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**YEAR 10**

**ASSESSMENT BOOKLET**

**FEBRUARY 2017**

### Year 10 Assessment Days in February 2017

Walking Talking Mocks				
Date	Lesson	Time	Subject	Staffing
Mon 23 January	1	8.30 am	RE	In class
	3	11.00 am	English	In class
	5	2.00 pm	Science	In class
<b>All other subjects should hold WTM in class during this week</b>				

Walking Talking Mocks				
Date	Lesson	Time	Subject	Staffing
Wed 1 February	5	2.00 pm	History	FDO, SWI, JLO, in class
Thurs 2 February	2	9.30 am	Engineering (10C + 10B)	In class

Exams					
Day	Lesson	Time	Subject	Venue	Staffing
Mon 6 February	1	8.30 am	RE	Sports Hall	RE and Sports Staff
	2	9.30 am	<b>Option A</b> (Art students stay in class) Geography, History		PJH, PGD, FDO, JLO, SWI
	3	11.00 am	English		English Team
	5	2.00 pm	Science		Science Team
Tues 7 February	1	8.30 am	<b>Option C</b> (Product Design and Performing Arts practical in class)	Sports Hall	Option C teachers
	2	9.30 am	Maths		Maths Team
	3	11.00 am	<b>Option D</b> (Product Design practical in class)		Option A Teachers
	5	2.00 pm	<b>Option B</b>		English Team
Mon 27 February	5	2.00 pm	Geography flipped WTM	Assembly Hall	PGD, PJH
Thurs 2 March	4	12.00 noon	Engineering flipped WTM	Assembly Hall	MCO

Year 10 Option Blocks			
Option A	Option B	Option C	Option D
Geography History	French Spanish History Engineering H&SC	Sports Science Business Studies Art Food Product Design H&SC Performance Skills/Music	Triple Science Sports Science Business Studies Art Product Design Engineering Child Care



## Year 10 Maths Mock Preparation

You will have a calculator maths mock covering a wide range of topics. Some of these include:

Probability	Percentages	Indices
Bar charts	Angle rules	Frequency trees
Standard form	Ratio	Inequalities
Bearings	Volume	Transformations

Additional higher topics:

Trigonometry	Completing the square	Surds
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**Login details:**

OR415  
EVANSL (Surname & initial)  
EVANSL (Surname & initial)

**Available from Miss Evans:**

Revision guides £3

## Resources



**Login details:**

l.evans@osb.school (School email)  
orchard

Calculators £5



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## Year 10 Mock Preparation – English Literature

**When?**—Monday 6th February 11am

**How long?**—45 minutes

**Format?** - Choose one essay question from a choice of two  
**What will the questions be on?** - The essay questions will focus on either a **character** or a **theme** from the play.

**How many marks?** - 30 for the content of your essay and 4 for SPAG = 34 in total

**What am I marked on?** - use of quotes, analysis of writer's methods/effect on the audience (not the reader as this is a play!), links to key themes and context



**For the exam you need to know:**

- The plot of the play (what happens)
- The characters
- The key themes
- The context (set in 1912, written in 1945)
- The writer—J.B. Priestley
- QUOTES—try to learn 10 quotes which cover the key characters and themes of the play

**Useful revision resources:**

- BBC Bitesize— An Inspector Calls



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## Year 10 Science Mock Preparation

On 6 February, you will be sitting a Chemistry mock exam. This assessment will cover these topics:

Atomic Structure

Bonding

Nanoscience

Metals and Alloys

Revision tips:



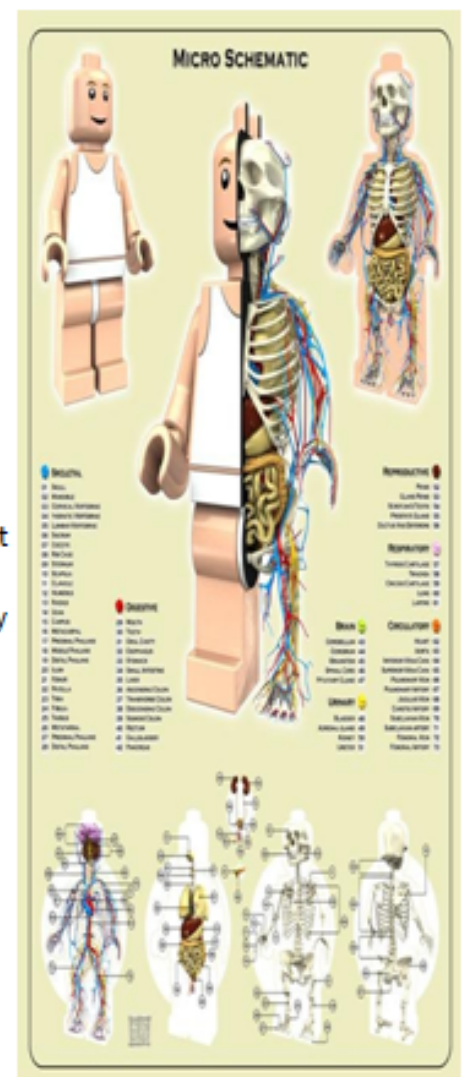
- Have a calm revision environment
- Drink lots of water and have snacks
- Revise in bitesize chunks
- Use youtube clips or quizzes on BBC bitesize
- Don't just read the information, process it by changing the format of the information. For example:
  - Use diagrams
  - Get tuneful-make a rhyme or a song
  - Use lots of colour
  - Ask somebody to test you
  - Create mind maps on one topic at a time
  - Make revision cards which summarise key points

Combined Science Revision Guides are now available to buy from school for £5.50. Your teacher will help you in deciding whether to buy the foundation or higher guide.



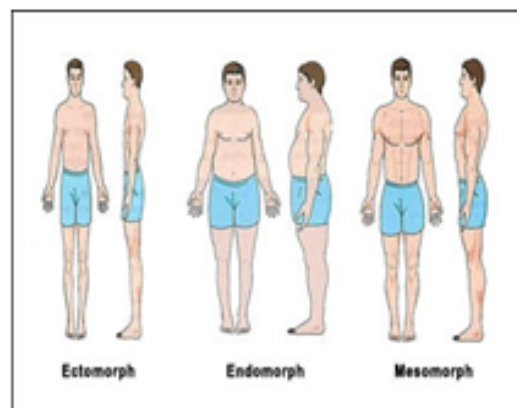
# Year 10 GCSE Sports Science February Mock Preparation PAPER 1

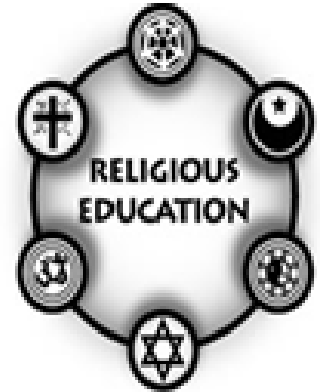
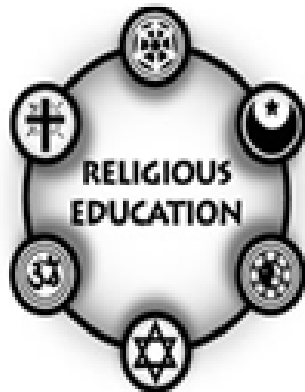
- Bones Identification of the bones at the following locations:
- Structure of the skeleton How the skeletal system provides a framework for movement (in conjunction with the muscular system):
- Functions of the skeleton
- Muscles of the body Identification of the following muscles within the body:
- Structure of a synovial joint Identification of the following structures of a synovial joint and how they help to prevent injury:
- Types of freely movable joints that allow different movements Identification of the types of joints with reference to the following:
- Understand that the following types of movement are linked to the appropriate joint type, which enables that movement to take place:
- How the major muscles and muscle groups of the body work antagonistically on the major joints of the skeleton to affect movement in physical activity at the major movable joints
- With reference to the shoulder, elbow, hip, knee and ankle joints:
- major muscle groups operating at these joints (see above)
- the action of prime movers (agonists)/ antagonists
- bones located at the joint (see above)
- how these muscle groups work isometrically and isotonic (concentric/eccentric).
- The difference between concentric and eccentric (isotonic) contractions.



## Year 10 GCSE Sports Science February Mock Preparation PAPER 2

- Linking participation in physical activity, exercise and sport to health, well-being and fitness, and how exercise can suit the varying needs of different people Reasons for participation in physical activity, exercise and sport, and how performance in physical activity/sport can increase health, wellbeing and fitness.
- Physical health and well-being:
- Mental health and well-being:
- Fitness:
- Possible consequences of a sedentary lifestyle:
- Obesity and how it may affect performance in physical activity and sport Definition of obesity. Obesity and how it may affect performance in physical activity and sport:
- Causes ill health (physical):
- Causes ill health (mental):
- Causes ill health (social):
- Somatotypes Definitions of the following body types:
- Energy use Energy is measured in calories (Kcal) and is obtained from the food we eat. The average adult male requires 2,500 Kcal/day and the average adult female requires 2,000 Kcal/ day but this is dependent upon:
- Nutrition – reasons for having balanced diet There is no single food that contains all the nutrients the body needs. A balanced diet contains lots of different types of food to provide the suitable nutrients, vitamins and minerals required. The reasons for a balanced diet:
- Nutrition – the role of carbohydrates, fat, protein and vitamins/minerals A balanced diet contains 55–60% carbohydrate, 25–30% fat, 15–20% protein.
- Reasons for maintaining water balance (hydration) Definition of dehydration.
- Dehydration results in:





## Year 10 RE Mock Preparation

### 1. What unit of work the exam will be based on in your subject?

- Crime and punishment - religious views

### 2. Suggested revision activities.

- Take exercise book home and learn meaning of key terms along with essay plan from walking talking mock undertaken in class. Focus on key teachings as well as religious similarities and differences.

### 3. Suggested websites, materials to refer to.

<http://www.bbc.co.uk/education/guides/zvs3d2p/revision>





## **Year 10 History Mock Preparation**

### **1. What unit of work the exam will be based on in your subject?**

- The Norman Conquest, life under the Normans and the Norman Church.

### **2. Suggested revision activities.**

- Take exercise book home and learn the work on the key topics which will be revealed in the walking talking mock on the 1<sup>st</sup> February. Make sure you can explain what happened in each event.

### **3. Suggested websites, materials to refer to.**

<http://www.bbc.co.uk/history/british/normans/>



## **Year 10 Geography Mock Preparation**

### **1. What unit of work the exam will be based on in your subject?**

- Living World Unit: distribution and characteristics of ecosystems, climate and soils of major ecosystems, plant adaptations, deforestation, protecting rainforests and challenges and development in hot deserts.

### **2. Suggested revision activities.**

- Complete the Living World booklet, summary questions from your revision guide and key words.

### **3. Suggested websites, materials to refer to.**

- AQA website – Geography GCSE Syllabus A.



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## Year 10 Engineering Mock Preparation

On **7 February**, you will be sitting an engineering mock exam. This assessment will cover these topics:

**Engineering Sectors & Products**  
**Scales of Production**  
**Machining Techniques**  
**Lean Manufacturing**  
**Renewable energy & non renewable energy**  
**CNC Machining**  
**Powder Metallurgy**



### Revision tips:

Have a calm revision environment  
Drink lots of water and have snacks  
Revise in small chunks

*Use YouTube clips, BBC bitesize  
and [technologystudent.com](http://technologystudent.com)*

### Revision Tips

Use diagrams  
Use lots of colour  
Ask somebody to test you  
Create mind maps on one topic at a time  
Make revision cards or notes which summarise  
key points  
Use your exercise books to revise



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## Year 10 GCSE Product Design Mock Preparation

### WHEN?

Class 10C will complete this exam on Tuesday 7 February period 1. Class 10D will complete the exam Wednesday 8<sup>th</sup> February period 3.

### WHAT?

The product design GCSE is broken down into four units:

- Design and model
- **The advanced innovation challenge (Practical design and make exam)**
- Make and Evaluate
- Influential designers: (written exam)

### WHERE?

As this is a practical exam it will be completed in L1 the DT workshop and design base.

### WHY?

The Year 10 mock exam will be based on the advanced innovation challenge. This is a practical exam, testing the student's creative design, problem solving and practical modeling skills. The real exam will be sat in June this year, (2017).

### HOW?

The theme for this exam will be **OUTDOOR EVENTS**.

### IN PREPARATION

Students need to collect images and information about products which could be used in an outdoor event. For example: Drinks bottles, shelters, seating and fast-food containers. Information collected might include: the materials used to make the products and the components used. This research can be taken into the exam with the student.

### DURING THE MOCK EXAM

Students will design and model a product based on this theme.



## **Child Development Year 10 Mock Preparation**

On 7 February you have a Mock Exam on the following topics.

Different Types of Play

Language development in play

Physical development in play

Intellectual and Cognitive development in play

Emotional and Social development in play

### **Revision tips and ideas.**

1. Use Revision cards to write key words and definitions – (Please see Miss Pettett for these)
2. Revise using mind maps, revision games and past mock papers.
3. Eat plenty of fruit and breaks.
4. Use GCSE Bite size Child Development for quizzes.
5. Use music to create a calm environment.
6. Purchase a GCSE Child development book for £2.00 – (Please see Miss Pettett)

This revision and test paper, will assist you when writing and evaluating your Child Case Study.

**Good luck**



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## Year 10 French Mock Preparation

On Tuesday 7th February, you will be sitting a reading mock exam. This assessment will cover the following topics:

**Topic 1.1** Relationships with family and friends

**Topic 1.2** Marriage / partnership

**Topic 1.3** Technology in everyday life

**Topic 1.4** Free time activities

**Topic 1.5** Shopping, fashion and trends

**Topic 1.6** Customs and festivals in French-speaking countries

**Topic 2.1** Home, town, neighbourhood and region

**Topic 2.2** The environment

### Revision tips:

- Have a calm revision environment.
- Drink lots of water and have snacks.
- Use your KS4 revision guide
- Revise one topic per day
- Identify cognates
- Remember key structures
- Understand conjugated verbs
- Identify a variety of tenses





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## Year 10 Spanish Mock Preparation

On Tuesday 7 February, you will be sitting a reading mock exam. This assessment will cover the following topics:

**Topic 1.1** Relationships with family and friends

**Topic 1.3** Technology in everyday life

**Topic 1.4** Free time activities

**Topic 2.5** Travel and tourism

**Topic 2.6** Poverty / Homelessness / Charity / Voluntary work

**Topic 3.1** My studies

**Topic 3.2** Life at school/college

**Topic 3.3** Education post-16

**Topic 3.4** Career choices and ambitions

Revision tips:

- Have a calm revision environment.
- Drink lots of water and have snacks.
- Use your KS4 revision guide.
- Revise one topic per day.
- Identify cognates.
- Remember key structures.
- Understand conjugated verbs.
- Identify a variety of tenses.
- Be prepared to answer questions in English and in Spanish.