## Pre-Public Examination Timetable

**Friday 14th February to Tuesday 2nd March 2020**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Subjects</th>
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<tbody>
<tr>
<td><strong>Friday 14th February</strong></td>
<td></td>
<td><strong>Art (ALL DAY)</strong></td>
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<tr>
<td><strong>Monday 24th February</strong></td>
<td>8.45am</td>
<td><strong>English Language (2 hours)</strong></td>
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<td></td>
<td>1pm</td>
<td><strong>Biology Separate Science (1 hour 45mins)</strong></td>
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<td><strong>Biology Double Award (1 hour 15mins)</strong></td>
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<td><strong>Applied Science (1 hour 30mins)</strong></td>
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<tr>
<td><strong>Tuesday 25th February</strong></td>
<td>8.45am</td>
<td><strong>Religious Studies (2 hours)</strong></td>
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<td></td>
<td>1pm</td>
<td><strong>Chemistry Separate Science (1 hour 45 mins)</strong></td>
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<td><strong>Chemistry Double Award (1 hour 15 mins)</strong></td>
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<tr>
<td><strong>Wednesday 26th February</strong></td>
<td>8.45am</td>
<td><strong>Drama (1 hour 30 mins)</strong></td>
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<td></td>
<td>1pm</td>
<td><strong>Physical Education (2 hours)</strong></td>
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<td><strong>Textiles (2 hours)</strong></td>
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<td></td>
<td></td>
<td><strong>Computer Science (1 hour 45 mins)</strong></td>
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<td><strong>History (1 hour)</strong></td>
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<td></td>
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<td><strong>Physics Separate Science (1 hour 45 mins)</strong></td>
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<td><strong>Physics Double Award (1 hour 15 mins)</strong></td>
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<tr>
<td><strong>Thursday 27th February</strong></td>
<td>8.45am</td>
<td><strong>Business Studies (2 hours)</strong></td>
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<td>1pm</td>
<td><strong>French (1 hour 15 mins)</strong></td>
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<td><strong>Child Development (1 hour 30 mins)</strong></td>
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<td></td>
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<td><strong>History – Mop Up (1 hour)</strong></td>
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<td><strong>Food &amp; Nutrition – Mop Up (1 hour 30 mins)</strong></td>
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<td></td>
<td></td>
<td><strong>Computer Science – Mop Up (1 hour 45 mins)</strong></td>
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<td><strong>Welsh (1 hour 30 mins)</strong></td>
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<td><strong>Friday 28th February</strong></td>
<td>8.45am</td>
<td><strong>Product Design (2 hours)</strong></td>
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<td>1pm</td>
<td><strong>ICT (1 hour 30 mins)</strong></td>
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<td><strong>Music (1 hour 30 mins)</strong></td>
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<td></td>
<td></td>
<td><strong>Food &amp; Nutrition (1 hour 30 mins)</strong></td>
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<td><strong>French – Mop Up (1 hour 15 mins)</strong></td>
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<td><strong>Physical Education –Mop Up (2 hours)</strong></td>
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<tr>
<td><strong>Monday 2nd March</strong></td>
<td>8.45am</td>
<td><strong>Mathematics Non-Calculator Sets 3-4 (1 hour 45 mins)</strong></td>
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<td>1pm</td>
<td><strong>Geography (1 hour 30 mins)</strong></td>
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<td><strong>French - Mop Up (1 hour 15 mins)</strong></td>
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<td><strong>Food &amp; Nutrition (1 hour 30 mins)</strong></td>
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<td><strong>Child Development (1 hour 30 mins)</strong></td>
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- Students will sit their PPEs in the Gym or in The Marion Centre Hall
- If students do not have a PPE they will attend their usual timetabled lessons

**Amendments for students entitled to exam concessions**

- PPEs will take place either in F Block, The Marion Centre or the LRC
- Where necessary, students will have a delayed break after session 1 and a lunch pass to attend session 2 exams early
PREPARING FOR PPEs

Manage your time - develop a regular work schedule
- Arrange your revision into short blocks of time - work in regular, short blocks rather than one long session
- Give yourself a reward after each session. This will help you to stay motivated
- Remember! Revising each day is much better than one day every week

How to concentrate - avoid distractions and practise regularly
- Don't try to revise too many subjects in the same session - switching between subjects may cause confusion. One subject in each session may be enough - may help you to concentrate
- Leave your phone in another room
- It's better to do one small thing well, rather than several things badly
- A series of small successes will make you feel more confident

Take short breaks - you can have fun too!
- If you start to feel tired or fed up, have a short break.
- Do something relaxing - but don't use this as an excuse to escape hard topics
- Some topics will be harder than others - so be prepared
- The secret to this approach - have a bit of fun, then get back to work!

Your best time - revise at a time which suits you
- Some people work best earlier in the day, because they feel more alert. Others might prefer to work after school, in the library. You might like to work at home in the evening. Decide on your best routine, and then stick to it
- Working late at night isn't usually a good idea

Making notes
- Find your exercise book then the topics to revise
- Read the notes, highlight any key information. The aim is to condense the information
- Try a different colour for different topics
- Transfer the information onto prompt cards or mind maps

Quick revision tips – prompt cards
- You can sometimes use very short periods for revision. Five or ten minutes may be enough to remind yourself of a course overview. Short periods are also useful for revising word lists, dates, or formulas
- Carry small revision cards and prompt lists for this purpose. You can check through a list whilst you are on a bus, for instance.

Quick revision tips – mind maps
- Write the key topic in the middle of the page
- Draw lines out of the centre and write key information on the lines
- Smaller lines can be added with extra information

Other ideas
- Technology – find an app which suits you. Online revision sites can be really helpful for content information, games and exam question examples. Ask your subject teachers what they can recommend
- Ask your teacher to suggest a revision text book - you may like to vary your revision
- Teach a friend. This can be a very effective way to prepare for exams
- Make a film! (it’s easy – I know!) or put your revision to music; record notes onto an iPad or iPhone and play back to yourself; revise with friends – this may work for you

Share
If you have a good revision tip or find a good revision site, let your teacher know and let your friends know

Ask
Your teachers will help you – just ask!
Take a look at these https://www.youtube.com/watch?v=wjh10kj9Y64 (Top 10 Tips for Exam Revision) https://www.youtube.com/watch?v=hnpQrMqDoqE (Managing Stress)
REVISION TOPICS

Art
Length of examination 5 hours
All students are responding to a topic which they have chosen from their current external exam paper (which started 17th January and continues until 31st March). Work produced during the PPE will therefore contribute to the preparatory work for their actual external exam
Topics/skills to be assessed (25% each)
• Contextual research
• Creative making
• Reflective recording
• Personal presentation

Business Studies
Length of examination 2 hour
Topics/skills to be assessed
• Types of goods/services
• Public v Private sector
• The Supply Chain
• The Product Life Cycle
• Growth (including franchises)
• Market Segmentation
• Importance of Customer Service
• Methods of Sales Promotion
• Organisational Charts
• Entrepreneurs
• Factors of Location
• Market research
• Business plans
• Advantages and Disadvantages of a business being ethical
• Aims and Objectives
• Break-even
• Percentage increases
• Types of ownership: LTDs
• Human Resources: Recruitment, Training, Motivation and Legal responsibilities
• Profit and Loss accounts and ratio analysis
• Economic Factors
• Sources of Finance

Child Development
Length of examination 1 hour 30 minutes
Topics/skills to be assessed
• Food and health - Minerals & vitamins, feeding babies and children
• Pregnancy - Preconceptual care, development of baby, pain relief, delivery, and postnatal checks - Mother and baby
• Family and child - Types of family, culture and support networks
• Physical development - Eyes & ears, infectious diseases
• Intellectual development - learning through play
• Social & emotional development - Stressful situations

Computer Science
Length of examination 1 hour 45 minutes
Topics/skills to be assessed
Topic 1 Hardware
• Components of the CPU (CPU Architecture)
• Fetch-decode-execute cycle
• RISC v CISC processors
• Memory types- RAM, ROM, flash, cache

Topic 2 Logical Operations
• Truth tables
• Logic gates
Topic 3 Communication
- Advantages and disadvantages of networks
- Network topologies: Bus, Star
- DNS (Domain Name System)
- Packet switching vs circuit switching

Topic 4 Organisation and structure of data
- Conversions between denary, binary and hexadecimal (up to 16 bits)
- Binary addition
- Arithmetic shift left and right and explain their effect
- Representing graphics and sound

Topic 6 - Principles of programming
- High level + Low level languages

Topic 7 - Software Engineering
- Role of Integrated Development tools in developing and debugging programs

Topic 8 - Program Construction
- Compiler, Interpreter, Assembler
- Programming Errors

Drama
Length of examination 1 hour 10 minutes approx
Topics/skills to be assessed
Section A
- Romeo and Juliet by William Shakespeare
- Romeo - Characterisation, Motivations
- Mercutio - Characterisation, Motivations
- Nurse - Characterisation, Motivations
- Movement - Body Language, Gesture, Proxemics, Movement, Facial Expression, Levels
- Voice - Tone, Accent, Pitch, Volume, Articulation, Pace
- Location, Mood and Atmosphere
- Sound - effects, music, volume, transition
- Stage Shapes - Traverse, End-On, In-The-Round, Proscenium Arch, Thrust
- Stage Design - Set, props, style, colour, materials etc

Section B
- Hedda Gabler/Lord of the Flies Live Theatre Review (Movement-BGPMFL)
- Production Style
- Meaning Created
- Personal/Audience Response

English Language
Length of examination 2 hours
Topics/skills to be assessed
Unit 2 paper
Section A (Reading)
- 'Explain' question
- 'How does' question
- 'Synthesis' question
- Editing question (5 marks)
- Proof reading question (5 marks)

Section B (Writing)
- A response to a 'Describe' task or an 'Exposition' task

Food and Nutrition
Length of examination 1 hour 30 minutes
Topics/skills to be assessed
- Pasta
- Functions of ingredients in making cakes
- Carbohydrates
- Ready meals food trends
- Meat - cooking and traceability
- Food poisoning
- Eggs
- Social, Religious, Moral and Ethical food choices

**Fashion and Textiles**
Length of examination 2 hours
Unit 1 (written exam)
- Computer Aided Design (CAD)
- Fossil fuels
- Designers - Stella McCartney/Laura Ashley/Orla Kiely
- Smart materials
- Anthropometric data
- Properties of fibres
- Natural/ Regenerated/Manufactured polymers
- Finishing techniques
- Sewing machine functions
- Use of patterns
- Construction methods - Weave, bonded, knitted
- Electronics in clothing
- Embellishments/surface decoration
- Mass/batch/one-off production methods

**French**
Length of examination 45 minutes - 1 hour 30 minutes
Topics/skills to be assessed
Reading Paper (1 hour 15 minutes)
- School
- Self and relationships
- Health
- Home and Locality
- Local and regional features
- Jobs (for young people)
- Environment
- Translation: Customs and traditions
Listening paper (Approximately 45 minutes (with an additional 5 minutes reading time)
- Local area
- Environment
- School, employment and career plans
- Self and Relationships
- Customs and traditions
- Sport
Writing paper (1 hour 30 minutes)
- Freetime/ hobbies
- school/ education or Health and fitness
- Translation: Local area

**Geography**
Length of examination 1 hour 30 minutes
Topics/skills to be assessed
Theme 1
- Wave cut notch and platform
- Types of erosion
- Calculating median
- Relief of land
- Human impacts of landscapes
- How rock type and structure impacts erosion
- Coastal management
- Hard and soft engineering in rivers
Theme 2
- Spheres of influence
- Population pyramids
- Challenges of ageing population
- Problems facing rural areas
- Problems facing city centres due to internet shopping
- Strategies to improve city centres
- HIC and LIC city challenges

Theme 3
- Tectonic vulnerability
- Volcanic hazards
- Volcanic management

History
Length of examination 1 hour
Topic/skills to be assessed
- Women and the Second World War
- Preparations for the Second World War
- Propaganda during the Second World War
- Developments in post war Britain - including the Beveridge Report, Labour's victory in 1945, the NHS, and nationalisation
- The impact of the Depression on ordinary people

ICT – Unit 3
Length of examination 1 hour 30 minutes
Topic/skills to be assessed
- Topic 1 Data and Quality of Data
- Topic 2 Data Logging and Control Systems
- Topic 3 Compression Techniques
- Topic 6 Multimedia
- Topic 7 Digital Imaging
- Topic 8 Animation
- Topic 9 Sound and Music
- Topic 10 Networks
- Topic 11 Human-Computer Interfaces
- Topic 15 Emerging Technologies

Maths
Length of examination 1 hour 45 minutes
There are two papers; one non-calculator paper and one calculator paper
Topic/skills to be assessed
All classes
- Effective use of a calculator
- Negative numbers
- Solving equations
- Rounding and estimating
- Approximation, errors and limits
- Shape: Area, perimeter, volume
- Prime factors, highest common factors and lowest common multiples
- Fractions
- Decimals
- Percentages
- Ratio
- Angle properties (Straight lines, triangles and parallel lines etc.)
- Measures of average
- Pythagoras's theorem
- Probability
- Trial and improvement
- Expanding Brackets
- Factorising
- Sequences (nth term)
- Congruence
• Constructions
• Graphs
• Transformations

Sets 2 and 3 only
• Angles in polygons
• Quadratic equations
• Simultaneous equations
• Trigonometry
• Solving Inequalities
• Circle theorems

**Music**
Length of examination approx 1 hour
Examinations will take place in rooms A04 and A03. Audio CD required
Topic/skills to be assessed
• Purcell Rondeau
• Dynamics
• Rhythm
• Structure
• Melody
• Instruments/Ensembles/Voices
• Texture
• Harmony/Tonality/Cadences
• Expression/Technology
• Tempo/Metre
• Musical Devices
• Styles/Genres
• Pitch dictation
• Cadences
• Key
• Periods of History – dates
• Mood – melody/tonality/texture
• Comparison
• Stereophonics – Handbags and Gladrags

**PE**
Length of examination 2 hours
Topics/skills to be assessed
Unit 1 (Health Training & Exercise)
• Components of Fitness
• Measuring and Testing Fitness
• Methods of Training
• Phases of Warm Up and Cool Down
• Sedentary Lifestyle
• Benefits of exercise
Unit 2 (Exercise Physiology)
• Cardiovascular System
• Training Zones
• Types of Muscle Fibres
• Energy Systems
• Short Term and Long Term Effects of Exercise
• Muscular and Skeletal System
Unit 3 (Movement Analysis)
• Types of Muscular Contraction
• Lever System
• Planes and Axis of Motion
• Technological Developments in Sport
Unit 4 (Psychology of Sport)
• Goal Setting
• Information Processing
Stages of Learning
Characteristics of a Skilled Performance
Types of Guidance
Types of Practice
Knowledge of results/Knowledge of performance

Product Design
Length of examination 1 hour 30 minutes
Topics/skills to be assessed
• Product Analysis
• Materials
• Energy Sources
• Manufacturing
• CAD/CAM
• Global manufacturing

Religious Studies
Length of examination 2 hour
Each unit will have questions A-D. You will be expected to use key terminology and refer to religious teachings and concepts. The topics that will be assessed are based on Paper 2 of the GCSE (Year 11 content)
Topics/skills to be assessed
Unit 1 Christian Beliefs
• Key Concepts: Bible, Reason, Revelation, Judgement, Pilgrimage, Heaven/Hell
• Afterlife
• Pilgrimage in Christianity
• The Bible
Unit 2 Muslim Beliefs
• Key Concepts: Prophet, Al-Qadr, Mecca, Akhirah, Burkha, Lesser Jihad, Hijab
• Afterlife in Islam
• Hajj
• Clothing
Unit 3 Ethics Relationships
• Key Concepts: divorce, marriage, adultery, commitment, roles
• Divorce
• Marriage
• The religious attitudes to sex
Unit 4 Human Rights
• Key Concepts: Human Rights, personal conviction, social justice, discrimination
• Human Rights
• Practices that promote human rights
• Whether believers should always follow law
Revision material and videos on how to answer each of the questions can be found on Edmodo. Speak to your teacher to get the class code for Edmodo if you have not already done so. If you wish to purchase a revision booklet speak to Mrs. Jones or your RS teacher.

Science
Separate Science
Length of examination 1 hour 45 minutes
Biology
• 2.1 Classification and biodiversity
• 2.2 Cell division and stem cells
• 2.3 DNA and inheritance
• 2.4 Variation and evolution
• 2.5 Response and regulation
Chemistry
• 2.1 Bonding, structure and properties
• 2.2 Acids, bases and salts
• 2.3 Metals and their extraction
• 2.5 Crude oil, fuels and organic chemistry
Physics
• 2.1 Distance, speed and acceleration
• 2.2 Newton’s laws
• 2.3 Work and energy
• 2.5 Stars and planets

**Double Award Science**
Length of examination 1 hour 15 minutes

**Biology**
• 4.1 Classification and biodiversity
• 4.2 Cell division and stem cells
• 4.3 DNA and inheritance
• 4.4 Variation and evolution

**Chemistry**
• 5.1 Bonding, structure and properties
• 5.2 Acids, bases and salts
• 5.3 Metals and their extraction

**Physics**
• 6.1 Distance, speed and acceleration
• 6.2 Newton’s laws
• 6.3 Work and energy

**Applied Science Double Award**
Length of examination 1 hour 30 minutes

• 3.1 Materials for a purpose
• 3.2.1 Producing food
• 3.2.2 Food processing and spoilage
• 3.3 Scientific Detection
• 3.4.1 Controlling chemical reactions
• 3.4.2 Controlling nuclear reactions

It is really important at this stage to make sure that you know all of the knowledge linking to these topics. The quizlet links will provide useful activities to help with this process.
You can also access past paper questions using the WJEC question bank. There are answers provided for you to check your progress and reflect on areas that require more attention.

**Welsh**
Length of examination 1 hour 30 minutes

**Reading and Writing paper**
• Topic/skills to be assessed
• Reading Comprehension
• Writing
• Translation English to Welsh
• Proof Reading

Potentially any theme is possible within the 3 given by the WJEC Employment/Wales and the World/Youth. However, elements of the following themes will feature; Part-Time Work, Leisure Time, Learning the Welsh Language.