# wjec cbac

# **GCSE MARKING SCHEME**

**SUMMER 2018** 

GCSE (NEW) GEOGRAPHY - UNIT 3 NEA 3110U30-1

#### INTRODUCTION

This marking scheme was used by WJEC for the 2018 examination. It was finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conference was held shortly after the paper was taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conference was to ensure that the marking scheme was interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conference, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about this marking scheme.

### WJEC GCSE Geography Summer 2018 Mark Scheme - Unit 3 NEA

#### Instructions for examiners of GCSE Geography when applying the marking scheme

#### 1. Positive marking

It should be remembered that learners are writing under examination conditions and credit should be given for what the learner writes, rather than adopting the approach of penalising him/her for any omissions. It should be possible for a very good response to achieve full marks and a very poor one to achieve zero marks. Marks should not be deducted for a less than perfect answer if it satisfies the criteria of the mark scheme.

GCSE Geography marking schemes are presented in a common format as shown below:

Г

This box contains the sub-question.			The columns to the right indicate the assessment objective(s) targeted by the question and its mark tariff.						
3 (a) (i) Describe the location of	the island of	Lefkada.		A01.1	A01.2	AO2	AO3	SPAG	Total
Credit up to <b>two</b> valid statements based on map evidence. Credit accurate use of compass points max 1. Credit accurate use of scale line max 1. This box contains the rationale it explains the principles that mu be applied when marking each sub-question. The examiner mu apply this rationale when apply the marking scheme to the response.	Sea (1) no 275km (+/- 280km (+/- (1) Thi- res st ng illus wor exa rea indi	conses for p stions, those cate the on re open ence strate a num thy. It may miner's cor d. For band cative conte	alonia (1) thens (1)	dates narki ed qu hat is tions respo st will actu actu	s' exp ng. F uesti acc this onse l be al so this tails	For s on, t box s that exte cripts box see	some this b able. will at are ndeo s hav a con	e sub box v For e cre d at t ve be tains	vill dit he en

Low tariff questions should be marked using a points-based system. Each credit worthy response should be ticked in red pen. The number of ticks **must** equal the mark awarded for the subquestion. The mark scheme should be applied precisely using the expected outcomes box as a guide to the responses that are acceptable. Do **not** use crosses to indicate answers that are incorrect. If the candidate has not attempted the question then the examiner should strike through the available dotted lines with a diagonal line.

#### 3. Banded mark schemes

Banded mark schemes are divided so that each band has a relevant descriptor. The descriptor for the band provides a description of the performance level for that band. Each band contains a range of marks. Examiners should first read and annotate a learner's answer to pick out the evidence that is being assessed in that question. **Do not use ticks** on the candidate's response. Once the annotation is complete, the mark scheme can be applied. This is done as a two stage process.

#### Stage 1 - Deciding on the band

When deciding on a band, the answer should be viewed holistically. Beginning at the lowest band, examiners should look at the learner's answer and check whether it matches the descriptor for that band. Examiners should look at the descriptor for that band and see if it matches the qualities shown in the learner's answer. If the descriptor at the lowest band is satisfied, examiners should move up to the next band and repeat this process for each band until the descriptor matches the answer.

If an answer covers different aspects of different bands within the mark scheme, a 'best fit' approach should be adopted to decide on the band and then the learner's response should be used to decide on the mark within the band. For instance if a response is mainly in band 2 but with a limited amount of band 3 content, the answer would be placed in band 2, but the mark awarded would be close to the top of band 2 as a result of the band 3 content.

Examiners should not seek to mark candidates down as a result of small omissions in minor areas of an answer.

#### Stage 2 – Deciding on the mark

Once the band has been decided, examiners can then assign a mark. During standardising (marking conference), detailed advice from the Principal Examiner on the qualities of each mark band will be given. Examiners will then receive examples of answers in each mark band that have been awarded a mark by the Principal Examiner. Examiners should mark the examples and compare their marks with those of the Principal Examiner.

When marking, examiners can use these examples to decide whether a learner's response is of a superior, inferior or comparable standard to the example. Examiners are reminded of the need to revisit the answer as they apply the mark scheme in order to confirm that the band and the mark allocated is appropriate to the response provided.

Indicative content is also provided for banded mark schemes. Indicative content is not exhaustive, and any other valid points must be credited. In order to reach the highest bands of the mark scheme a learner need not cover all of the points mentioned in the indicative content but must meet the requirements of the highest mark band. Where a response is not creditworthy, that is contains nothing of any significance to the mark scheme, or where no response has been provided, no marks should be awarded.

#### 4. Assessing Writing

The quality of writing is assessed through two separate strands:

- (i) Communicating and organising
- (ii) Writing accurately
- (i) **Communicating and organising** is assessed in items that have a tariff of 6, 8 or 10. These responses should be viewed holistically when deciding on a mark band (see stage 1 above). The definitions below clarify what is meant by the terminology in these descriptors.

**Meaning**: to have clarity the text must be legible. The meaning of statements should be clear and not require re-reading to make sense.

**Purpose**: the response should take into account what is required by the question. For example, evaluation requires consideration of pros/cons or the justification of a decision may be assisted by arguments. A suitable tone is adopted for reporting on scientific investigation in Unit 3.

**Structure**: well-planned responses have an overall structure with use of paragraphs to indicate portions of the response such as introduction, main arguments and conclusion. Chains of reasoning provide a logical structure within paragraphs. Signposting links sections together and is used to assist the reader.

(ii) Writing accurately takes into account the candidate's use of specialist language. It also takes into account the accuracy of the candidate's spelling, punctuation and grammar. This assessment is restricted to specific items (one item in each unit). The descriptors for writing accurately are printed in the mark scheme for each relevant item. In applying these descriptors learners may only receive marks for responses that are in the context of the demands of the question; that is, where learners have made a genuine attempt to answer the question.

## UNIT 3 MARK SCHEME

#### **SECTION A**

same place. Explain why you need to take measurements of flows more than once.						A03	Accuracy	Total						
				4				4						
he lowes ncorrect	t band. Av	below, working upwards from ward 0 marks if the answer is irrelevant.	Specific reasons for measuring flows more than once: - flows vary from place to place e.g. across a											
Band	Marks	Descriptor	shopping centre or across	a rive	er cha	innel;								
2	3-4	The response provides a clear explanation of one or more <b>specific</b> reason(s) that show understanding of variation in flows.	<ul> <li>flows vary at different times of a day / week e.g in response to weather;</li> <li>some flows fluctuate over short periods of time e.g. wind speeds or traffic. Taking further measurements, then taking a mean will take</li> </ul>						in response to weather; - some flows fluctuate over short periods					-
1	1-2	Simple statements that give <b>general</b> reason(s) with little (or no) elaboration.	account of these variations General reasons for more	ariations in flow.										
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.	include: - to obtain more data to improve validity											
		and 2 that offer only one reason in depth so long as it is specific to	<ul> <li>to overcome the danger of suitability of the method t question.</li> </ul>	of 'cha	ance'	readi	-	d						

y Io	our invest	strengths and weaknesses of yo		A01.2	AO2	AO3	Accuracy	Totol
					6			
			Systematic Sampling			1	1	
Band	Marks	Descriptor	Strengths: Quicker, easier					
3	5-6	The response identifies <b>specific</b> strength(s) <b>and</b> weakness(es)of a sampling technique that is suitable for measuring flows. Meaning is clear. The response has purpose, is	carry out than random sam accurate because avoids th the random sample selects from one part of the distribu- Accurately reflects continu- variables e.g. velocity acro- speed in dune transect.	too m too m ution uous c	iote p iany e hang	oossik exam jes in	oility t ples	ha
		organised and well structured.	<ul> <li>Weaknesses: Can inadvertently pick up bias, e.g. sampling every 50m may also coincide with main crossing points for pedestrians         <ul> <li>access at regular intervals along a river to measure flows may be impossible due to private land ownership / dangerous steep river banks.</li> </ul> </li> <li>Opportunistic Sampling         <ul> <li>Strengths: Allows access to river sites that are sa or on public land.</li> <li>less time consuming / easiest method to use.</li> <li>Weaknesses: Data is unlikely to accurately represent the population.</li> </ul> </li> </ul>					
2	3-4	The response identifies some <b>relevant</b> strength(s) and/or weakness(es) with reference to flows. Meaning is generally clear. The response is structured.						ł
1	1-2	Simple statements based on general comments about strength(s) and / or weakness(es) which may not be specific to flows. Meaning may lack clarity in parts. Statements are linked by a basic structure.						Strengths: Allows access to river sites that are or on public land. - less time consuming / easiest method to use. Weaknesses: Data is unlikely to accurately
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.	arks if the answer selection process of sites to measure fl					
eferring	to an actu	e satisfied that the candidate is al fieldwork experience of award level 2 or 3.	<ul><li>chain stores.</li><li>Weaknesses: If sample size might obtain an unrepreser</li></ul>	ze is q	uite s	mall		
o not cr	edit namir	ng the technique.	Stratified Sampling Strengths: Ensures all are represented. For example, ensure that traffic flows are of different types of road O	stratif meas R it wo	ied sa sured ould e	ampli on a ensur	ng wo varie e win	ou ety d

and in troughs.

speed measurements were taken on dune ridges

**Weaknesses:** Difficult to know exactly which subsets of data you want to include without a pilot

- Access to specific sites along a river to measure

study or prior use of secondary data

Do not credit name of sampling technique

flows may be a problem.

• •	valuate th ows.	ne use of secondary data when investigat	A01.2	AO2	AO3	Accuracy	Total			
					6			6		
lowest ba wholly irre	ind. Award elevant.	s below, working upwards from the d 0 marks if the answer is incorrect or	Evaluation must include specific reference to secondary data used to support an investigation of flows.							
Band	Marks	Descriptor	Specific strengths	mav	inclu	ıde:				
3	5-6	The response provides clear and detailed evaluation of <b>specific</b> strength(s) and weakness(es) of using secondary data when investigating flows. (balance is not required).	<ul> <li>Specific strengths may include:</li> <li>Secondary data on river discharge (source from a named website) could be compare to primary data to help analyse the impact of antecedent weather conditions on flow the river. Such data has a number of advantages:</li> <li>the websites publish scientific research allow reliable conclusions to be drawn</li> <li>they remove the safety risk of entering a river when it is in flood.</li> <li>Secondary data about footfall outside may shops is available on the google search engine. This shows flows at different time</li> </ul>					ed ct		
		Meaning is clear. The response has purpose, is organised and well structured.								
2	3-4	The response provides some evaluation of <b>relevant</b> strength(s) and/or weakness(es) of secondary data with reference to flows.						-		
		Meaning is generally clear. The response is structured.	of day and for differe	ent da	ays of	f the v	week			
1	1-2	Simple statements based on <b>general</b> comments about strength(s) and / or weakness(es) of secondary data which may not be specific to flows. Meaning may lack clarity in parts.	<ul> <li>These can be compared with primary of to analyse patterns and trends. However the google data has significant disadvantages – it has no scale and is available for selected locations.</li> </ul>					<b>΄</b> ,		
		Statements are linked by a basic structure.	Expect references to OS maps and Maps.				Goo	gle		
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.	General strengths	mav	inclu	de:				
			- saves time and mo	-						
			- accessibility of data	•	intern	et				
			- allows comparison locations	s witł	n mar	ny oth	ner			
			General weakness	es m	ay in	clude	<b>)</b> :			
			- inappropriateness field locations	- not	direc	tly lir	nked t	to		
			- data may be unreli	able	or ou	t of da	ate.			

# End of Section A

# SECTION B

• • D	Draw a t Draw on in your t	ne data from your portfolio. Table in your answer booklet to show the data the graph or map of your choice to represent t able accurately. The trend or pattern shown by your graph or ma	A01.2	A02	A03	Accuracy	Total	
						1 0		1
	ard 0 mark	below, working upwards from the lowest s if the answer is incorrect or wholly	The <b>table</b> need Units need to be communicated.			imn h	eadi	ngs
Band	Marks	Descriptor						
		Data is clearly recorded in a table.	Examiners shou					
		The response uses one suitable and effective, accurate and complete cartographic or graphical technique to represent the data.	appropriateness completeness a technique:					
4	9-10	The trend or pattern is described in detail with clear reference to the data.	Suitable and effective -S For example, discrete data should be graphed using a bar chart whereas a line graph is appropriate for continuor					
		Meaning is unambiguous. The response has clear purpose, is fluent and logically structured.						а
		Data is clearly recorded in a table.	data.	cated	har	s or fl	ow li	n۵
3	6-8	The response uses one suitable, accurate and largely complete cartographic or graphical technique to represent data. The trend or pattern is described in some detail with some reference to the	For example, located bars or flow lir maps might each be appropriate for showing number of pedestrians in different parts of a town but the flow lines are more effective because the show vector as well as magnitude. Accurate - A Have values in the table been represented accurately in the graph/map using a scale or axis that				r v	
		data. Meaning is clear. The response has purpose, is organised and well structured.					ət	
2	3-5	Data may be recorded in a table. The response uses a suitable cartographic of graphical technique which has some accuracy and is largely complete. The trend or pattern is described with limited reference to the data. Meaning is generally clear. The response is structured.	graph/map using a scale or axis that can be accurately read? <b>Complete - C</b> Title, label; values have been added that maps have scale lines, north arrows and legends.					
		Some data may be recorded in a table. The response shows one cartographic or graphical technique though this lacks accuracy and / or completeness.						
1	1-2	Some valid statements are made about the map/graph/table. Meaning may lack clarity in parts. Statements are linked by a basic structure.						
		Maximum band 1 with no graph/map.						
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.						

c S fi	oncept of Select up t	ne techniques you used to present data cycles and flows. to 3 different tables, graphs or maps from portfolio to support your answer and incl lix.	m your	A01.2	A02	A03	Accuracy	Total	
	nd. Awar	s below, working upwards from the d 0 marks if the answer is incorrect or <b>Descriptor</b>		examp a <b>ps:</b> E flow p	oles ar ffectiv attern:	e give e way s over	n belo of space	w:	
4	7-8	The response provides a clear and detailed evaluation of the effectiveness of different data presentation techniques. It considers <b>specific</b> strength(s) <b>and</b> weakness(es) (balance is not required in terms of number or specificity). Meaning is unambiguous. The response has clear purpose, is fluent and logically structured.	direction. Diff the scale for lines especia large. <b>Located bars</b> representing comparisons show directio located symb data on the b	senting flow patterns over space se it shows magnitude and on. Difficult to construct and rea ale for proportional arrows/flow especially where range of values ed bars: Effective way of senting absolute values and mal arisons across space. Bars do n direction of flow. The position of d symbol may obscure importar on the base map. Located bars r					
3	5-6	The response provides a clear evaluation of different data presentation techniques. It considers some <b>relevant</b> strength(s) and weakness(es) (balance is not required). Meaning is clear. The response has purpose, is organised and well structured.	begin in one area of the map an another creating confusion for the <b>Bar charts:</b> Simple to construct Effective for showing discrete da as traffic flows and for making comparisons, especially if bars a arranged in rank order. Bars do direction of flow. Difficult to repre- that covers a very large range.					ide rea ich hoù da	
2	3-4	The response provides an evaluation of different data presentation techniques. The depth of evaluation varies across the techniques. Meaning is generally clear. The response is structured.	read. Effectiv data such as Can be difficu values are lan is relatively su required.	<b>ohs:</b> Simple to construct and ctive for showing continuous as wind speeds or discharge fficult to construct and read if a large and the variation in da ly small and accuracy is					
1	1-2	The response provides a limited evaluation of one or more data presentation techniques. Meaning may lack clarity in parts. Statements are linked by a basic structure.	Scatter graphs: Visually effective representing the relationships (correlations) in bivariate data whe variable is dependent on the other as wind speed and altitude. Difficu determine whether relationships an positive or negative if the scatter p are not close to a line of best fit or						
ne table	0 s/mans/g	Award 0 marks if the answer is incorrect or wholly irrelevant. raphs from the portfolio included in the	axis is signific strength of a	not close to a line of best fit or if ea is significantly different in length. ngth of a suspected correlation car neasured without use of a statistica					
opendix elp the e	MUST N	OT be assessed. It can be used to visualize the techniques that are	test.	with			ທີ່ສາເວັດໃ	,ai	

					6			4	1				
west ba holly irre <b>Band</b>	nd. Awaro elevant. Marks	s below, working upwards from the d 0 marks if the answer is incorrect or <b>Descriptor</b>		understanding o cycles/flows. Re on the context. F	estion assesses the candidates' anding of the concept of lows. Responses will vary dependin context. For example, candidates								
3	5-6	Accurate and elaborated conclusion(s) are developed which demonstrate clear understanding of cycles and / or flows. Selection of supporting primary and / or secondary evidence is purposeful and well considered. Meaning is clear. The response has purpose, is organised and well structured.	<ul> <li>who have worked in the context of a rively should show understanding of the water cycle and the factors that affect river discharge such as geology, land use, antecedent weather or river management</li> <li>Responses should offer a conclusion w</li> <li>Considers the evidence (primary or secondary)</li> <li>Draws this together to reach a decision</li> </ul>						nt. nicł				
2	3-4	Elaborated conclusion(s) demonstrate understanding of cycles and / or flows. Selection of supporting primary and / or secondary evidence is useful		<ul> <li>Draws this together to reach a decision about whether the aims of the enquiry we met, for example, the extent to which the fieldwork confirmed reasons why cycles flows changed over-time or varied across space. For example:         <ul> <li>number of pedestrians or cars are ling to times of day and also over longer periods of time to different planning</li> </ul> </li> </ul>									
1	1-2	Simple statements demonstrate limited understanding of cycles and / or flows. Selection of supporting primary and / or secondary evidence is limited or lacks purpose. Meaning may lack clarity in parts. Statements are linked by a basic structure.	<ul> <li>decisions about retail location or transport routes.</li> <li>changes in river flow linked to char weather and in response to change management strategies.</li> </ul>										
	0	Award 0 marks if the answer is incorrect or wholly irrelevant.											

After awarding a level and mark for the geographical response, apply the performance descriptors for writing accurately on the following page. Having decided on a band, award a second mark (out of 4).

In applying these indicators, learners may only receive marks for responses that are in the context of the demands of the question; that is, where learners have made a genuine attempt to answer the question.

Band	Marks	Performance descriptions
High	4	<ul> <li>Learners spell and punctuate with consistent accuracy</li> <li>Learners use rules of grammar with effective control of meaning overall</li> <li>Learners use a wide range of specialist terms as appropriate</li> </ul>
Intermediate	2-3	<ul> <li>Learners spell and punctuate with considerable accuracy</li> <li>Learners use rules of grammar with general control of meaning overall</li> <li>Learners use a good range of specialist terms as appropriate</li> </ul>
Threshold	1	<ul> <li>Learners spell and punctuate with reasonable accuracy</li> <li>Learners use rules of grammar with some control of meaning and any errors do not significantly hinder meaning overall</li> <li>Learners use a limited range of specialist terms as appropriate</li> </ul>
	0	<ul> <li>The learner writes nothing</li> <li>The learner's response does not relate to the question</li> <li>The learner's achievement in writing accurately does not reach the threshold performance level, for example errors in spelling, punctuation and grammar severely hinder meaning</li> </ul>

End of Section B

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