

ESW Application of Number

Level 1 - 4

Activity Record Sheets

ESW APPLICATION OF NUMBER - LEVEL 1

ACTIVITY RECORD SHEET

Candidate Name:		Course:	
Assessor Name:		Date:	
Activity:			
Purpose/ audience:			

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N1.1 - Understand Numerical Data</p> <p>N1.1.1 Understand and describe at least one given practical problem or task that involves a range of numerical data and information</p> <p>N1.1.2 Agreement with an appropriate person how you will tackle it</p> <p>N1.1.3 Obtain relevant numerical data and information from <u>at least two sources</u> to meet the purpose of your task</p> <ul style="list-style-type: none"> Sources must include <u>at least one</u> of a table, chart, graph or diagram Source 1 Source 2 Source 3 (if necessary) Candidate is clear about how the data/information obtained meets the purpose of the task (handwritten or electronic notes) Copies of source data included Details of the site/s of observation/ measurement Records of data/information obtained 			

ESW APPLICATION OF NUMBER - LEVEL 1

ACTIVITY RECORD SHEET

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N1.2 – Carry out calculations</p> <p>N1.2.1 Use appropriate methods to get the results you need and <u>describe</u> the methods you have used</p> <p>N1.2.2 Use the data and information you have obtained to carry out calculations relevant to your task to do with:</p> <p>a) Amounts or sizes b) Scales or proportion c) Handling statistics</p> <p>Candidate has used data from 1.1 and is clear about the purpose and relevance of calculations</p> <p>Candidate has checked their methods and calculations and also checked that the results make sense (handwritten or electronic notes)</p>			
<p>N1.3 – Interpret results and present findings</p> <p>N1.3.1 Correctly present your findings using charts, graphs or diagrams</p> <p>Candidate <u>chose</u> how to present findings using:</p> <ul style="list-style-type: none"> • Chart and diagram • Graph and diagram <p>When candidate has used ICT, evidence shows that alternative checks have been carried out and explained.</p> <p>N1.3.2 Describe what your results tell you and how they meet the purpose of your task</p> <p>(notes produced by hand or electronically)</p>			

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I confirm that the details above are correct and that the evidence in the portfolio is the candidate's own work. The candidate has met all the evidence requirements.

Candidate Signature:		Date:	
Assessor Signature:		Date:	
Internal Verifier: Signature:		Date:	

ESW APPLICATION OF NUMBER - LEVEL 2

ACTIVITY RECORD SHEET

Candidate Name:		Course:	
Assessor Name:		Date:	
Activity:			
Purpose/ audience:			

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N2.1 - Understand Numerical Data</p> <p>N2.1.1 Help to identify and describe at least one practical problem or task that involves a range of numerical data and information</p> <p>N2.1.2 Confirm with an appropriate person how you plan to tackle it including:</p> <ul style="list-style-type: none"> Produced a plan illustrating how to obtain relevant data along with a clear sequence of necessary tasks <p>N2.1.3 Collect relevant numerical data and information from a range of sources to meet the purpose of your task</p> <p>Sources must include <u>at least two</u> of a table, chart, graph or diagram</p> <ul style="list-style-type: none"> Source 1 Source 2 Source 3 <p>Candidate is clear about how the data/information obtained meets the purpose of the task (handwritten or electronic notes)</p> <ul style="list-style-type: none"> Copies of source data included Details of the site/s of observation/measurement Records of data/information obtained 			

ESW APPLICATION OF NUMBER - LEVEL 2

ACTIVITY RECORD SHEET

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N2.2 – Carry out calculations</p> <p>N2.2.1 Use appropriate methods to get the results you need and <u>explain</u> the methods you have used</p> <p>N2.2.2 Use the data and information you have obtained to carry out calculations relevant to your task to do with:</p> <p>a) Amounts or sizes b) Scales or proportion c) Handling statistics d) Using formulae</p> <ul style="list-style-type: none"> • Candidate is clear about the purpose and relevance of calculations, has checked their methods and calculations and also checked that the results make sense (handwritten or electronic notes) • Included a comparison of data sets 			
<p>N2.3 – Interpret results and present findings</p> <p>N2.3.1 Select two different ways to present results appropriate to audience using:</p> <ul style="list-style-type: none"> • Charts or graphs and • Tables or diagrams • Explained why these are appropriate to audience <p>N2.3.2 Effectively presented and explained methods and findings</p> <ul style="list-style-type: none"> • Described and explained what the results of calculations mean in relation to the problem/tasks, emphasising the key points in a way that is appropriate to audience. • (notes produced by hand or electronically) • When candidate has used ICT, evidence shows that alternative checks have been carried out and explained 			

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ACTIVITY RECORD SHEET

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Assessor Signature:		Date:	
Internal Verifier: Signature:		Date:	

ESW APPLICATION OF NUMBER - LEVEL 3

ACTIVITY RECORD SHEET

Candidate Name:		Course:	
Assessor Name:		Date:	
Activity:			
Purpose/ audience:			

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N3.1 - Understand Numerical Data</p> <p>N3.1.1 Independently identify, analyse and accurately describe at least one practical problem or task that involves a range of numerical data and information</p> <p>N3.1.2 Plan how you will tackle it</p> <p>Candidate has produced a plan with details of how they intend to obtain relevant data and information along with a clear sequence of tasks showing how they intend to use this information.</p> <p>N3.1.3 Collect relevant numerical data and information from <u>a range of sources</u> to meet the purpose of your task</p> <p>Sources has must include <u>at least two</u> of a table, chart, graph or diagram (<u>of which one must be complex</u>), and a large data set.</p> <ul style="list-style-type: none"> • Source 1 • Source 2 • Source 3 <p>Evidence shows how the candidate collected and grouped relevant data, explained how they used the data/information and how it meets the purpose of their task.</p> <p>Copies of source data included Details of the site/s of observation/ measurement Records of data/information obtained</p>			

ESW APPLICATION OF NUMBER - LEVEL 3

ACTIVITY RECORD SHEET

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N3.2 – Carry out calculations</p> <p>N3.2.1 Candidate has independently chosen and used appropriate methods to get the results needed Explained why these methods are appropriate</p> <p>N3.2.2 Candidate has grouped and used the data and information from N3.2.1 and is clear about the purpose and relevance of calculations, including multi-stage.</p> <p>a) Amounts or sizes b) Scales or proportion c) Handling statistics d) Using formulae</p> <p>Candidate has: shown methods and levels of accuracy checked their methods and calculations checked that the results make sense (handwritten or electronic notes) When candidate has used ICT, evidence shows that alternative checks have been carried out and explained.</p>			
<p>N3.3 – Interpret results and present findings</p> <p>N3.3.1 Select and justify two different ways to present your results, using charts or graphs, and tables or diagrams appropriate to your audience</p> <p>Explained and justified why these ways are appropriate to their audience (notes produced by hand or electronically)</p> <p>N3.3.2 Effectively presented, explained and justified methods and findings and justify and explain how they meet the purpose of your task and are appropriate to your audience.</p> <p>Candidate has responded constructively to given feedback.</p>			

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Internal Verifier: Signature:		Date:	

ESW APPLICATION OF NUMBER LEVEL 4

ACTIVITY RECORD SHEET

Candidate Name:		Course:	
Assessor Name:		Date:	
Activity:			
Purpose/ audience:			

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N4.1 - Developing a Strategy</p> <p>N4.1.1 Develop a strategy for using number skills over an extended period of time</p> <ul style="list-style-type: none"> • Written evidence of planning • Record of oral evidence <p>May include entries in:</p> <ul style="list-style-type: none"> • a personal development plan • progress file or • project proposal <p>included:</p> <ul style="list-style-type: none"> • reasons for the choice of methods • annotated references of sources used for researching information 			
<p>N4.2 – Monitoring Progress</p> <p>N4.2.1 Monitor your progress and adapt your strategy, as necessary, to achieve the quality of outcomes in work</p> <ul style="list-style-type: none"> • deductive and inferential reasoning • algebraic modelling • Reflective accounts on progress of the work and of feedback obtained <p>and/or</p> <ul style="list-style-type: none"> • Written notes of discussions with appropriate persons, supported by witness statements • Description of choices made, reasons for these and judgements of their effectiveness 			

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ACTIVITY RECORD SHEET

Evidence required	✓	Portfolio Ref	Assessor Comments
<p>N4.3 – Presenting outcomes and evaluating strategy</p> <p>N4.3.1 Present the outcomes of your work</p> <ul style="list-style-type: none"> • Candidate has presented evidence in written format, oral presentation or a combination of these • Record of Oral Presentation/Witness Testimony • Preparatory Notes <p>N4.3.2 Evaluate the effectiveness of your strategy and identify ways to further develop your number skills</p> <ul style="list-style-type: none"> • Written evaluative account • Record of Discussion with appropriate person. 			

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ESW APPLICATION OF NUMBER LEVEL 4

PRESENTING OUTCOMES - RECORD OF OBSERVATION

Candidate Name:		Assessor:		Date:	
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Details of Strategy:	
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You must show that you can	✓	Assessor Comments
<p>N4.3.1 Present the outcomes of your work in a written format, or in an oral presentation or in a combination of these. When presented orally you:</p> <ul style="list-style-type: none"> • Must include preparatory notes for the presentation • Interpreted results and identified the main findings, using evidence to support conclusions • Structured the presentation well and effectively used charts, graphs and diagrams • Used appropriate verbal techniques • Explained results in relation to work and hypotheses • Ensured audience remained engaged and responsive 	✓	

Supporting evidence *(please indicate with ✓)*

Preparatory Notes		Video Clip		Peer Assessment		Self-assessment/Evaluation	
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Candidate Signature:		Date:	
Assessor Signature:		Date:	
Internal Verifier Signature:		Date:	