Cardinal Newman Catholic School

Holy Cross Catholic Multi Academy Company

Year 11 Mock Examinations

February 14th – March 4th 2022

Name:

"Knowledge through the light of faith"

CARDINAL NEWMAN CATHOLIC SCHOOL

EXAM UPDATES

February 8, 2022

Dear Students, Parents and Carers

Updates to examinations – 7th February 2022

We hope that you and your families are well.

Ofqual have released important information regarding public examinations for the summer series 2022. To support students who have been affected by Covid-19, Ofqual have given guidance on examinations including focus topics, text types and formulae sheets that can be taken into the examinations.
Whilst like most schools, we would have preferred this information sooner, we had planned for a rapid response at this time.
Our mock period begins on Monday 14th February 2022 and runs until Wednesday 2nd March 2022 with contingency days planned on Thursday the 3rd March and Friday 4th March 2022. This season will give students the opportunity to experience first-hand, the organisational skills required when sitting the summer examinations.
These examinations will produce a valuable snapshot of where students' current learning sits in relation to the Ofqual guidance. The analysis of the mock examinations will allow a rapid response to plug any gaps in knowledge.
After the mock exams there is a 7-week countdown until the start of the summer examinations in the week beginning the 9th May. Staff will use the data gained from the mocks to plan a comprehensive road map that covers any areas of weakness. The Year 11 team will also send our regular updates to outline any important information.
Within this period, we will work with our students to prepare them for the summer examinations, the details of which are below:

- Year 11 Takeaway Evening on Thursday 17th March 2022. This evening focuses on sharing revision and support materials with parents and students. We will also be sharing the mock examinations results at this event.
- Period 6 revision with subject teachers after school. The timetable has been shared with parents and students.
- Period 7 support sessions with targeted students.
- Easter holiday sessions with subject staff for additional revision.
- Targeted tutor time intervention sessions (2 per week).
- Careers support – one to one appointments with the Careers Advisor will continue.

We would also like to remind parents that the Year 11 Prom is scheduled to take place on Thursday 7th July 2022 at the Windmill Village Hotel.
Any further questions or queries, please do not hesitate to contact us.

Yours faithfully

Michelle Goodwin
Deputy Headteacher

Ms E O'Connor
Headteacher

Mock Updates

This booklet contains guidance for **some of the mock examinations** where we can provide a greater focus for your revision. This booklet only outlines updates for the mock examinations and **not** the summer examinations.

We will be sharing detailed information with you regarding all the updates for the summer examinations in a separate booklet.

Please use this booklet for the subjects listed below **ONLY**, alongside the original mock booklet.

SUBJECTS

- Mathematics
- Science
- Media
- Music

Good Luck Year 11!

17th March – Results Day
Takeaway Evening

KEY DATES:
Don't forget – Prom 7th July 2022
Reply slips to book your place due - Friday 18th February 2022
Payment by Easter

Foundation Paper 1 – Non-calculator - Revision Topics

Topic	Detail
Number (see Ratio)	
Arithmetic	Four operations
	Negative number
	Order of operations
	Estimation
Fractions	Arithmetic
	Fraction of a number
Indices	Laws of Indices
Standard Form	Conversion
	Calculation
Other	Inequality notation
	Systematic listing
Algebra	
Equations	Linear
Graphs	Recognise
	Plot
	Linear graph
	Intersection of lines
	Interpret
Reasoning	Formula
Sequences	Sequence rule to find a term

Ratio (see Number)	
Conversions	Lengths
Percentage	Percentage of an amount
	Amount as a percentage
Fraction	Fraction less than 1
Ratio	Simplest form
	Ratio to fraction
Applications	Cost problem
	Density

Geometry and Measures	
Shapes	Naming circle part
	Types of triangle
	Translation
Area and Volume	Perimeter
	Sector of a circle
Angles	In triangles
Constructions	Region

Statistics
Two-way table
Averages problem
Outlier
Probability
Problem
Venn diagram

Foundation Paper 2 – Calculator allowed - Revision Topics

Topic	Detail
Number (see Ratio)	
Arithmetic	Order of operations
Fractions	Fraction of a number
	Improper fraction
	Fraction to decimal
Properties	Number line decimal
	Number problem
	Prime number
	Cube number
	Decimal place
Other	Inequality notation
Algebra	
Equations	Linear
Manipulation	Equivalent expressions
	Terms
	Multiply out
	Factorisation
Graphs	Coordinates
	Midpoint
	Point on line
	Intercept of a line
	Gradient of a line
	Equation of a line

Ratio (see Number)	
Conversions	Time
Percentage	Ratio and percentage
	Percentage increase
	Percentage decrease
Ratio	n : 1 form
Applications	Proportion problem
	Scale diagram
	Better value
	Ratio to percentage
	Equation to percentage
	Rate of output

Geometry and Measures	
Shapes	Draw shape
	Quadrilateral
	Parallelogram
	Part of circle
	Pythagoras
Measures	Time problem
Area and Volume	Compound shape

Statistics
Pie chart
Range
Mean
Probability
Relative frequency
Expected value
Tree diagram

Maths

Higher Paper 1 – Non-calculator - Revision Topics

Topic	Detail
Number (see Ratio)	
Arithmetic	Decimal
Fractions	Arithmetic
	Fraction of a number
	Value as fraction of another
	Recurring decimals as fractions
Percentage	Percentage as operator
Indices	Laws of Indices
Standard Form	Conversion
	Calculation
Surds	Simplification

Algebra	
Equations	Of a straight line
	Linear
Manipulation	Identity
	Simplification of algebraic fraction
	Simplification
	Factorisation of quadratic
	Change subject
Graphs	Recognise
	Sketch function
	Speed time
	Inequality region
	Interpret
Sequences	Algebraic

Geometry and Measures	
Shape	Congruence
	Prism
	Faces
	Exact trigonometric values
Area and Volume	Sector a of circle
Vectors	Vector geometry
Constructions	Region

Ratio (see Number)	
Ratio	Simplest form
	Proportion problem

Statistics
Cumulative frequency
Probability
Venn diagram
Tree diagram
Expected value
Independent events

Higher Paper 2 – Calculator allowed - Revision Topics

Topic	Detail
Number (see Ratio)	
Properties	Prime number
	Cube number
	Reciprocal
	Decimal places
	Bounds
Fractions	Products
Indices	Negative

Algebra	
Equations	Of a circle
	Linear
	Quadratic
	Number line inequality
Manipulation	Factorisation of quadratic
	Multiply out
	Completing the square
Graphs	Coordinate problem
	Perpendicular lines
	Turning point
Functions	Inverse
Sequences	Triangular number

Ratio (see Number)	
Ratio	Share into a ratio
	On a line
Fraction	To percentage
Conversions	Time
Applications	Equation to percentage
	Rate of output
	Pressure
Percentage	Percentage increase
	Percentage decrease

Geometry and measures	
Area and Volume	Compound shape
	Cone
	Hemisphere
	Volume scale factor
Shape	Plan
	Pythagoras
Measures	Time
Other	Geometric proof

Statistics
Estimation from sample
Pie chart
Mean
Probability
Relative frequency
Expected value
Notation

Your maths teachers have already shared this with you, please ask them any questions!

Combined Science

Exam overview

All pupils will have two papers; Biology and Physics.
The Biology paper is paper one content. The Physics paper is paper one and two content They are both 1 hour and 15 minutes

Revision Topics

Biology Combined Foundation

- B1 Cell Biology
- **NOT Osmosis & Active transport**
- B2 Organisation
- **NOT Coronary heart disease: a non-communicable disease**
- B3 Infection and Response
- B4 Bioenergetics
- **NOT Uses of glucose from photosynthesis & Respiration**

Physics Combined Foundation

- P1 Energy
- P3 Particles of matter
- **NOT Particle model and pressure**
- P4 Atomic Structure
- **NOT Atoms and isotopes**
- P6 Waves
- P7 Magnets & electromagnets

Biology Combined Higher

- B1 Cell Biology
- **NOT Microscopy & Transport in cells**
- B2 Organisation
- **NOT Plant tissues, organs and systems**
- B3 Infection and Response
- **NOT Viral diseases, Fungal diseases, Protist diseases & Human defence systems**
- B4 Bioenergetics
- **NOT Uses of glucose from photosynthesis & Response to exercise**

Physics Combined Higher

- P1 Energy
- P3 Particles of matter
- **NOT Internal energy and energy transfers**
- P4 Atomic Structure
- P6 Waves
- P7 Magnets & electromagnets
- **NOT Permanent and induced magnetism, magnetic forces and fields**

Topics not explicitly given in any list **may appear in low tariff questions or via 'linked' questions.** Linked questions are those that bring together knowledge, skills and understanding from across the specification.
Students will still be expected to apply their knowledge to unfamiliar contexts.

Separate Science

Exam overview

- All pupils will have two papers: Biology and Physics.
- The Biology paper is paper one content.
- The Physics paper is paper one and two content..
- They are both 1 hour and 45 minutes

Revision Topics

Biology Separate (Set 1)

- B1 Cell Biology
- **NOT Cell differentiation**
- B2 Organisation
- **NOT Principles of organisation, Blood & Cancer**
- B3 Infection and Response
- **NOT Protist diseases**
- B4 Bioenergetics
- **NOT Uses of glucose from photosynthesis, Aerobic and anaerobic respiration, Response to exercise & Metabolism**

Physics Separate (Set 1)

- P1 Energy
- P3 Particles of matter
- **NOT Particle model and pressure**
- P4 Atomic Structure
- **NOT Atoms and isotopes, Hazards and uses of radioactive emissions and of background radiation & Nuclear fission and fusion**
- P6 Waves
- **NOT Electromagnetic waves & Black body radiation**
- P7 Magnets & electromagnets
- **NOT Permanent and induced magnetism, magnetic forces and fields**
- P8 Space Physics

Topics not explicitly given in any list **may appear in low tariff questions or via 'linked' questions.** Linked questions are those that bring together knowledge, skills and understanding from across the specification.
Students will still be expected to apply their knowledge to unfamiliar contexts.

Media

Exam overview

Component 2
Timings: 1 hour and 30 minutes
Marks available: 60 marks = 30% of overall grade

Section A: TV Crime Dramas – Luther 30 marks
- ❑ Media language
- ❑ Media contexts

Section B: Music and Online Media – Taylor Swift and Bruno Mars
- ❑ Representation: Music Videos – Bad Blood and Uptown Funk
- ❑ Media industries: Music websites – Taylor Swift

Revision Topics

Luther
- ❑ Create a mind map of contextual factors. Aim for 5-8 points
- ❑ Find 2 examples of the following: use of editing, use of sound, use of lighting, use of camera angles/shots, use of enigma/action codes
- ❑ Find 2 examples of the ways TV crime drama conventions are conformed to

Taylor Swift and Bruno Mars

Music Video
- ❑ Find 3-5 examples of the following: intertextuality, representation of men, women, ethnicity – link to dominant ideologies.

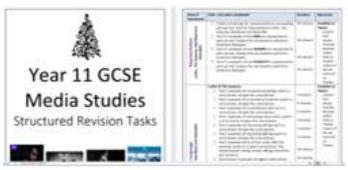
Website
- ❑ Find 3-5 examples of: the way website conventions are conformed to, the use of social media, the merchandise, the links to the marketing campaigns/promotional materials, media language used to match the new album etc. Representation surrounding the new album etc.

Supporting resources

You will have been given a revision guide for Component 2 along with a task sheet to support your revision.

You should use this for the following texts only: Luther, Taylor Swift and Bruno Mars.

All resources have been printed for you and are accessible via Teams, ClassCharts and email!



Microsoft Teams

ClassCharts

Music

Exam overview

1.AOS1 set work = Badinerie **section B**
2.AOS1 unheard listening = Romantic music (1820-1900)
3.AOS 2 unheard listening = Vocal music
4.AOS 2 unheard listening = Vocal music
5.AOS 3 unheard film music
6.AOS 3 = 10 mark extended writing film music
7.AOS 4 set work =Africa **VERSE 2** and or **CHORUS 2**
8.AOS 4 unheard listening = pop

Revision Topics

Badinerie SECTION B
Romantic music
Vocal music
Film Music
Africa VERSE 2 CHORUS 2
Pop music

Key features
Instruments
Time signatures
Dynamics and tempo
Structure
Tonality / harmony
Texture
Melodic and rhythmic devices

Supporting resources

Annotated scores – emailed, on Class Charts and Teams
Knowledge organisers -emailed, on Class Charts and Teams
AOS booklets from lessons
Music theory . Net
BBC bitesize