Year 10 Mid-Year Assessments – Revision Lists

In this document you will find revision lists for your mid-year assessments. All subjects should be listed below. This document is available on The Shuttleworth App, social media channels and the school website.

Addition revision guidance for all subjects has been provided to students in lessons, and is also available on the App.

Contents

Year 10

Week A	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan
A Band	English	Maths			
B Band	English	Maths			
C Band	English	Maths			
OPTION			Option C / Option F	Option B/ MFL Extra(A)	

Week B	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan
A Band			Science		
B Band				Science	
C Band			Science		
OPTION			Option A	Option D / Option E	MFL Extra(B)

1. English

Students will sit a Poetry Anthology Question.

Students will need to revise the context, content, themes, language and structure of the following poems:

Sonnet 29 by Elizabeth Browning

Love's Philosophy by Percy Shelley

Singh Song! by Daljit Nagra

Winter Swans by Owen Sheers

Letters from Yorkshire by Maura Dooley

The Farmer's Bride by Charlotte Mew

Porphyria's Lover by Robert Browning

When We Two Parted by Lord Byron

Neutral Tones by Thomas Hardy.

Students will also need to know similarities and differences across the poems, and how to structure a comparative poetry essay.

2. Maths

Foundation Maths – Non-Calculator

Ordering decimals - https://corbettmaths.com/2012/08/10/ordering-decimals-video/

Convert a decimal to a percentage - https://corbettmaths.com/2012/08/19/decimals-to-percentages/

Round to the nearest 10 - https://corbettmaths.com/2013/08/17/rounding-to-the-nearest-10/

Listing factors - https://corbettmaths.com/2012/08/24/factors/

Enlarge a shape on a grid - https://corbettmaths.com/2012/08/19/enlargements/

Money problems - https://corbettmaths.com/2021/12/04/change-money-video/

Reading scale - https://corbettmaths.com/2013/04/27/reading-scales/

Convert kg to grams - https://corbettmaths.com/2018/12/31/imperial-units-mass/

Solve one step equations - https://corbettmaths.com/2012/08/24/solving-equations/

Solve inequalities - https://corbettmaths.com/2013/05/07/solving-inequalities-one-sign-corbettmaths/

Identify congruent and similar shapes - https://corbettmaths.com/2013/04/15/congruent-triangles/ and https://corbettmaths.com/2012/08/10/congruent-and-similar-shapes/

Calculate the area of a triangle - https://corbettmaths.com/2012/08/10/angles-in-a-triangle/

Calculate the median from a list - https://corbettmaths.com/2012/08/02/the-median/

Mean from a list - https://corbettmaths.com/2012/08/02/the-mean/

Range from a list - https://corbettmaths.com/2012/08/02/the-range-video/

Multiply by a decimal - https://corbettmaths.com/2013/02/15/multiplying-decimals-2/

Complete a table of values - https://corbettmaths.com/2012/12/23/drawing-graphs-using-xy-tables/

Plot a straight-line graph from a table of values - https://corbettmaths.com/2012/12/23/drawing-graphs-using-xy-tables/

Inequalities on a number line - https://corbettmaths.com/2013/05/18/inequalities-on-a-number-line/

Interpret inequalities - https://corbettmaths.com/2013/05/18/inequalities/

Divide into a ratio given the difference - https://corbettmaths.com/2018/12/31/ratio-differences/

Exact trig values - https://corbettmaths.com/2013/04/20/exact-trigonometric-values/

Form and solve equations - https://corbettmaths.com/2013/04/20/forming-and-solving-equations/

Equations with perimeter - https://corbettmaths.com/2013/04/20/forming-equations-involving-perimeter-or-angles/

Simultaneous equations - https://corbettmaths.com/2013/03/05/simultaneous-equations-elimination-method/

Higher Maths – Non-Calculator

Powers and roots - https://corbettmaths.com/2012/08/11/1338/

Estimate calculations - https://corbettmaths.com/2012/08/21/approximation-to-calculations/

Range from a list - https://corbettmaths.com/2012/08/02/the-range-video/

Expand double brackets - https://corbettmaths.com/2013/12/23/expanding-two-brackets-video-14/

Index laws - https://corbettmaths.com/2013/03/13/laws-of-indices-algebra/

Subtract fractions - https://corbettmaths.com/2012/08/21/fractions-addition-and-subtraction/

Standard form - https://corbettmaths.com/2013/04/28/standard-form/

Standard form calculations - https://corbettmaths.com/2013/05/03/standard-form-division/

Simplifying a ratio - https://corbettmaths.com/2013/03/03/simplifying-ratio/

Dividing into a ratio - https://corbettmaths.com/2013/03/03/ratio-sharing-the-total/

Table of values - https://corbettmaths.com/2012/12/23/drawing-graphs-using-xy-tables/

Plot a straight-line graph from a table - https://corbettmaths.com/2012/12/23/drawing-graphs-using-xy-tables/

Translation - https://corbettmaths.com/2012/08/10/transformations-translations/

Form and solve equations - https://corbettmaths.com/2013/04/20/forming-and-solving-equations/

Equations with perimeter - https://corbettmaths.com/2013/04/20/forming-equations-involving-perimeter-or-angles/

Inequalities on a number line - https://corbettmaths.com/2013/05/18/inequalities-on-a-number-line/

Simultaneous equations (linear) - https://corbettmaths.com/2013/03/05/simultaneous-equations-elimination-method/

Pythagoras' Theorem ($a^2 + b^2 = c^2$) - https://corbettmaths.com/2012/08/19/pythagoras-video/

Negative enlargement - https://corbettmaths.com/2013/04/24/enlargements-with-negative-scale-factor/

Volume in similar shapes - https://corbettmaths.com/2013/11/17/similar-shape-volumes/

Solve a quadratic inequality - https://corbettmaths.com/2016/08/07/quadratic-inequalities/

Area of a non-right-angled triangle ($A = \frac{1}{2} abSinC$) - https://corbettmaths.com/2012/08/02/area-of-a-triangle-sinetrigonometry/

C Band Classes

Ordering decimals - https://corbettmaths.com/2012/08/10/ordering-decimals-video/

Convert a decimal to a percentage - https://corbettmaths.com/2012/08/19/decimals-to-percentages/

Round to the nearest 10 - https://corbettmaths.com/2013/08/17/rounding-to-the-nearest-10/

Listing factors - https://corbettmaths.com/2012/08/24/factors/

Percentage of Amount - https://corbettmaths.com/2012/08/20/percentages-of-amounts-non-calculator/

Money problems - https://corbettmaths.com/2021/12/04/change-money-video/

Reading scale - https://corbettmaths.com/2013/04/27/reading-scales/

Convert kg to grams - https://corbettmaths.com/2018/12/31/imperial-units-mass/

Solve one step equations - https://corbettmaths.com/2012/08/24/solving-equations/

Solve inequalities - https://corbettmaths.com/2013/05/07/solving-inequalities-one-sign-corbettmaths/

Substitution include Negative Numbers - https://corbettmaths.com/2012/08/20/substitution-into-expressions/

Inequalities on a number line - https://corbettmaths.com/2013/05/18/inequalities-on-a-number-line/

Interpret inequalities - https://corbettmaths.com/2013/05/18/inequalities/

Sharing ratio - https://corbettmaths.com/2013/03/03/ratio-sharing-the-total/

Expanding Double Brackets - https://corbettmaths.com/2013/12/23/expanding-two-brackets-video-14/

Quadratic Graphs in the form y = x2 + a - https://corbettmaths.com/2013/06/23/drawing-quadratics/

Factorising Quadratic - https://corbettmaths.com/2013/02/06/factorising-quadratics-1/

3. Science

4. History

Your exam paper will include:

1. Q3 - Explain the differences or similarities between two time periods (4 marks).

2. Q4 - Explain why essay (12 marks)

3. Q5/6 - How far do you agree essay (16 marks + 4 Spag)

Use your Paper 1: Medicine in Britain revision guide (provided at the start of Year 10) and the GCSE History Bitesize website (linked below) to support your learning.

• The causes of illness between 1700 – present.

• The work of Galen, the impact of the Church, Monastery hospitals and the lack of scientific knowledge during the medieval period.

• Care and treatment in hospitals between 1700-1900 – Florence Nightingale, James Simpson and Joseph Lister.

• Improvements in dealing with illness and disease 1500-1900 – The Great Plague 1665, Jenner and vaccination, Cholera and John Snow.

5. Geography

Section 1 – Paper 1, Section A, Natural Hazards (Tectonic)

- What are natural hazards?
- Plate tectonics theory
- Distribution of earthquakes and volcanoes
- Physical processes at plate margins
- The effects of earthquakes
- Responses to earthquakes
- Living with the risks from tectonic hazards
- Reducing the risks from tectonic hazards
- CASE STUDIES: Earthquakes in Nepal (LIC) and New Zealand (HIC)

Section 2 – Paper 2, Section A, Urban Issues and Challenges (Rio de Janeiro)

- Global pattern of urban change
- Factors affecting the rate of urbanisation
- The growth of Rio de Janeiro
- Social opportunities in Rio
- Economic opportunities in Rio
- Managing the challenges of urban growth
- Managing water, sanitation and energy
- Social challenges – access to health and education
- Challenge of social and environmental issues
- Planning for Rio's urban poor

Section 3 – Paper 1, Section C, Physical Landscapes in the UK (Rivers)

- Changes in rivers and their valleys
- Fluvial (river) processes
- River erosion landforms
- River erosion and deposition landforms
- CASE STUDY: River landforms on the River Tees
- Physical and human factors affecting flood risk
- Managing floods – hard engineering
- Managing floods – soft engineering
- CASE STUDY: Managing floods along the River Tees

6. Spanish

Identity and relationships with others

- ¿Qué tipo de persona eres? What type of person are you?

- ¿Cómo son tus amigos? What are your friends like?

- ¿Cómo es la familia moderna? What is a modern family like?

- ¿Cómo sería tu pareja ideal? What would your ideal partner be like?

Healthy living and lifestyle

- ¿Estás en forma? Are you in shape?

- ¿Eres sano? Are you healthy?

- ¿Te gusta la comida española? Do you like Spanish food?

- ¿Qué vas a comer? What are you going to eat?

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7. French

Identity and relationships with others

- Qui suis-je? Who am I?

- Quelle est ta personalité? What is your personality like?

- Comment est ta famille? What is your family like?

- Comment est ton/ta meilleur ami? What is your best friend like?

- Quels sont tes projets? What are your plans?

Healthy living and lifestyle

- Qu'est-ce tu manges? What do you eat ?

- C'est quoi le problème? What is the problem ?

- Comment rester en bonne santé? How to stay healthy ?

- Quelles sont tes habitudes? What are your habits ?

- Qu'est-ce tu as fait hier? What did you do yesterday?

- Qu'est-ce que tu feras pour rester en bonne santé? What will you do to stay in good health?

8. Computer Science

- 1.1 Systems Architecture
- 1.2 memory and storage
- 1.3 Netwoks, protocols and layers
- Programming – sequence and selection

9. Statistics

Reading two-way tables

Census and survey

Sampling techniques

Questionnaires

Face-to-face interviews

Grouped frequency tables

Histograms

Hypotheses

Types of data

Box plots

Comparing data

Comparative pie charts

10. Art

11. 3D Design

12. Photography

13. Hospitality & Catering

14. Business Studies

Use your revision guide pages 1-35, Paper 1 flash card booklet and Paper 1 Retrieval workbook.

1.1 Purpose of business activity

1.1 Entrepreneur characteristics

1.1 Risk and Reward

1.2 Purpose of a business plan

1.3 Types of business ownership- Sole trader, Partnership, Private Limited Company and Public Limited Company.

1.4 Aims and Objectives

1.5 Stakeholders

1.6 Growth- Internal and External

2.1 Purpose of marketing

2.2 Market research

2.2 Primary research

2.2 Secondary research

2.2 Interpreting market research

2.3 Market segmentation

2.4 Marketing Mix- Product, Price, Promotion, Place

15. Creative iMedia

- Moodboards
- Mind maps
- Visualisation diagrams
- Assets table
- Purpose and audience of media
- Client requirements

16. Drama

17. Music

18. Media Studies

19. Health & Social Care

20. GCSE PE

<u>C1 Topic 1.1</u>

Functions of the skeleton; classification of bones

Location of bones; structure of skeletal system

Muscle classification and characteristics

Muscle contractions

<u>C1 Topic 1.2</u>

Cardiovascular system

Blood vessels

Pathway of blood

How the heart works

Heart rate, stroke volume and cardiac output

Mechanics of breathing

Pathway of air and gaseous exchange

<u>C1 Topic 1.3</u>

Aerobic and anaerobic exercise

Short-term effects of exercise

Long-term effects of exercise