



Year 9

**End of Year
Examinations**

Revision lists

English:

- You will be given an extract taken from *Of Mice and Men*. You must read the extract and then answer the question provided.
- In your answer you must make links to other parts of the novel.
- The exam will be closed book therefore you must learn quotes that can be used when making links.

MEEC+Link

M - Method from extract

E - Evidence from extract

E - Effect of chosen quote from extract (how does it answer the question and what is the effect on the reader? LANGUAGE ANALYSIS- connotations, alternative interpretations)

L - Make a link to another part of the novella (e.g. this is similar/different to earlier/later in the novella...) Provide evidence (Mini MEE)

C - Context linked to your point. Consider the writer's purpose.

You will need to revise key quotes/methods for character and theme.

Character:

George

Lennie

Curley's Wife

Curley

Crooks

Candy

Theme:

Loneliness

Dreams

Friendship

Injustice

Use the practice paper that your teacher will provide to help prepare for the exam.

Maths:

The brackets next to each topic contain the sections of the 3C textbook in which that topic can be found. This just gives you a broad overview of what is on the exam; you will need to look in the relevant textbook sections and your exercise book notes for more specific details.

Rounding and estimation - significant figures, upper and lower bounds (1a, 1b, 1c)

HCF and LCM (1d)

Decimal calculations (7b)

Indices and surds (3a, 3b, 11c, 11d)

Standard form (11a, 11b)

Using a calculator (7a, 7c, 7d)

Fractions, decimals and percentages (All of chapter 4)

Expressions and formulae - expanding double brackets, factorise, difference of 2 squares, prove identities, substitute into formulae, change the subject of formulae (3c, 3d, 3e, 3f, 3g, 3h)

Linear equations (10a)

Simultaneous equations (10b, 10c, 10d, 10e)

Inequalities (10f)

Measures - converting units, dimensions of formulae, pressure, density, speed (2a, 2b, 2d)

Angles (5a, 5b)

Circles (5c, 5d)

Transformations (9a, 9b, 9c)

Congruence and similarity (5e, 9e)

Pythagoras' Theorem (12a, 12b)

Trigonometry and bearings (14c, 14d, 14e)

3D shapes (14a, 14b)

Statistics (All of chapter 8)

Probability (All of chapter 16)

The following topics that were taught in years 7 and 8, but have not been taught yet in year 9 could also be tested:

Ratio and proportion

Biology:

You will be examined on everything you have learnt so far in year 9 towards your GCSE i.e Chapter 1-3. The entire subject content of your GCSE can be found in the exam specification: <http://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016-V1-0.PDF>

Below are the parts of the exam specification covered so far:

4.1.1 Cell structure

4.1.1.1 Eukaryotes and prokaryotes

Content

Plant and animal cells (eukaryotic cells) have a cell membrane, cytoplasm and genetic material enclosed in a nucleus.

Bacterial cells (prokaryotic cells) are much smaller in comparison. They have cytoplasm and a cell membrane surrounded by a cell wall. The genetic material is not enclosed in a nucleus. It is a single DNA loop and there may be one or more small rings of DNA called plasmids.

Students should be able to demonstrate an understanding of the scale and size of cells and be able to make order of magnitude calculations, including the use of standard form.

4.1.1.2 Animal and plant cells

Content

Students should be able to explain how the main sub-cellular structures, including the nucleus, cell membranes, mitochondria, chloroplasts in plant cells and plasmids in bacterial cells are related to their functions.

Most animal cells have the following parts:

- a nucleus
- cytoplasm
- a cell membrane
- mitochondria
- ribosomes.

In addition to the parts found in animal cells, plant cells often have:

- chloroplasts
- a permanent vacuole filled with cell sap.

Plant and algal cells also have a cell wall made of cellulose, which strengthens the cell.

Students should be able to use estimations and explain what they should be used to judge the relative size or area of sub-cellular structures.

Physics:

Format:

1hr paper - 60 marks (40 marks of short and long answer questions. 20 marks of multiple choice questions).

Topics covered:

- Ch. 1 - Conservation and Dissipation of Energy
- Ch. 2 - Energy Transfer by Heating
- Ch. 3 - Energy Resources

Equations that you need to recall:

$$E = Pt$$

$$W = Fs$$

$$E_k = \frac{1}{2}mv^2$$

$$E_p = mgh$$

$$\text{Efficiency} = \frac{\text{useful output}}{\text{total input}} (\times 100\%)$$

Equations that you are given:

$$\Delta E = mc\Delta\theta$$

$$E_e = \frac{1}{2}ke^2$$

Chemistry:

What you have studied so far in Year 9 is covered on GCSE paper 1.

For this examination, you will need a pen, sharp pencil, ruler and scientific calculator.

You will be provided with a periodic table.

You should revise the following topics carefully - use your textbook as a guide. For a comprehensive list of what you need to be able to do for each topic area, go to www.aqa.org.uk and download the Chemistry Specification - code 8462.

C1 - Atomic Structure

C2 - Periodic Table

C3 - Structure and Bonding

C9 - Crude oil and fuels

French:

Here is a list of topics and vocabulary which you will need to revise for your listening, reading and writing exams in French. Your reading and writing exams will be during exam week, your listening exam will be in your lesson after exam week. The page numbers refer to your Expo 3 text book. Please don't forget to use your own notes in your exercise book as well as websites such as Linguascope. The vocabulary list relates to the reading and listening exams:

WRITING, READING AND LISTENING:

- **Present tense:** p.15, p.133
- **Past tense:** p.15, p.22, pp.134-135
- **Imperfect tense:** p.60, p.62, pp. 135-136
- **Future tense:** p.13, p.15, p.23, p.40, pp.137-138
- **Conditional tense:** P.138
- **Free-time activities:** Expo 3 Module 1 (+ linguascope)
- **Opinions and reasons:** p.15, p.23, p.94
- **Health, illnesses and problems (now and in the past):** Expo 3 Module 3, p.58
- **Descriptions of people (now and in the past):** pp.60-61, p.78 (+ linguascope)
- **Sports:** p.59, p.78, p.95 (+ linguascope)
- **Connectives, qualifiers and time expressions:** pp.143-144
- **Jobs and future plans:** exercise books + Expo 3 Module 2

HERE IS SOME EXTRA VOCABULARY TO HELP YOU WITH THE READING/LISTENING EXAMS:

<u>FRENCH</u>	<u>ENGLISH</u>
Je m'entends avec	I get on with
Fournir	To provide
Avoir envie de	To want to
Un conseil	A piece of advice
Le soin	Care/treatment
Avoir tort	To be wrong
Un stage	A work experience
Grossir	To gain weight
Avoir besoin de	To need
Tout	Everything, all
Sauf	Except
Rencontrer	To meet
Propre	Clean / own (i.e., « my own »)
Avoir de la chance	To be lucky
Seul	Alone
Non seulement	Not only

Pâques	Easter
Même si	Even if
Se fâcher	To get cross/angry
Se mettre en colère	To get angry
Tousser	To cough

German:

What do we need to revise?

Everything we've done!

The Reading Exam

- 4 reading tasks - 3 answering questions in English, 1 gap fill

You need to revise:

- Jobs
- Festivals

The Grammar Exam

You need to revise :

- The present Tense including SEIN / HABEN / WERDEN !!
- The past tense (make sure you can conjugate haben and sein!) - change present tense sentences into past tense sentences
- The future tense (make sure you can conjugate werden!) - translate from English
- The imperfect tense (including common irregulars!) - gap fill
- The conditional tense - translate from English

The Writing Exam

Write an e-mail of about 80 to 90 words.

This consists of 4 bullet points on the topic of jobs/ future plans

- A part-time/ holiday job you've done
- What you like/ dislike learning in school and why
- Plans for the future
- What would your dream job be and why

You will need to use the present, past and future for a Level 5 and the conditional tense as well to achieve a Level 6. Of course using the imperfect tense and a wide range of quality structures makes a higher grade possible.

Spanish:

- Tenses (in ALL people of the verb)
- Present (including irregulars i.e.: SER, TENER, IR)
- Past Preterite (ie: fui, Hice, compré, comí)
- Past Imperfect (tenía, hacía, había, era, eran, estaba, estaban)
- Future (Voy a ir etc)
- Conditional (me gustaría, comería etc)

- Time Phrases
- All Vocab from Years 8 and 9 (On Quizlet or in Vocab books)
- Opinions (Including me aburre/le gusta etc)
- Adjectives
- Articles (un, el, los etc)
- Adjective agreement
- Numbers
- Comparatives
- Connectives

- Your reading exam will consist of mostly multiple choice questions as well as requiring you to write short responses in English. It will also include a translation into English.
- Your writing paper will consist of a translation into Spanish and a piece of extended writing that will require you to write in the Past, Present and Future Tenses.
- Your listening exam will take place in the lesson after half-term and will be multiple choice and brief answers in English.

History:

You need to make sure you have revised all of the following topics. You will need to use your exercise book. There are also books available in the library. If you have completed all of your class work and homework then you should find it easier to revise.

World War 1

1. Long Term Causes of World War 1
2. Short Term Causes of World War 1
3. Why did men join the Army in 1914?
4. Conditions in the Trenches

Slavery

1. How did the Trade Triangle work? (inc what was transported)
2. Why did Britain take part in the slave trade?
3. What were conditions like on the Middle Passage?
4. What was life like on the plantations?
5. How and why did slaves resist?
6. Why did Britain abolish the slave trade?
7. What was life like for African Americans after slavery ended?
8. Martin Luther King and the 1960s Civil Rights movement

Jack the Ripper

1. What were conditions like in London in the late nineteenth century?
2. How did these conditions help Jack the Ripper?
3. What do the murders tell us about the life of women and Jewish people in Victorian England?
4. Who was 'Jack the Ripper'?
5. What were the limitations of the Victorian Police Force and was Jack a 'social reformer'?
6. What was the Industrial Revolution?

Weimar Germany

1. What were the key issues in early Weimar Germany?
2. How successful were the Stresemann years?
3. What did the Nazi party stand for in the 1920s?
4. Was the Munich Putsch good or bad for the Nazis?
5. How did the Nazis change their tactics between 1924 and 1929?
6. Why did the Nazis succeed in elections?
7. How did Hitler become Chancellor in 1933? (inc Depression, actions of Hindenburg and von Papen and negative cohesion)

You will also be tested on your source skills

Can you also explain why a source might be reliable/unreliable?

You need to make sure you examine who has written/drawn the source and when it was written - would this make it trustworthy?

Is the person writing likely to be biased?

Was the person there at the time, does his job mean he would know what he is talking about?

Does the source state facts or does it exaggerate? Etc

The exam will consist of some short answer questions and some essay questions, mixed with source skill assessments.

Geography:

Students should prepare for questions on the following topics.

1. Plate Tectonics

- a. Earth structure and convection currents
- b. The distribution of tectonic plates
- c. Types of plate margins
- d. Management of tectonic hazards
- e. An example of an earthquake and tsunami
- f. An example of a Volcanic eruption

2. China

- a. Human and physical characteristics of China
- b. China as a global superpower
- c. Trade in China
- d. Rural to urban migration in China
- e. China's one child policy
- f. Environmental issues in China

3. Energy

- a. Types of Energy
- b. The Global demand for energy
- c. Nuclear Power
- d. The impacts of burning fossil fuels
- e. Renewable energy
- f. Causes, effects and solutions to global warming

4. Cold Environments

- a. Glacial Budgets
- b. Glacial Processes
- c. Erosional landforms
- d. Depositional landforms
- e. Human uses of glaciated areas
- f. Tourism in cold environments

RE:

1. The exam takes the form of **four** sections: i) 30 Multiple choice questions ii) AT2 Question iii) AT1 Question iv) Storyboard
2. The multiple choice questions must be answered on the grid that you will be provided with. You must shade in the box that corresponds with the correct answer. If you shade in more than one box your answer will be marked as incorrect. **Use a pencil and ensure you have an eraser with you.**
3. With the AT2 question you will be expected to explain an important element of your learning from the year. You must choose **one** question from the 3. Write your answer in the exam booklet. All answers must be in full sentences.
4. The AT1 evaluation question is designed to test whether you can reflect upon your learning. You must choose one question from the 3. You will be expected to write using paragraphs and support your answer with appropriate evidence and opinions.
5. The storyboard task will require you to draw a three frame storyboard that illustrates elements of your learning. The instructions will tell you what to do.
6. Make sure you revise your learning from this year (use your workbook and the library).
7. The main topics that you will be tested upon are:
8. **The beliefs and practices of the 6 major world faiths regarding death and the afterlife.**
9. **The Problem of Evil and how philosophy and religion responds to it.**
10. **Pay It Forward: How do religious people try to change the world? Especially Malcolm X, Ghandi, Martin Luther King.**
11. Make sure you read through the exam paper before you start. It is printed on both sides of each page. When you think you have finished make sure you check through your answers.

Business Studies & Economics:

The exam will be 1 hour. You will need your own calculator, pen, pencil, rubber and ruler.

Topics to revise are:

- **Types of Business**

1. Structures of business including sole trade, partnerships, public limited companies and private limited companies
2. Difference between unlimited and limited liability
3. Advantages and disadvantages of each structure type
4. Real life examples of each structure type

- **Public and Private Sectors**

1. Definitions of public and private sector and their differences
2. Objectives of each sector
3. Ownership structure of each sector

- **Costs, Revenue and Profit**

1. Differences between the types of costs a business may have
2. Calculating costs, revenue and profit

- **Breakeven Charts**

1. Calculate and draw a break-even chart

- **Methods of Production**

1. Explain of job, batch and flow production
2. Advantages and disadvantages of job, batch and flow production
3. Real-life examples of job, batch and flow production
4. Structure and examples of primary, secondary and tertiary sectors
5. Explaining why each sector has changed in the UK

- **The Economy (including inflation and interest rates)**

1. Explanation of the budget and different taxes
2. Differences between inflation and interest rates.
3. How interest rates may be used to influence inflation in the UK

- **Exchange Rates**

1. How to calculate an exchange rate
2. How exchange rates influence a company that either imports or exports.