-catering-provisions.pdf

https://resource.download.wjec.co.uk/vtc/2022-23/wjec22-23\_7-3/a/wjec/1-3-1\_safetydocuments-in-hospitality-and-catering.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18b/eng/14-18b 1 symptoms-and-signs-of-food-induced-of-ill-health .pdf

https://resource.download.wjec.co.uk/vtc/2022-23/wjec22-23\_7-3/a/wjec/1-4-1\_hospitalityand-catering-and-the-law.pdf

https://resource.download.wjec.co.uk/vtc/2021-22/el21-22\_14-18a/eng/4.1\_ko\_foodrelated-ill-health.pdf