25 May 2018

Dear Parent/Carer

YEAR 10 INTERNAL EXAMINATIONS

The second set of Year 10 internal examinations run from Monday 25 June until Friday 29 June 2018.

This booklet provides a summary of the topics students need to revise for all subjects in the attached examination timetable, which can also be found on the school website. Their subject teachers will ensure they have a clear understanding of what to revise and what equipment is needed for each examination. It is the student’s responsibility to bring in the appropriate equipment for all examinations. All subjects have provided further details, including all specific revision resources mentioned in this guide on www.showmyhomework.co.uk (SMHW). In order to support your child’s revision and preparation during the half term break, please refer to this website for further information. If you have any difficulty logging into SMHW, please email me on z.newman@brentsidehigh.ealing.sch.uk.

These examinations are an opportunity for students to further develop their revision and examination skills, which will prepare them for their entry into Year 11. In certain subjects, they will allow teachers to identify the appropriate set for your child on entry into Year 11. They also provide a second chance to experience the procedures of formal examinations, so that these are highly familiar to students by the end of Year 11. Finally, they form a very important part of the wider assessment process and will support both students and teachers in understanding to what extent knowledge and skills have developed over the first year of Key Stage 4.

I would like to take this opportunity to wish your child every success in the forthcoming examinations and to thank you in advance for your support.

Yours faithfully,

Mr Newman
Year 10 Leader
Mathematics: Please use your exercise books, vle.mathswatch.co.uk & www.mymaths.co.uk to help with revision (further website and resources are listed on SMHW). You will be sitting both non-calculator and calculator papers. The assessment will cover the entire KS4 curriculum.

Sets 1 – 3: The higher tier paper covers grades 4 – 9

Sets 4 – 5: The foundation tier paper covers grades 1 – 5

Students must remember to bring the necessary equipment to all three examinations; this includes: pens, pencils, ruler, protractor, compass and a scientific calculator for the calculator papers only.

English: Your assessment will comprise of part of English Literature Paper 1 (Shakespeare and Poetry). You will have to answer a question on a named poem (20 minutes) and then compare this poem to one of their choice (40 minutes). You will have studied four poems prior to the mock and will be assessed according to the following objectives:

**AO1 (understanding)** – Read, understand and respond to texts. Students should be able to:
- maintain a critical style and develop an informed personal response
- use textual references, including quotations, to support and illustrate interpretations.

**AO2 (analysis)** – Analyse the language, form and structure used by a writer to create meanings and effects, using relevant subject terminology where appropriate.

**AO3 (context)** – Show understanding of the relationships between texts and the contexts in which they were written.

Use this half term to revise poetic techniques (refer to guide on SMHW) and wider reading and research on WWI.

Science: Each paper will be subject specific (i.e. biology, chemistry and physics). The papers will be tiered and your teacher will inform you of what tier you are sitting. Use your exercise book and resources on SMHW to revise the following topics:

**Biology:**
- Key Concepts in Biology
- Cells and Control
- Genetics
- Natural Selection and Modification
- Health, Disease and Development of Medicine

**Physics:**
- Key concepts of physics
- Motion and forces
- Conservation of energy
- Waves
- Light and the electromagnetic spectrum
- Radioactivity

**Chemistry:**
- Key Concepts in Chemistry – Atomic structure, Periodic Table, Ionic bonding, Covalent bonding, Types of substance.
- States of Matter and Separating techniques
- Acid and bases
- Rates of reaction
- Earth and Atmosphere, Fuels

Geography: Use your exercise book to revise topics covered since September. Lessons and other revision resources are uploaded onto SMHW to support your revision. You will be assessed on the following topics:

- UK Challenges (Geology, Rivers, Coasts)
- Physical fieldwork – Rivers
- Weather and Climate
- Changing Cities
Citizenship: Use your exercise book to revise topics covered since September. All lessons are uploaded onto SMHW to support your revision. You will be assessed on the following topics:

- Theme A – Living in the UK
- Theme B – Democracy at work in the UK
- Theme C – Law and Justice

The paper will consist of a mixture of questions including one 12 mark and one 15 mark question. Students should use their books and the PowerPoints on SMHW to familiarise themselves with the structure of the exam questions particularly the 6, 12 and 15 mark questions.

History: Use your exercise book, textbooks, revision guides, the internet and books in the library to revise all content covered thus far, each paper will focus on:

**Paper 1: Medicine through time, c1250-present and The British sector of the Western Front, 1914–18: injuries, treatment and the trenches**

Consider: Ideas about the cause of disease and illness and approaches to prevention and treatment across the following:
- c1250–c1500: Medicine in medieval England
- c1500 - c1700: The Medical Renaissance in England
- c1900 – present: Medicine in modern Britain
- Western Front, 1914–18: injuries, treatment and the trenches

**Paper 2: Conflict in the Middle East, 1945–95 AND Henry VIII and his Ministers**

*(Revise up to the topic you have covered)*

**The birth of the state of Israel, 1945–63**
- The British withdrawal and the creation of Israel / Aftermath of the 1948–49 war
- Increased tension, 1955–63

**The escalating conflict, 1964–73**
- The Six Day War, 1967 / Aftermath of the 1967 war / Israel and Egypt, 1967–73

**Attempts at a solution, 1974–95**
- Diplomatic Negotiations / The Palestinian Issue / Attempts at a solution

**Paper 3: Weimar and Nazi Germany, 1918–39**

**Was the Weimar Republic doomed from the start? What life like - 1918 – 1929**

Challenges to the new republic / Impact of WW1 on Germany – Social /economic/political / Extremists groups / The strength and weaknesses of the Constitution/Causes and impact of Hyperinflation/ Stresemann’s policies / The Golden years – culture/architecture/art/ women

The Depression – impact on Germany

**How Hitler and the Nazi able to rise to power? 1919-1933**

Nazi party - The early years / Nazi beliefs in the 1920s
The Munich Putsch – Reasons for and failure of the Munich Putsch / its impact
Nazi Party – the *Lean years – 1924 – 1929*

How did Hitler organise the party/ The work of the SA
Factors that helped Hitler become Chancellor
Factors/events that helped Hitler become a Dictator… consolidate power/strengthen power

**Nazi control and dictatorship**

The police state - What was it like to live in Nazi Germany? 1933 – 1939
Control and influencing attitudes… the use of terror and propaganda
How did the Nazis change lives of the women, the workers, the young and the minorities
Opposition, resistance and conformity
Religious Studies: Use your exercise book to revise topics covered throughout the course. All lessons are uploaded onto SMHW to support your revision. You will be assessed on the following topics:

- Relationships and families: contraception, sexual relationships, marriage, divorce and remarriage, homosexuality, family roles and issues, and gender equality.
- Religion and life: origins of the universe, creation stories, the use of animals, the environment, abortion, euthanasia, and the afterlife.
- Religion, peace and conflict: forgiveness and reconciliation, violence and terrorism, Just War Theory, Jihad, weapons of mass destruction, and peace and pacifism.
- Religion, crime and punishment: corporal punishment, capital punishment, forgiveness, crime, the aims of punishment, the treatment of criminals, good and evil.

You should use your Year 9 books to revise the first topic (relationships and families), and your Year 10 books to revise the other three topics. You will answer 4 sections, and each section will include a 1 mark question, 2 mark question, 4 mark question, 5 mark question and 12 mark question. SPaG will be assessed and three marks will be given for SPaG on the 12 mark questions.

French & Spanish: Revision can be supported using various resources, including exercise books and www.linguascope.com (Username: Brentside Password: london2017). Students will be assessed on the following topics:

**Family and Relationships**
- Describing people
- Friendships
- Family relationships
- Arranging to go out
- Describing a day out
- Describing role models

**School**
- School subjects
- Giving opinions on subjects and facilities
- Comparing your school and French school
- Rules
- Extracurricular activities
- School successes

**Leisure, hobbies, and technology**
- Leisure activities
- Going to the cinema
- Using technology
- Reading and music tastes/habits
- TV programmes
- A night out

**Tourism/ town-city**
- Activities in your area
- Describing a regional
- At the tourist office
- Discussing plans & the weather
- Describing your area

**Holidays**
- Normal holidays
- Staying at a hotel
- Transport
- Activities (past & present)
- At a restaurant
- Holiday disasters

**Music**
- **Elements of Music**: understanding the meanings of the different ‘Elements of Music’ - pitch (how high or low music is), tempo (how fast or slow Music is), texture (how many different parts are playing), silence (no sound), timbre (different sounds created by instruments), dynamics (how loud or soft music is) and duration (how long or short a note is).
- **Killer Queen – Queen**
- **Music for a While – Purcell**
- **Brandenburg Concerto – Bach**
- **Piano Sonata No. 8 in C Minor ‘Pathétique’ – Beethoven**
**Computer science:** Students will be assessed on the following topics:

**Paper 1: Computer Systems**

**Components of a computer system**
- CPU
- Memory
- CPU Performance
- Secondary storage
- System software - OS and Utilities
- Open source and proprietary software

**Networks**
- LANs and WANs
- Hardware
- Wireless networks
- Client-server and Peer-to-peer networks
- Network topologies – Mesh and star
- Network protocols (HTTP, HTTPS, POP3, FTP, IMAP, SMTP), packet switching, Layers
- The internet
- Network security

**Legal, Ethical and environmental issues**

**Paper 2: Computational Thinking, Algorithms and Programming**

**Algorithms**
- Pseudocode and flow diagrams
- Search algorithms – binary search/linear search
- Sorting algorithms – bubble sort and merge sort

**Programming**

**Data representation**
- Logic gates
- Binary conversions (hexadecimal, denary, binary)
- Images
- Sound
- Compression

**Translators** - interpreters and compilers / high level and low level languages

**Integrated development Environments (IDE)**

Use the GCSE OCR Computer Science 9-1 textbook for revision. If you do not have one, we have some available in the department for sale at £8.36p. Payments MUST be made through ParentPay and a copy of your receipt presented at collection.

**Physical Education:** Use your exercise book, resources on SMHW and the revision guides and tests at the following website to revise all content covered throughout the course: [https://www.bbc.com/education/examspecs/zxbg39q](https://www.bbc.com/education/examspecs/zxbg39q)

You will be assessed on the Applied Anatomy and Physiology unit, which will include the following topics: the skeletal system; the muscular system; the respiratory system; the cardiovascular system; aerobic and anaerobic exercise; and the short and long term effects of exercise.

**Drama:** There will be no written exam in these assessments. Students need to continue to prepare for their GCSE practicing devising examination which will be taking place on Tuesday 3 July.
Health & Social Care: This assessment will focus on Unit 1: Human Life Span and Development for the BTEC Tech Award. Topics included in this assessment are:

- Development Across the Life Stages
- Factors Affecting Growth and Development
- Different Types of Life Events

This will be a 50 min paper and consist of a mix of multiple choice, short and extended responses. All questions will correlate with delivery of teaching in lessons. Students should refer to their coursework and lesson notes for revision.

Product Design: please refer to SMHW for specific guidance on topics in the assessment and resources to support your revision.