

**Student Name:** \_\_\_\_\_**Class:** \_\_\_\_\_**Student ID:** \_\_\_\_\_**Date:** \_\_\_\_\_

## Assessment Details

<b>Duration:</b> 60 minutes	<b>Total Marks:</b> 100
<b>Topics Covered:</b>	<ul style="list-style-type: none"><li>• English</li><li>• Mathematics</li><li>• Science</li></ul>

## Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

**Question 1**

**[5 marks]**

Read the following passage and answer the questions that follow:

The sun was shining brightly in the clear blue sky. The birds were singing their sweet melodies, and the gentle breeze was blowing through the trees.

a) What is the main idea of the passage? [2 marks]

b) Identify the literary device used in the passage to describe the birds' singing. [1 mark]

c) What is the mood of the passage? [2 marks]

**Question 2**

**[10 marks]**

Write a short story about a character who learns a valuable lesson. [10 marks]



**Question 3**

**[5 marks]**

Solve the following equation:  $2x + 5 = 11$  [5 marks]

**Question 4**

**[10 marks]**

A bakery sells 250 loaves of bread per day. If they make a profit of £0.50 per loaf, how much profit do they make in a day? [10 marks]

**Question 5**

**[5 marks]**

What is the process called when plants make their own food? [5 marks]



**Question 6**

**[10 marks]**

Design an experiment to test the effect of pH on plant growth. [10 marks]



The marking guide and implementation guidelines for this assessment can be found on the following pages.



## Differentiation Options and Bloom's Taxonomy Alignment

The differentiation options and Bloom's Taxonomy alignment for this assessment can be found on the following pages.



The clear success criteria, evidence collection methods, and feedback opportunities for this assessment can be found on the following pages.





Section D: History [20 marks]

This section assesses the student's understanding of historical events and their ability to analyze and interpret historical data.

Question 7 [5 marks]

Describe the main causes of the Industrial Revolution in Britain. [5 marks]

Question 8 [10 marks]

Analyze the impact of the Industrial Revolution on the social and economic structures of Britain. [10 marks]

Section E: Geography [20 marks]

This section evaluates the student's knowledge of geographical concepts, including physical and human geography.

Question 9 [5 marks]

Explain the concept of plate tectonics and its role in shaping the Earth's surface. [5 marks]

Question 10 [10 marks]

Discuss the impact of human activities on the environment, including deforestation and pollution. [10 marks]

Section F: Critical Thinking [30 marks]

This section assesses the student's ability to think critically and solve problems.

Question 11

[10 marks]

Solve the following puzzle: A bat and a ball together cost £1.10. The bat costs £1.00 more than the ball. How much does the ball cost? [10 marks]

Question 12

[10 marks]

Analyze the following argument: "We should prioritize the development of renewable energy sources because they are more environmentally friendly." [10 marks]

Section G: Creativity [20 marks]

This section evaluates the student's ability to think creatively and express themselves through art or writing.

Question 13

[10 marks]

Write a short story about a character who discovers a hidden world. [10 marks]

Draw a picture of a futuristic city, including at least three innovative features. [10 marks]

## Conclusion

This assessment has evaluated the student's knowledge and skills in a range of subjects, including English, mathematics, science, history, geography, critical thinking, and creativity.

## Case Study

A student who scores highly in this assessment demonstrates a strong foundation in the core subjects and the ability to think critically and creatively.

## Appendix

This section includes additional resources and information to support the assessment.

Formulae and equations used in the assessment:

- Distance = speed × time
- Force = mass × acceleration

## Glossary

This section defines key terms used in the assessment.

Glossary of terms:

- Critical thinking: the ability to analyze and evaluate information
- Creativity: the ability to generate new and original ideas

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**Well done on completing your homework children!**