

# Year 10 – Revision List

## Assessment Window 1: Monday 14 November – Friday 2 December

In this assessment window you will take tests, under examination conditions, in your learning sessions. These tests will be used to work out a GCSE grade you are working at now and what we anticipate you will get at the end of Year 11. This will form a tracking report that goes home to your parents and carers. You will use this tracking report when applying for 6<sup>th</sup> forms, colleges and apprenticeships as evidence of your anticipated grades and effort, as well as your attendance.

To help you prepare for these tests, each subject has provided a revision list. You will take assessments in

- English
- Maths
- Science
- Option subjects, where relevant

Other subject areas will give you more revision material in session time as well as this revision list.

Please note ICT students are working on coursework. There will be a trial examination to assess the areas of strength and development for each student.

### How can you prepare for these assessments?

- Use your 40 minute daily tutor time wisely
- Revise for three subjects an evening, for 30 minutes each
- Use 'sam learning' to revise important topic areas
- Get your friends/parents to test you
- Write revision notes and key terms
- Create a revision map for each subject area

Good Luck

**Mrs C Robson**  
**Vice Principal**

## English

Topic/Skill	Activities/Websites that will help you ☺
Identifying and extracting information accurately <b>Q1</b>	Read news articles, blogs and journal entries and bullet point the main ideas. <a href="http://www.bbc.co.uk/news">http://www.bbc.co.uk/news</a> <a href="http://news.sky.com/">http://news.sky.com/</a> <a href="http://www.theguardian.com/uk">http://www.theguardian.com/uk</a>
Inferring information <b>Q1</b>	Read fiction and non-fiction texts and practise identifying the implicit (indirect) information. Use the BBC Bitesize website below to practise: <a href="http://www.bbc.co.uk/bitesize/standard/english/close_reading_exam/inference/revision/1/">http://www.bbc.co.uk/bitesize/standard/english/close_reading_exam/inference/revision/1/</a> <a href="http://www.theguardian.com/uk">http://www.theguardian.com/uk</a> <a href="http://www.independent.co.uk/voices/editorials">http://www.independent.co.uk/voices/editorials</a>
Analyse language/structure <b>Q1/2</b>	Read short stories and consider how the writer uses language and structure for effect. Pick out techniques and words from small sections of fiction texts. Look at whole texts and make notes on how the writer structures the text. You might find this website useful: <a href="http://www.bbc.co.uk/education/topics/zc6bcdm">http://www.bbc.co.uk/education/topics/zc6bcdm</a>
Respond to a text by evaluating the language, and writer's intentions.	Read short stories and consider how the writer uses language and structure for effect. Consider your opinions on the text – what do you think about the text, characters, writing and themes? You might find this website useful: <a href="http://www.bbc.co.uk/education/topics/zc6bcdm">http://www.bbc.co.uk/education/topics/zc6bcdm</a>

<b>Q4</b>	
<b>Writing Section</b> <b>Q5</b> <b>Write a descriptive or narrative piece</b>	Read fiction texts to gain knowledge of how writers' write. Use images of places and people to practise writing descriptions based on the image. You might find this website useful: <a href="http://www.bbc.co.uk/education/guides/zgj72hv/revision">http://www.bbc.co.uk/education/guides/zgj72hv/revision</a>

## Maths – Higher Tier

This list covers **one** non-calculator paper.

Topics	Resources
<ul style="list-style-type: none"><li>• Ordering Decimals</li><li>• Nth Term</li><li>• Standard Form</li><li>• Decimal Division</li><li>• Scatter Graphs</li><li>• Equivalent Fractions</li><li>• Area with Algebra</li><li>• Standard trig values</li><li>• Distance Time Graphs</li><li>• Simultaneous Equations</li><li>• Averages &amp; Spread</li><li>• Expanding Brackets &amp; Factorising</li><li>• Scale Calculations</li><li>• Similar Triangles</li><li>• Rotation &amp; Enlargement</li><li>• Changing the subject</li><li>• Area of parts of a circle</li><li>• Coordinate Problem Solving</li><li>• Volume change following length change</li><li>• Indices</li><li>• Expanding Brackets (Products)</li><li>• Surds</li><li>• Trig Graphs</li><li>• Probability with Algebra</li><li>• Vectors</li></ul>	<p><a href="http://corbettmaths.com/"><u>http://corbettmaths.com/</u></a></p> <p><a href="https://www.samlearning.com/"><u>https://www.samlearning.com/</u></a></p> <p><a href="#"><u>W:\Mathematics\Maths Watch\Key Stage 4\MathsWatch (for 2017 exams onwards)</u></a></p>

## Maths – Foundation Tier

This list covers **one** non-calculator paper.

Topics	Resources
<ul style="list-style-type: none"><li>• Fractions, Decimals &amp; Percentages</li><li>• Fractions of Amounts</li><li>• Bar Charts</li><li>• Probability</li><li>• BIDMAS</li><li>• Ordering Decimals</li><li>• Division</li><li>• Angle Rules</li><li>• Coordinates</li><li>• Triangle Types</li><li>• Indices &amp; Roots</li><li>• Solving Equations</li><li>• Money Logic</li><li>• Revenue from ticket sales</li><li>• Bearings</li><li>• Map Scale</li><li>• Ratio</li><li>• Percentage</li><li>• Translation</li><li>• Rotation</li><li>• Substitution</li><li>• Lowest Common Multiple</li><li>• Equivalent Fractions</li><li>• Scatter Graphs</li><li>• Area with Algebra</li><li>• Distance time Graphs</li><li>• Coordinate Problem Solving</li><li>• Angles in Parallel Lines</li><li>• Simultaneous Equations</li><li>• Finding lengths from Area</li></ul>	<p><a href="http://corbettmaths.com/">http://corbettmaths.com/</a></p> <p><a href="https://www.samlearning.com/">https://www.samlearning.com/</a></p> <p><a href="W:\Mathematics\Maths Watch\Key Stage 4\MathsWatch (for 2017 exams onwards)"><u>W:\Mathematics\Maths Watch\Key Stage 4\MathsWatch (for 2017 exams onwards)</u></a></p>

## Science

<b>Science Area</b>	<b>Assessment Topics</b>
Physics	<ul style="list-style-type: none"><li>✓ Vectors and Scalars</li><li>✓ Speed and distance time graphs</li><li>✓ Acceleration</li><li>✓ Acceleration due to gravity</li><li>✓ Velocity and time graphs</li></ul>
Chemistry	<ul style="list-style-type: none"><li>✓ States of matter</li><li>✓ Separating and purifying</li><li>✓ Atomic Structure</li><li>✓ The Periodic Table</li><li>✓ Ionic Bonding</li></ul>
Biology	<ul style="list-style-type: none"><li>✓ Microscopes</li><li>✓ Animal and Plant Cells</li><li>✓ Specialised Cells</li><li>✓ Bacteria</li><li>✓ Enzymes</li><li>✓ Food Groups</li></ul>

## Physical Education

Skeletal & Muscular System

Principles of Training

Methods of Training

Components of fitness

## History

Elizabeth I

Bess of Hardwick

Hardwick Hall

## Geography

Geographical Skills

Development

Rainforests

## Philosophy and Ethics

Hindu beliefs in Gods – Brahman, the Trimurti, avatars of Vishnu, other gods and goddesses

Choosing a marriage partner

Christina marriage ceremonies

Hindu marriage ceremonies

The nature of God:

- Christian concepts about God
- The Trinity

Jesus Christ:

- Historical Evidence about Jesus
- Bible stories about Jesus
- Just war theory
- Christian attitudes to War
- Christian attitudes to Soldiers



## Engineering

The assessment will be based on a retired Btec engineering Unit 1 exam and will be about general Engineering topics that are covered in the Unit 1 - The Engineering world specification.

I would advise to you revise and practice answering questions about:

- Identifying engineering processes
- Identifying engineering Sectors
- Health and safety requirements
- Scales of production
- Identifying material properties
- Automation in manufacturing
- Identifying engineering machinery
- Smart and new materials
- Lean manufacturing
- Scales of production

Good sources of information to use are found at:

- [www.focuselearning.co.uk](http://www.focuselearning.co.uk) (log in with user name - student@landauforte31299 and password - m2i8ehfyi) and use the resistant materials section.
- [www.technologystudent.com](http://www.technologystudent.com)

## Resistant Materials (Product Design) Assessment

### Section 1

The owner of a chain of 'Art Deco' inspired cafés has asked you to design a device for holding and carrying some or all of these items.

The device must display the menu and table number.

All your designs must clearly illustrate your understanding of the 'Art Deco' style.

- You will be expected to be able to write a list of design criteria (specification points) for the product.
- You will need to produce a range of creative ideas
- You will have to develop one of your chosen ideas
- Finally need to evaluate your design.

### Section 2

This section is about more general Resistant Materials topics and covers the rest of the syllabus.

I would advise to you revise and practice answering questions about:

- Plastic polymers, their properties and uses
- Explaining how to manufacture a product from marking out to finishing (using correct tool names and explaining how multiple copies of the product can be made consistently)
- Identifying materials and their sources
- Environmental impact of plastics
- Product analysis (including anthropometric data and ergonomics)
- Scales of production
- Electrical components and circuits

Good sources of information to use are found at:

- [www.focuselearning.co.uk](http://www.focuselearning.co.uk) (log in with user name - student@landauforte31299 and password - m2i8ehfyi) and use the resistant materials section.
- [www.technologystudent.com](http://www.technologystudent.com)

## Y10 Food preparation and nutrition

The exam paper is made up of number of short answer and long answer questions.

You will be expected to answer all questions on the paper.

Topics you need to revise are:

- Heat transfer methods in cooking
- Reasons for cooking food
- Vitamins and minerals
- Nutritional content of food
- Foods for special dietary needs and specific diets (e.g. hospital patients, young children, teenagers)
- Sensory appeal of food and how to make it appealing
- Protein content of food
- Eatwell guide
- Ways of using ingredients
- Analysing ingredients and their function in recipes

You have access to the dynamic learning software package (user name = school login, password = password)

You can also borrow a copy of the text book from Mr Bell or Miss Latham.

## Spanish

I can...

- Conjugate the two verbs '**to be**' in Spanish in the **present tense** (all persons)
- Write the **present tense forms** (all persons) of '**to have**' and '**to go**' in Spanish
- Conjugate **present tense regular verb forms**
- Conjugate the **two future tenses**
- Conjugate the **present tense forms** (all persons) of '**to have**' and '**to go**' in Spanish
- Conjugate **preterite regular verb forms**:
- Translate **opinions + infinitive/nouns**
- **Adjective endings**. Translate into Spanish:
- Understand the differences between **Ser vs Estar**
- Translate **key verbs and adjectives**
- Translate **high frequency** words

## **Business**

### **A292 Business and People Exam**

#### **Skills**

**1. Define / List:**

What does the word mean? Support your answer with a definition. What does this thing contain?

**2. Apply / Give Examples:**

Can you relate your answer to the case study or story?

**3. Analyse / Explain:**

Make a point, now say why this point is important to the people in the case study.

**4. Evaluate / Discuss / Recommend:**

Time to use the 4 paragraph layout.

Start off with the keyword definition and supporting example.

Move on to the good points and how this affects the case study.

Next it's time to discuss the drawbacks and how they affect the case study.

Finally it's the opinion paragraph where you make a recommendation and support it with evidence.

#### **The Need for Business Activity**

1. Entrepreneurship
2. Aims and Objectives
  - i. SMART Objectives
3. Aims and Objectives in different sectors
  - i. Private
  - ii. Public
  - iii. Voluntary
4. Stakeholders
  - i. Internal
  - ii. External
5. Sectors of Industry
  - i. Primary
  - ii. Secondary
  - iii. Tertiary
6. Functional Areas of Business

#### **Business Ownership, Growth and Location**

1. Unincorporated Businesses
  - i. Sole Trader
  - ii. Partnerships
  - iii. Unlimited Liability
2. Incorporated Businesses
  - i. LTD
  - ii. PLC
  - iii. Limited Liability
3. Franchises
  - i. Franchisor
  - ii. Franchisee

4. Co-operatives
5. Social Enterprise
6. Growth of a Business
7. Factors of Location
8. Government and Location
  - i. RDA

### **Employment and Retention**

1. Contracts of Employment
  - a. Permanent and temporary
  - b. Full time and part time
2. Job Description and Person Specifications
3. Job Applications
4. Shortlisting
5. Interviews
6. Training
  - a. On the job
  - b. Off the job
  - c. Induction
7. Employee Rights and Responsibilities
8. Remuneration
  - a. Bonus
  - b. Piece rate
  - c. Commission
  - d. Time rate
9. Payslips
10. Appraisal and Dismissal
11. Trade Unions