

# **KS4 Core Subjects Foundation-Accessible Starter Bundle**

[uklearninghub.com](https://uklearninghub.com)

35 original worksheets across English Language, English Literature, Combined Science, History, Geography, Computer Science and Business.

These are accessible GCSE-level skills sheets. English, History, Geography, Computer Science and Business are untiered; Combined Science activities target Foundation-accessible knowledge and application.

# EL01 Reading retrieval English Language

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Read: *Rain ticked against the bus window as Noor counted the empty seats. At the final stop, she stepped into a street shining with puddles.* Where is Noor?

\_\_\_\_\_

2. Give one detail showing the weather.

\_\_\_\_\_

3. What does "shining with puddles" suggest?

\_\_\_\_\_

\_\_\_\_\_

**Challenge - Write one inference about Noor with evidence.**

\_\_\_\_\_

\_\_\_\_\_

## EL02 Language analysis English Language

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What technique is used in "The wind clawed at the door"?

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2. What effect does the verb "clawed" create?

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3. Replace "went" with a precise verb: The crowd went into the stadium.

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**Challenge - Write one sentence that creates tension using personification.**

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## EL03 Comparison English Language

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Text A calls a park "a quiet refuge". Text B calls it "an untidy waste of space". What is the difference?

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2. Choose one quotation from each text that shows viewpoint.

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3. Write a comparative connective.

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**Challenge - Write a 3-sentence comparison using both quotations.**

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## EL04 Transactional writing English Language

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Choose a purpose: persuade, argue or advise a school about reducing litter.

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2. Write a rhetorical question.

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3. Give one fact or statistic you could include.

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**Challenge - Plan a clear opening, two main points and a conclusion.**

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# EL05 Creative writing English Language

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Write three sensory details for an abandoned station.

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2. Write a sentence with a short, dramatic fragment.

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3. Write a sentence using a semicolon.

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**Challenge - Write a 100-word opening that establishes setting and mood.**

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# LT01 Quotation analysis English Literature

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Read: "*The lamp guarded a small island of light.*" What technique is used?

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2. What could "island of light" suggest?

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3. Identify one word with positive connotations.

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**Challenge - Write a PEE paragraph about the quotation.**

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## LT02 Character and theme English Literature

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. A character hides a letter to protect a friend. Which themes might this explore?

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2. Write a quotation you would look for to support a theme.

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3. Explain why a character may make a morally difficult choice.

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**Challenge - Plan one analytical paragraph about a character's change.**

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## LT03 Poetry comparison English Literature

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Poem A describes a river as "restless"; Poem B describes it as "sleeping". Compare the moods.

---

2. Name a comparative connective.

---

3. What is personification?

---

**Challenge - Write a comparison paragraph using both quotations.**

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# LT04 Context with care English Literature

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is context in literature?

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2. How can context help explain a character's choices?

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3. What should not replace close language analysis?

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**Challenge - Write one sentence linking a contextual idea to a writer's method.**

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# LT05 Essay planning English Literature

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Write a thesis statement for the theme of power.

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2. List two moments from a set text you would use.

---

3. What should a conclusion do?

---

**Challenge - Plan three analytical paragraphs with a point for each.**

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# SC01 Cells and transport Combined Science Foundation

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Name the structure that controls a cell's activities.

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2. Name the structure where aerobic respiration occurs.

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3. What is diffusion?

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4. Give one factor that increases diffusion rate.

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**Challenge - Explain why villi are adapted for absorption.**

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## SC02 Chemistry basics Combined Science Foundation

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the pH of a neutral solution?

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2. Acid + alkali produces what two products?

---

3. What is an element?

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4. Balance:  $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$ .

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**Challenge - Name one observation when an acid reacts with a carbonate.**

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## SC03 Forces and energy Combined Science Foundation

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. State the unit of force.

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2. Calculate force when mass = 4 kg and acceleration = 3 m/s<sup>2</sup>.

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3. Name one non-renewable energy source.

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4. What does conservation of energy mean?

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**Challenge - A 60 W lamp is used for 3 hours. Calculate energy in Wh.**

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# SC04 Electricity Combined Science Foundation

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the unit of current?

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2. State the equation linking voltage, current and resistance.

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3. Calculate current if  $V = 12\text{ V}$  and  $R = 4\text{ ohms}$ .

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4. In a series circuit, what happens to current at each point?

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**Challenge - Why are homes wired in parallel?**

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# SC05 Ecology Combined Science Foundation

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is a producer?

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2. Name one greenhouse gas.

---

3. What is biodiversity?

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4. Give one cause of deforestation.

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**Challenge - Explain one effect of reduced biodiversity.**

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# HI01 Chronology and change History

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Put in chronological order: medieval, modern, early modern.

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2. What does continuity mean in history?

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3. What does change mean in history?

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**Challenge - Give one reason changes may happen slowly rather than suddenly.**

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# HI02 Sources History

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is provenance?

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2. A soldier writes home in 1916. Give one usefulness and one limitation.

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3. What must you use to support an inference?

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**Challenge - Write an inference using a short quotation from a source you know.**

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# HI03 Causation History

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is a long-term cause?

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2. What is a trigger?

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3. Why is it weak to say an event had only one cause?

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**Challenge - Make a causal chain for a topic you study.**

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# HI04 Consequence History

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is an intended consequence?

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2. What is an unintended consequence?

---

3. Why should historians consider short and long term?

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**Challenge - Explain one consequence of a topic you study using because/therefore.**

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# HI05 Interpretations History

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is an interpretation?

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2. Why may two historians disagree?

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3. What makes an evaluation convincing?

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**Challenge - Write a balanced judgement on a historical question you have studied.**

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# GE01 Physical processes Geography

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is weathering?

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2. Name one type of weathering.

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3. What is erosion?

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**Challenge - Explain how weathering can lead to mass movement.**

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## GE02 Urban and development Geography

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is urbanisation?

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2. Give one push factor for rural-urban migration.

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3. Give one pull factor.

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**Challenge - Explain one challenge of rapid urban growth.**

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## GE03 Data skills Geography

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Calculate range: 12, 18, 9, 21, 16.

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2. What does a positive correlation show?

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3. Why might a mean be misleading?

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**Challenge - Write one conclusion from a graph using data evidence.**

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# GE04 Fieldwork Geography

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is a hypothesis?

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2. Name one primary data collection method.

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3. Why repeat measurements?

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**Challenge - Evaluate one limitation of a fieldwork method and suggest an improvement.**

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## GE05 Decision making Geography

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is a stakeholder?

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2. Why consider environmental and economic factors?

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3. What does sustainability mean?

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**Challenge - Make a justified decision about a local development.**

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# CS01 Algorithms Computer Science

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is an algorithm?

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2. What is decomposition?

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3. What does selection mean in an algorithm?

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**Challenge - Write pseudocode that outputs "Pass" if mark  $\geq$  40, otherwise "Try again".**

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## CS02 Binary and data Computer Science

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Write decimal 13 in binary.

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2. How many bits are in a byte?

---

3. Why is binary used by computers?

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**Challenge - Convert binary 101101 to decimal.**

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# CS03 Hardware and software Computer Science

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Give one input device.

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2. Give one output device.

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3. What is an operating system?

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**Challenge - Explain why RAM is described as volatile.**

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# CS04 Networks and security Computer Science

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is a LAN?

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2. What does a router do?

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3. Name one method of cyber security.

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**Challenge - Explain how phishing tries to obtain data.**

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# CS05 Programming logic Computer Science

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What data type stores True or False?

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2. What is iteration?

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3. What is a syntax error?

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**Challenge - Write a loop that outputs numbers 1 to 5.**

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# BU01 Enterprise Business

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is an entrepreneur?

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2. Give one reason someone may start a business.

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3. What is a business aim?

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**Challenge - Explain one risk and one reward of starting a business.**

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## BU02 Marketing Business

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is a target market?

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2. Name one market research method.

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3. What is the marketing mix?

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**Challenge - Suggest one marketing-mix decision for a new reusable bottle.**

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## BU03 Finance Business

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Calculate revenue if 120 items sell for £8.

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2. Calculate profit if revenue is £960 and costs are £700.

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3. What is a fixed cost?

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**Challenge - A business has fixed costs £2,000 and makes £5 contribution per unit. Find break-even output.**

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# BU04 Operations Business

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is productivity?

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2. Give one benefit of training staff.

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3. What is quality control?

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**Challenge - Explain one advantage and one disadvantage of automation.**

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## BU05 Making judgements Business

KS4 accessible GCSE practice.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What does justify mean in a business answer?

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2. Why might a decision affect stakeholders differently?

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3. What should a conclusion do?

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**Challenge - Write a justified recommendation: lower price or improve quality?**

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