Essential Skills Wales
Essential Application of Number Skills (EAoNS)
Level 3 Controlled Task
Assessor Pack

Raising Fitness Levels

Version **1.0**
Valid for use until

Candidate name:
Candidate number:
Date registered for EAoNS:
Unique Learner Number (ULN) *(if applicable)*:
Centre name *or* number:
Supervisor name:
Assessor name:
Internal Quality Assurer name:

Instructions
The candidate has up to **8 hours in total** to complete this controlled task, although that time can be split over a number of sessions. Details of when each session started and ended **must** be recorded on the candidate pack and a summary recorded below:

Date controlled task **started**:
Date controlled task **completed** *(no more than eight weeks later)*:
Total time spent:

Produced jointly by the four Essential Skills awarding bodies:
Agored Cymru
City & Guilds
Pearson
WJEC

1 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 qualification.
- internally quality assured, by appropriately qualified staff.
- externally quality assured/moderated by WJEC
- 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 4.3 of the ***Qualification Handbook*** for further information.

Working time

The candidate has up to **8 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 4.3 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 is 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 is 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 attempt

A specific controlled task can be attempted only once. However, a candidate may undertake a different controlled task, (either another title from the WJEC pre-approved bank or a centre devised assessment that has been approved by WJEC) 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.

2 Assessment Record

Essential Application of Number Skills at Level 3
Controlled Task Assessment Criteria
Task: Raising Fitness Levels

N3.1 Understand Numerical Data		
The candidate has shown evidence of:	**Mark scheme**	**Mark**
• planning how to tackle a problem by breaking it down into a series of tasks (N3.1.1b)	**1 mark:** candidate produces a plan with clear structure showing the problem broken down into a series of logical steps, e.g. list, spider chart, table, flow diagram	
	2 marks: candidate produces a detailed and relevant plan for all aspects of the task OR **1 mark:** candidate produces a detailed and relevant plan with one aspect omitted, e.g. plan with one key step missing	
• selecting and critically comparing relevant information (N3.1.1d)	**1 mark:** candidate shows evidence of selecting and critically comparing relevant information e.g. describes selection of relevant data from table or diagram, with an explanation of the reason for using the values chosen rather than others from the same source and other sources	
• choosing relevant methods (N3.1.1f)	**2 marks:** candidate justifies choice of methods, e.g. choice of plan format, data, calculation methods, presentation methods OR **1 mark:** candidate shows evidence of choice of methods with no justification	
• collecting, obtaining, selecting and recording relevant data and information from different sources (N3.1.2d)	**2 marks:** candidate shows evidence of correctly collecting, obtaining, selecting and recording relevant data and information from **at least two** of tables, charts, graphs or diagrams e.g. obtaining information from a table of data	

• use at least one large data set of a size appropriate to a planned activity, and use this to meet the purpose of the activity (N3.1.2e) • grouping data into classes of width appropriate to the data (N3.1.2g)	e.g. using correct values from scale diagrams **May be seen anywhere in the task** OR **1 mark:** candidate shows evidence of correctly collecting, obtaining, selecting and recording relevant data and information from **one** of tables, charts, graphs or diagrams **May be seen anywhere in the task.**	
	1 mark: candidate selects relevant information from the large data set in a way that suits their purpose e.g. candidate selects the relevant values appropriate to task **May be seen anywhere in the task.**	
	2 marks: candidate correctly groups all relevant data into classes appropriate to the data **May be seen anywhere in the task.** OR **1 mark:** candidate groups relevant data into classes appropriate to the data with no more than two errors or omissions **May be seen anywhere in the task.**	
maximum 11 marks		

N3.2 Carry Out Calculations		
The candidate has shown evidence of:	**Mark scheme**	**Mark**
• carrying out at least one calculation **without** using a calculator (N3.2)	**1 mark:** candidate shows evidence of correct calculation without using a calculator	
• Rearranging and using formulae, equations and expressions (N3.2o)	**1 mark:** candidate shows correct process to rearrange and use formula e.g. $h = \frac{E(220 - a)}{100}$ e.g. $h = \frac{50(220 - 45)}{100}$ (= 87.5 bpm) **1 mark:** correct answer for target heart rate calculation e.g. for a 45 year old at 50% intensity level 87.5 (bpm) Accept answer rounded to 88 (bpm)	
• comparing distributions using measures of average and interquartile range and estimating mean, median and range of grouped data (N3.2n)	**1 mark:** candidate begins correct process to find an average e.g. correct fx value seen for each class e.g. for median/IQR, correct cumulative frequencies **1 mark:** candidate uses complete correct process to find an average e.g. correct Σfx value seen Females in the north region. Average (mean) BMI = (26.8+23.7+24.2+25.0+26.5+25.2+24.0+26.3+23.6+27.0) ÷ 10 e.g. complete correct method for finding a median/IQR of grouped data. Females in the north region. Average (median) BMI = (25.0 +25.2) ÷ 2 **1 mark:** correct answer for average e.g. Females in the north region	

	Average (mean) BMI = 25.23 e.g. Females in the north region Average (median) BMI = 25.1	
• estimate, measure and compare dimension and quantities (N3.2i)	**1 mark:** candidate uses correct process to carry out a conversion using their values e.g. 2280 (cm) ÷ 100= 22.8 (m) **May be seen anywhere in the task.**	
• working out actual dimensions from scale drawings and scaling quantities up and down (N3.2l)	1 mark: candidate uses correct process to work out at least one dimension consistent with their printed copy e.g. northern location, actual length of longer side: 15.2 × 150 (= 2280 cm) 1 mark: correct answer for at least two dimensions e.g. northern location: (15.2 × 150 =) 2280 (cm) and (4.3 × 150 =) 645 (cm)	
• solving problems involving irregular 2D shapes (N3.2k)	**1 mark:** candidate uses correct process to find the maximum number of 'Step' users that will fit in a room. Process must show use of scale dimensions e.g. in the northern location: (22.8 x 6.45 + 2.1 x 7.05) ÷ 15 (= 10.791) **1 mark:** correct answer for the number of 'Step' users that will fit in a room e.g. for the northern location accept: 10 (users)	

• carrying out multi-stage calculations efficiently with numbers of any size (N3.2b)	**1 mark:** candidate uses correct process to calculate the percentage change in heart rate Percentage change = $\frac{\text{Change in heart rate (bpm)} \times 100}{\text{Resting heart rate (bpm)}}$ e.g. Pilates: $\frac{(89-60) \times 100}{60}$ **1 mark:** correct answer for percentage change in heart rate e.g. Pilates: Change in heart rate = 48.3 % Accept correct rounding to the nearest whole percentage	
• using estimation and other checking procedures to identify and correct errors in methods, calculations and results (N3.2p)	**1 mark:** candidate uses a valid checking method for at least one of their calculations, e.g. estimations, reverse calculation or alternate method	
maximum 14 marks		

N3.3 Interpret and Present Results and Findings		
The candidate has shown evidence of:	**Mark Scheme**	**Mark**
• justifying choices of methods of presentation (N3.3.1c)	**1 mark:** candidate justifies the choices of their methods to present their results	
• selecting and using appropriate methods to effectively present and illustrate findings, showing trends and making comparisons, including numerical, graphical and written formats (N3.3.1b) • constructing complex tables, charts, graphs and diagrams and label with titles, scales, axes and keys appropriate to purpose and audience (N3.3.2a)	**1 mark:** candidate produces an efficient complex table with at least two columns and four rows OR a suitable graph or chart with title, axis labels and key **1 mark:** candidate uses suitable row and column labels with units, OR suitable continuous linear scale on a graph or chart **1 mark:** candidate populates each cell with correct data OR correct plots for all the data (± 2 mm tolerance for plots on hand drawn chart or graph)	
• selecting and using appropriate methods to effectively present and illustrate findings, showing trends and making comparisons, including numerical, graphical and written formats (N3.3.1b) • constructing complex tables, charts, graphs and diagrams and label with titles, scales, axes and keys appropriate to purpose and audience (N3.3.2a)	**1 mark**: candidate produces an alternative way to present data e.g. efficient complex table with at least two columns and four rows OR a suitable graph or chart with title, axis labels and key **1 mark:** candidate uses suitable row and column labels with units, OR suitable continuous linear scale on a graph or chart **1 mark:** candidate populates each cell with correct data	

	OR correct plots for all the data (± 2mm tolerance for plots on hand drawn chart or graph)	
• justifying methods used, highlighting main points of findings and explaining how far their results meet the purpose (N3.3.2c) • drawing appropriate conclusions based on findings including how possible sources of error might have affected results (N3.3.2d)	**1 mark:** candidate justifies the methods they use **1 mark:** candidate comments on their choice of target group with reason based on calculations **1 mark:** candidate comments on their choice of appropriate activity for target group with reason based on calculations **1 mark:** candidate makes at least one appropriate comment explaining how possible sources of error might have affected results	
maximum 11 marks		

To achieve a pass, a candidate must gain at least:

- 8 marks out of 11 on N3.1
- 10 marks out of 14 on N3.2
- 8 marks out of 11 on N3.3

Marks achieved			
N3.1 **/11**	**N3.2** **/14**		**N3.3** **/11**

Assessment feedback to candidate:

Please tick as applicable:

☐ The candidate has met the minimum requirements indicated above and has successfully completed these assessments.

☐ The candidate was unsuccessful on this occasion.

Assessor name:	Assessor signature:	Date:
IQA name:	IQA signature *(if sampled)*:	Date:

The declarations on the final page of the candidate's pack must also be completed, even if the candidate was unsuccessful.