

Essential Skills Wales

Essential Application of Number Skills (EAoNS)

Level 2 Controlled Task

Assessor Pack

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| Staycation |
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Version 2.3

Sample (Set A)

Produced jointly by the four Essential Skills awarding bodies:

Agored Cymru
City & Guilds
Pearson
WJEC



Assessment requirements

The following is a summary of the Essential Skills Wales (ESW) Controlled Task Conditions. These requirements should be read in conjunction with the relevant **Controlled Task Candidate Pack**. General assessment guidelines applicable to all ESW assessments can be found in the **Essential Skills Wales Suite Qualification Handbook**.

Controlled task assessment

Controlled tasks are **summative assessments** measuring subject-specific skills. Candidates will need to show they can utilise these skills in a holistic manner, relevant to real-life circumstances. The assessment outcome is **pass/fail**.

Controlled tasks must be:

- internally assessed, by appropriately qualified staff, using the Marking Schemes provided. Please see section 2.2 of the **Qualification Handbook** for details of staff qualifications
- internally quality assured, by appropriately qualified staff
- externally quality assured/moderated by City & Guilds
- compliant with **Controlled Task Conditions**.

Controlled task conditions

This controlled task must be completed under the conditions set out below. 'Controlled' relates to all aspects of how the task is administered and assessed.

Candidates should only attempt this controlled task when they have been registered for this qualification and have developed the necessary skills at the required level. Learning development input should be completed before the candidate attempts this controlled task. This controlled task must normally be completed before the confirmatory test is attempted.

Working period

The candidate must complete this controlled task within an 8 week 'working period'. The working period commences on the date the candidate starts working on the task. The working period may be extended only in specific extenuating circumstances or if the academic term does not extend to 8 weeks. Please see section 4.6 of the **Qualification Handbook** for further information.

Working time

The candidate has up to **5 hours in total** to complete this controlled task. This task 'working time' allowance will formally start at the point when a task is first provided to the candidate. The task working time may be extended only in specific extenuating circumstances. Please see section 4.6 of the **Qualification Handbook** for further information.

Supervised conditions

This controlled task must be completed under the following supervised conditions:

- This task is an 'open book' assessment. Candidates may have access to routine resources that might be available in a 'real life' situation, for example: PCs/laptops, tablets, dictionaries, calculators, reference books, relevant class notes and source material approved by their tutor/assessor so long as they are not designed *specifically* to assist with this assessment and do not compromise independent

achievement of the standard. Mobile phones or other transmitting/receiving devices are not permitted. The candidate can access the Internet using supervised facilities.

- The environment within which tasks are completed must be supervised. This supervision must be **continuous** and ensure no interruption and/or undue influence is possible whilst candidates are working on the task. Suitable locations might include a classroom, a library or a workplace as long as an appropriate environment and supervision are maintained. For the avoidance of doubt, this environment does not require formal 'examination' conditions.
- The supervisor must be a reliable, responsible person who is accountable for ensuring adequate supervision and control of the environment are maintained. The supervisor must be present throughout the working time and be able to confirm that each candidate produced all work independently. The supervisor can be the candidate's tutor and/or assessor or another suitable person.
- This controlled task may be completed in one session or split over several sessions, as long as no learning or preparation is provided in between. If not completed in one sitting, the candidate's papers and all materials produced by the candidate must be collected in and stored securely until the next working time session begins. On no account may candidates take any of their work away with them between sessions, for example to work on a task at home.
- The working period and working time taken to complete this controlled task must be monitored and recorded as indicated on the front page of the **Candidate Pack**. The candidate, supervisor, assessor and centre details must be completed and the declarations must be signed and dated before completed tasks are submitted for assessment.

Assistance and access arrangements

Assessors may provide candidates with the opportunity to clarify task requirements during the working period; however this must not extend to any form of formative feedback. For example, recommending that a candidate should review their calculations would be inappropriate, whereas recommending the candidate re-read a particular section of the task requirements would be acceptable. Please see section 4.6 of the **Qualification Handbook** for further information on access arrangements.

Second and subsequent attempts

A specific controlled task can be attempted only once. However, a candidate may undertake a different controlled task, (either another title from the City & Guilds pre-approved bank or a centre devised assessment that has been approved by City & Guilds) at another time if they do not pass. Wherever the candidate is unsuccessful, they **must** undergo further development in the relevant skill(s) before re-attempting at a later date.

Collaboration

This controlled task requires the candidate to work individually.

Mark Scheme

Essential Application of Number Skills at Level 2

Task title: Staycation

| Part 1 (maximum 3 marks) | At least 1 mark for row A required to pass | |
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| The candidate has shown evidence of: | Mark scheme | Row |
| <p>planning and describing how to tackle the task (N2.1.1a)</p> | <p>2 marks: candidate produces a complete plan</p> <p>The plan must include: the information to be used from the source materials AND the calculations to be done AND how results for Part 2 and Part 3 will be presented</p> <p>The structure must be in the form of: e.g. a list, table or flow chart e.g. a spider diagram with arrows or numbers to show a logical sequence Accept a narrative plan with a clear structure to show a logical sequence.</p> <p>OR</p> <p>1 mark: candidate shows clear evidence of planning but with up to two errors or omissions e.g. a flow chart with one or two action points missing e.g. a complete spider diagram with no indication of the order in which action points are to be carried out e.g. a list of action points in order, with no indication of a specific method of presentation for one or both parts of the task Accept a complete narrative plan with limited structure or a well-structured plan with up to two errors or omissions.</p> <p>See an example of a suitable plan at the end of the mark scheme.</p> <p>Award 0 marks for a plan that is substantially copied from the Candidate Pack.</p> | <p>A</p> |

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| explaining choice of methods (N2.1.1c) | <p>1 mark: candidate shows evidence of explaining choice of at least one method</p> <p>e.g. I need to convert all the dimensions of the ramp to metres to work out the volume of the ramp in cubic metres.</p> <p>May be seen anywhere in the task.</p> | B |
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| Part 2 (maximum 12 marks) | | |
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| The candidate has shown evidence of: | Mark scheme | Row |
| <p>comparing sets of data within a suitable size, selecting and using the mean/median/mode as appropriate (N2.2j)</p> | <p>1 mark: candidate shows a correct process to calculate an average rent</p> <p>e.g. mean of non-wheelchair accessible cottages $(350+355+496+450+400+350+495+650+350+495+380+349+350+320) \div 14 (= 413.571\dots)$</p> <p>e.g. mean of wheelchair accessible cottages $(644+850+650+750+500+750+620+549+590) \div 9 (= 655.888\dots)$</p> <p>e.g. median of non-wheelchair accessible cottages 320, 349, 350, 350, 350, 350, 355, 380, 400, 450, 495, 495, 496, 650 or $(355 + 380) \div 2$</p> <p>e.g. median of wheelchair accessible cottages 500, 549, 590, 620, 644, 650, 750, 750, 850</p> <p>1 mark: correct answers</p> <p>e.g. (£)413.57 or (£)413.58 (non-wheelchair accessible cottages) AND (£)655.88 or (£)655.89 (wheelchair accessible cottages) for means</p> <p>e.g. (£) 367.50 (non-wheelchair accessible cottages) AND (£)644 (wheelchair accessible cottages) for medians</p> <p>Accept correct rounding to nearest 10p or to nearest whole pound.</p> | C |

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| <p>explaining methods used, and how / or if they meet the purpose (N2.3.2b)</p> | <p>1 mark: candidate makes at least one valid comment to compare the average rents for wheelchair accessible and non-wheelchair accessible cottages, and recommends a suitable weekly rent for the new cottage</p> <p>e.g. The mean weekly rent for wheelchair accessible cottages is more than £200 more than the average for non-wheelchair accessible cottages. I suggest a rent of £650 a week in low season for the new cottage (just less than the mean for wheelchair accessible cottages).</p> | <p>D</p> |
| <p>reading and understanding numbers presented in different ways (N2.1.2b)</p> <p>calculating efficiently using whole numbers, fractions, decimals and percentages (N2.2m)</p> | <p>1 mark: candidate shows a correct process to work out a mid-season or high season rent, based on their recommended rent for low season</p> <p>e.g. $650 + (650 \div 100 \times 23)$ (= £799.50 for mid-season)</p> <p>e.g. 650×1.28 (= £832 for high season)</p> <p>1 mark: correct answers</p> <p>e.g. (£)799.50 (for mid-season) AND (£)832 (for high season)</p> <p>Accept correct rounding to the nearest whole pound or nearest £10</p> <p>Accept correct use of their answer from row D.</p> | <p>E</p> |
| <p>reading, understanding and interpreting information from tables, charts, graphs and diagrams (N2.1.2a)</p> | <p>1 mark: candidate extracts correct information from the table in Source 3</p> <p>i.e. correct seasons for both weeks of the customer's stay, mid season for the week of 15 to 21 May and high season for the week of 22 to 28 May</p> | <p>F</p> |
| <p>reading, understanding and interpreting information from tables, charts, graphs and diagrams (N2.1.2a)</p> | <p>1 mark: candidate uses the table in Source 4 and the chart in Source 5 to select the correct weekly cost of electricity for the customer's stay</p> <p>i.e. (£)35</p> | <p>G</p> |

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| <p>carrying out calculations involving two or more steps, with numbers of any size, with and without a calculator (N2.2b)</p> | <p>1 mark: candidate shows a correct process to find the total cost of rent and electricity for the cottage, based on their rents for mid-season and high season, and their weekly cost of electricity (rent for 1 week in mid-season + rent for 1 week in high season + 2 × the weekly cost of electricity) e.g. $799.50 + 832 + [35 \times 2]$ (= £1701.50)</p> <p>1 mark: correct answer e.g. £1701.50</p> <p>Correct unit and money format required.</p> <p>Accept correct use of their answers from row E, row F and row G.</p> | <p>H</p> |
| <p>identifying and describing appropriate ways to present findings to different audiences including numerical, graphical and written formats (N2.3.1a)</p> <p>constructing complex tables, charts, graphs and diagrams and labelling with , titles, scales, axes and keys appropriate to purpose and audience (N2.3.1b)</p> <p>using two different ways to present findings effectively (N2.3.1c)</p> | <p>1 mark: candidate uses an appropriate method of presentation for their results e.g. complex table, diagram, line graph, comparative/component bar chart or pie chart. Award this mark if at least one appropriate complex method of presentation is used in either Part 2 OR Part 3.</p> <p>1 mark: candidate uses suitable title AND labels AND units</p> <p>1 mark: candidate populates table, chart, graph or diagram with correct data (± 2mm tolerance on hand drawn graph or chart)</p> | <p>J</p> |

| Part 3 (maximum 12 marks) | | |
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| The candidate has shown evidence of: | Mark scheme | Row |
| using proportions and calculating using ratios (N2.2h) | <p>1 mark: candidate shows a correct process to calculate the ratio of the slope of the proposed ramp e.g. $1500 \div 140 (= 1:10.714\dots)$</p> <p>1 mark: correct answer e.g. 1 : 10.7 Accept 1 : 11 Correct format for a ratio required.</p> <p>1 mark: correct length of a ramp that meets regulations e.g. $(140 \times 12 =)$ 1680 mm</p> <p>Accept a correct answer in metres or centimetres. Correct units required.</p> | K |
| recognising and using common 2-D representations of 3-D objects (N2.1.2f) | <p>1 mark: candidate shows a correct process to convert between units e.g. $1200 \div 1000 (= 1.2\text{m})$</p> | L |
| calculating within a system and between systems (N2.2f) | <p>1 mark: correct answers for all three dimensions of the ramp e.g. 1.2(m) (width) AND 0.14(m) (height) AND 1.5(m) or 1.68 (m) (length)</p> <p>Accept correct use of their answer from row K</p> | |
| understanding and using relevant formulae (N2.2i) | <p>1 mark: candidate shows a correct process to find a volume using their dimensions e.g. $(1.68 \times 1.2 \times 0.14) \div 2 (= 0.14112 \text{ m}^3)$ e.g. $(1.5 \times 1.2 \times 0.14) \div 2 (= 0.126 \text{ m}^3)$</p> <p>1 mark: candidate calculates correct solution e.g. $0.14112 \text{ (m}^3)$ e.g. $0.126 \text{ (m}^3)$</p> <p>Accept correct rounding to 2 dp or more.</p> <p>Accept correct use of their answer from row L.</p> | M |

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| <p>identifying and describing appropriate ways to present findings to different audiences including numerical, graphical and written formats (N2.3.1a)</p> <p>constructing complex tables, charts, graphs and diagrams and labelling with titles, scales, axes and keys appropriate to purpose and audience (N2.3.1b)</p> <p>using two different ways to present findings effectively (N2.3.1c)</p> | <p>1 mark: candidate uses an appropriate method of presentation for their results, using a different presentation method to the one used in Part 2 e.g. table, diagram, line graph, bar chart or pie chart</p> <p>1 mark: candidate uses suitable title AND labels AND units</p> <p>1 mark: candidate populates table, chart, graph or diagram with correct data (± 2 mm tolerance on hand drawn graph or chart)</p> | <p>N</p> |
| <p>identifying main points of findings, drawing conclusions, making comparisons and giving valid explanations (N2.3.2c)</p> | <p>1 mark: candidate makes at least one valid comment about the change required to the proposed ramp</p> <p>e.g. The ratio of the slope of the proposed ramp is 1 : 11. To be safe for wheelchair users, the ramp needs to be 180 mm longer than in the diagram. It will then have a slope of 1 : 12</p> | <p>P</p> |
| <p>identifying main points of findings, drawing conclusions, making comparisons and giving valid explanations (N2.3.2c)</p> | <p>1 mark: candidate makes at least one valid comment about the position of the ramp</p> <p>e.g. The ramp will be too long to go in the space next to the bedroom wall of the cottage, so it needs to be built next to the living room wall, where there is enough space for the full length.</p> | <p>Q</p> |

Example of a plan for rows A and B

Staycation Task Plan

Part 2

- Sort rents for accessible and non-accessible cottages (Source 1).
- Calculate mean rent for each type of cottage.
- Compare and comment on results.
- Recommend low season rent for new cottage, just below average for accessible cottages.
- Increase low season rent by 23% to calculate mid-season rent and by 28% for high season rent (Source 2).
- Find correct season for dates of customer's stay (Source 3).
- Find average temperature for May (Source 5) and cost of electricity for customer's stay (Source 4).
- Calculate total cost of rent and electricity for 2 weeks.
- Present results in a table.

Part 3

- Calculate height to length ratio of ramp (Source 7).
- Calculate new size for ramp to make a safe slope.
- Find width of ramp (Source 6).
I need to convert all the dimensions of the ramp to metres to work out the volume of the ramp in cubic metres.
- Calculate volume of ramp (formula in Source 8).
- Comment on new size for ramp and location of ramp.
- Show where ramp should be built on diagram.