

# Higher

**GCSE** 

**Biology B Twenty First Century Science** 

J257/01: Breadth in Biology (Foundation Tier)

General Certificate of Secondary Education

Mark Scheme for June 2023

OCR (Oxford Cambridge and RSA) is a leading UK awarding body, providing a wide range of qualifications to meet the needs of candidates of all ages and abilities. OCR qualifications include AS/A Levels, Diplomas, GCSEs, Cambridge Nationals, Cambridge Technicals, Functional Skills, Key Skills, Entry Level qualifications, NVQs and vocational qualifications in areas such as IT, business, languages, teaching/training, administration and secretarial skills.

It is also responsible for developing new specifications to meet national requirements and the needs of students and teachers. OCR is a not-for-profit organisation; any surplus made is invested back into the establishment to help towards the development of qualifications and support, which keep pace with the changing needs of today's society.

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

© OCR 2023

#### **MARKING INSTRUCTIONS**

#### PREPARATION FOR MARKING

#### RM ASSESSOR

- 1. Make sure that you have accessed and completed the relevant training packages for on-screen marking: RM Assessor Online Training; OCR Essential Guide to Marking.
- 2. Make sure that you have read and understood the mark scheme and the question paper for this unit. These are available in RM Assessor.
- 3. Log-in to RM Assessor and mark the **required number** of practice responses ("scripts") and the **required number** of standardisation responses.

#### **MARKING**

- 1. Mark strictly to the mark scheme.
- 2. Marks awarded must relate directly to the marking criteria.
- 3. The schedule of dates is very important. It is essential that you meet the RM Assessor 50% and 100% (traditional 50% Batch 1 and 100% Batch 2) deadlines. If you experience problems, you must contact your Team Leader (Supervisor) without delay.
- 4. If you are in any doubt about applying the mark scheme, consult your Team Leader by telephone, email or via the RM Assessor messaging system.

## 5. Crossed Out Responses

Where a candidate has crossed out a response and provided a clear alternative then the crossed out response is not marked. Where no alternative response has been provided, examiners may give candidates the benefit of the doubt and mark the crossed out response where legible.

#### **Rubric Error Responses - Optional Questions**

Where candidates have a choice of question across a whole paper or a whole section and have provided more answers than required, then all responses are marked and the highest mark allowable within the rubric is given. Enter a mark for each question answered into RM assessor, which will select the highest mark from those awarded. (The underlying assumption is that the candidate has penalised themselves by attempting more questions than necessary in the time allowed.)

## **Multiple Choice Question Responses**

When a multiple choice question has only a single, correct response and a candidate provides two responses (even if one of these responses is correct), then no mark should be awarded (as it is not possible to determine which was the first response selected by the candidate). When a question requires candidates to select more than one option/multiple options, then local marking arrangements need to ensure consistency of approach.

## **Contradictory Responses**

When a candidate provides contradictory responses, then no mark should be awarded, even if one of the answers is correct.

## **Short Answer Questions** (requiring only a list by way of a response, usually worth only **one mark per response**)

Where candidates are required to provide a set number of short answer responses then only the set number of responses should be marked. The response space should be marked from left to right on each line and then line by line until the required number of responses have been considered. The remaining responses should not then be marked. Examiners will have to apply judgement as to whether a 'second response' on a line is a development of the 'first response', rather than a separate, discrete response. (The underlying assumption is that the candidate is attempting to hedge their bets and therefore getting undue benefit rather than engaging with the question and giving the most relevant/correct responses.)

## **Short Answer Questions** (requiring a more developed response, worth **two or more marks**)

If the candidates are required to provide a description of, say, three items or factors and four items or factors are provided, then mark on a similar basis – that is downwards (as it is unlikely in this situation that a candidate will provide more than one response in each section of the response space.)

### **Longer Answer Questions** (requiring a developed response)

Where candidates have provided two (or more) responses to a medium or high tariff question which only required a single (developed) response and not crossed out the first response, then only the first response should be marked. Examiners will need to apply professional judgement as to whether the second (or a subsequent) response is a 'new start' or simply a poorly expressed continuation of the first response.

6. Always check the pages (and additional objects if present) at the end of the response in case any answers have been continued there. If the candidate has continued an answer there then add a tick to confirm that the work has been seen.

- 7. Award No Response (NR) if:
  - there is nothing written in the answer space.

#### Award Zero '0' if:

• anything is written in the answer space and is not worthy of credit (this includes text and symbols).

Team Leaders must confirm the correct use of the NR button with their markers before live marking commences and should check this when reviewing scripts.

- 8. The RM Assessor **comments box** is used by your Team Leader to explain the marking of the practice responses. Please refer to these comments when checking your practice responses. **Do not use the comments box for any other reason.** 
  - If you have any questions or comments for your Team Leader, use the phone, the RM Assessor messaging system, or email.
- 9. Assistant Examiners will send a brief report on the performance of candidates to their Team Leader (Supervisor) via email by the end of the marking period. The report should contain notes on particular strengths displayed as well as common errors or weaknesses. Constructive criticism of the question paper/mark scheme is also appreciated.

10. For answers marked by levels of response:

Read through the whole answer from start to finish, using the Level descriptors to help you decide whether it is a strong or weak answer. The indicative scientific content in the Guidance column indicates the expected parameters for candidates' answers, but be prepared to recognise and credit unexpected approaches where they show relevance. Using a 'best-fit' approach based on the skills and science content evidenced within the answer, first decide which set of level descriptors, Level 1, Level 2 or Level 3, best describes the overall quality of the answer.

Once the level is located, award the higher or lower mark:

The higher mark should be awarded where the level descriptor has been evidenced and all aspects of the communication statement (in italics) have been met.

The lower mark should be awarded where the level descriptor has been evidenced but aspects of the communication statement (in italics) are missing.

In summary:

The skills and science content determines the level.

The communication statement determines the mark within a level.

## 11. Annotations available in RM Assessor

Annotation	Meaning
<b>✓</b>	Correct response
X	Incorrect response
^	Omission mark
BOD	Benefit of doubt given
CON	Contradiction
RE	Rounding error
SF	Error in number of significant figures
ECF	Error carried forward
L1	Level 1
L2	Level 2
L3	Level 3
NBOD	Benefit of doubt not given
SEEN	Noted but no credit given
I	Ignore

12. Abbreviations, annotations and conventions used in the detailed Mark Scheme (to include abbreviations and subject-specific conventions).

Annotation	Meaning
1	alternative and acceptable answers for the same marking point
<b>√</b>	Separates marking points
DO NOT ALLOW	Answers which are not worthy of credit
IGNORE	Statements which are irrelevant
ALLOW	Answers that can be accepted
()	Words which are not essential to gain credit
_	Underlined words must be present in answer to score a mark
ECF	Error carried forward
AW	Alternative wording
ORA	Or reverse argument

## 13. Subject-specific Marking Instructions

## **INTRODUCTION**

Your first task as an Examiner is to become thoroughly familiar with the material on which the examination depends. This material includes:

- the specification, especially the assessment objectives
- the question paper
- the mark scheme.

You should ensure that you have copies of these materials.

You should ensure also that you are familiar with the administrative procedures related to the marking process. These are set out in the OCR booklet **Instructions for Examiners**. If you are examining for the first time, please read carefully **Appendix 5 Introduction to Script Marking: Notes for New Examiners**.

Please ask for help or guidance whenever you need it. Your first point of contact is your Team Leader.

The breakdown of Assessment Objectives for GCSE (9-1) in Biology:

anding of scientific ideas and scientific techniques and procedures.  ding of scientific ideas.  ding of scientific techniques and procedures.  of scientific ideas and scientific enquiry, techniques and procedures.  scientific ideas.
ding of scientific techniques and procedures.  of scientific ideas and scientific enquiry, techniques and procedures.  scientific ideas.
of scientific ideas and scientific enquiry, techniques and procedures.
scientific ideas.
pointific anguiry techniques and precedures
scientific enquiry, techniques and procedures.
erpret and evaluate, make judgements and draw conclusions and develop and improve
et and evaluate.
et.
ite.
judgements and draw conclusions.
judgements.
conclusions.
p and improve experimental procedures.
p experimental procedures.
ve experimental procedures.

Question	Answer	Marks	AO element		Guidance
1 (a)	Nucleotide, gene, chromosome, nucleus, cell	4	1.1	Award one mar nucleotide befo gene before ch chromosome be nucleus before	re gene romosome efore nucleus
(b)	Tiger and cat have the same number of chromosomes  But a tiger is larger than a cat ORA   OR  Rat and panda have the same number of chromosomes  But rats are smaller than pandas ORA   OR  Cat/tiger has fewer chromosomes than a rat   Cat/tiger is larger than a rat ORA   OR  Earthworm and tiger/cat have similar number of chromosomes   But a tiger/cat is larger than an earthworm ORA   OR  Some larger animals have fewer chromosomes than smaller animals ORA   Any correct example taken from the table   ✓	2	3.2b	answer IGNORE simply chromosomes v just rat has 42 d  Polar Bear Gorilla Rat Giant Panda Tiger Cat Earthworm Snail Fly	

	Question			Answ	er	Marks	AO element		Gı	uidan	ce
2	(a)		b	b		4	2.1	Award one m correct game correct game	es for b	orown	
		В	Bb	Bb				correct Punne	ett squa	re cro	
		b	bb	bb				ALLOW ECF	for Pur for pro	nnett s babilit	equare cross y based on the
					<b>\</b> \ \ \			Punnett squa	re cross	s e.g.	
									<u>b</u>	<u>b</u>	
								<u>B</u>	Bb	<u>Bb</u>	
								<u>B</u>	Bb	Bb	
								Probability of  If genotypes only allow the	given as	s gam	etes as seen below own
									bb	<u>bb</u>	
								В	<u>Bb</u>	<u>Bb</u>	
								<u>B</u>	<u>bb</u>	<u>bb</u>	
		Probability =	: ½ / 2/4	4 / 0.5 /	50% ✓			DO NOT ALL	. <b>OW</b> rat	tio or 5	50/50
	(b)	Many genes	✓			1	2.1				

	Question		Answer	Marks	AO element	Guidance
3	(a)		April ✓	1	2.2	IGNORE A
	(b)		7 ✓	1	2.2	
	(c)		Antibodies  Cell walls  Platelets  Waxy leaf cuticle  White blood cells	2	1.1	
	(d)	(i)	Any one from: Clean/wash/disinfect his bike/tyres/shoes/clothes ✓  Do not remove any material e.g. soil/leaves from the woodland ✓	1	2.1	IGNORE just wash without specifying what is washed  IGNORE wash hands
			Use a different bike / don't take the bike to another woodland ✓			IGNORE don't visit other woodland  IGNORE cycle on path/road
		(ii)	Bacterium Fungus Virus	1	1.1	

Question	Answer	Marks	AO element	Guidance
(e)	Culture the cells  To see if that chemical will kill the pathogen  To help identify the pathogen	2	1.2	2 or 3 correct lines = 2 marks 1 correct line = 1 mark
	Staining and microscopy  To help identify which variant of the disease it is  To increase the number of pathogen cells			

# J257/01 Mark Scheme June 2023

	Question	Answer		Marks	AO element	Guidance
4	(a)	water ✓ oxygen ✓ hydrogen ✓ carbon dioxide ✓		4	1.1	
	(b)	Fat Glycerol Protein Starch	<b>√</b>	1	1.1	

	Question		Answer	Marks	AO element	Guidance
5	(a)	(i)	Any two from:  (Idea that) producers/photosynthesis/plants make/provide food/glucose/sugar/carbohydrate ✓	2	1.1	ALLOW photosynthesis makes/provides nutrients IGNORE 'plants make their own food during photosynthesis' if there is no indication the food produced will be for consumers
			Producers/photosynthesis/plants take in carbon (dioxide) ✓			
			Consumers use glucose/sugar in (cellular) respiration			ALLOW food is used in (cellular) respiration
			(Idea that) consumers cannot get carbon from the atmosphere / depend on eating producers for carbon ✓			IGNORE just consumers eat producers/plants IGNORE ideas to do with oxygen production
		(ii)	Any two from: Consumers/(cellular) respiration produces carbon (dioxide) which is used in photosynthesis ✓	2	1.1	DO NOT ALLOW carbon (dioxide) is released during decomposition/death of consumers DO NOT ALLOW credit for responses that confuse breathing and respiration IGNORE cellular respiration in producers produces carbon dioxide
			(Photosynthesis/producers make) carbon compounds/small organic molecules ✓			<b>ALLOW</b> (photosynthesis/producers make) glucose/sugars/food
			Producers use glucose/sugar in (cellular) respiration			ALLOW producers use food in (cellular) respiration

Question	Answer	Marks	AO element	Guidance
(b)	First check the answer on answer line If answer = 1.1 award 2 marks	2	2.2	
	11 ÷ 10 ✓ =1.1 ✓			

	Question		Answer	Marks	AO element	Guidance
6	(a)	(i)	Any three from:  Use a water bath / description of water bath ✓  (Place tube in water bath) for a set/stated period of time ✓  Measure the temperature of the liquid (at the start and) at the end OR work out the change in temperature of the liquid in the test-tube ✓  Change the temperature of the water (bath) at least three times (e.g. ice, tap water and warm water) OR  States at least three different temperatures OR  Gives a temperature range for the water surrounding the tube ✓	3	3.3a	ALLOW measure the time taken for the temperature to change (from 37°C/starting temperature) to a stated temperature IGNORE measure the temperature of the surrounding liquid  IGNORE just 'change the temperature of the water'
		(ii)	Volume of (red) liquid (in the test-tube) OR Length of time OR Volume of water (in the water bath) OR Starting temperature of the (red) liquid	1	3.3b	IGNORE amount of liquid  IGNORE just temperature of the (red) liquid

Question	Answer	Marks	AO element	Guidance
(b)	Idea that the human body has ways to maintain temperature / has homeostatic mechanisms <b>ORA</b> ✓	1	2.2	ALLOW thermoregulation (occurs in human) ORA ALLOW idea that human body has cells/tissues/organs or named examples e.g. skin ALLOW human body made of more or different substances/components/is not made of glass ALLOW human body has insulation ALLOW human body is more complex/the tube contains only liquid IGNORE the test tube isn't alive

	Question		Answer	Marks	AO element	Guidance
7	(a)		First check the answer on answer line If answer = 1400 award 3 marks $(1200 + 900 + 300) = 2400 \checkmark$ $(900 + 100) = 1000 \checkmark$ $2400 - 1000 = 1400 \checkmark$	3	2.2	If answer incorrect but 2400 – 1000 seen = 2 marks
	(b)		Partially ✓ Osmosis ✓ Burst ✓	3	2.1	
	(c)	(i)	Motor  Receptor  Relay  Sensory	1	2.1	
		(ii)	Any one from: May stop (nerve) impulses in other/nearby neurones (not involved in sweating) ✓  May stop other glands working ✓	1	3.1a	IGNORE just 'stops the functioning of neurones'
			May stop muscles working ✓  Idea of thermoregulation problems e.g. overheating (if sweating is prevented) ✓			ALLOW pain/paedle phabis/infaction
			Side effects/allergic reaction ✓			ALLOW pain/needle phobia/infection

Question	Answer	Marks	AO element	Guidance
(iii)	Biuret test ✓ Purple ✓	2	1.2	

	Question		Answer	Marks	AO element	Guidance
8	(a)	(i)	First check the answer on answer line If answer = 27 award 3 marks  (28 + 26 + 29 + 22 + 27 + 30 + 28) = 190 ✓ 190 ÷ 7 = 27.142857 (recurring) ✓	3	1.2	ALLOW ECF for marking points 2 and 3, if incorrect calculation performed for marking point 1  ALLOW value to any number of correct decimal places
			= 27 (to nearest whole number) ✓			
		(ii)	28 ✓	1	2.2	
		(iii)	Female 4 ✓ Menstrual cycle shorter than the others ✓	2	3.1a 3.2a	ALLOW 22  Look for comparative e.g. shortest/least days/only 22 days/finished earlier  ALLOW her cycle is 22 and the mean is 27

Que	estion	Answer	Marks	AO element	Guidance
(	(b)	Any two from: Control the menstrual cycle ✓	2	1.1	
		Cause egg development ✓			ALLOW produce (female) gamete(s) ALLOW egg production
		Cause ovulation/release of the egg ✓			
		Cause sperm production ✓			ALLOW produce (male) gametes
		Repair/grow/maintain/prepare the lining of the uterus ✓			
		(Idea that) cause changes that happen in puberty so that sexual reproduction can occur ✓			
					ALLOW for 1 mark any other correct description of the role of hormones in sexual reproduction e.g. development of secondary sexual characteristics / example of correctly named secondary sexual characteristic / maintenance of pregnancy
					IGNORE named hormones

# J257/01 Mark Scheme June 2023

C	uestion			Answer		Marks	AO element	Guidance
	(c)					3	1.1	1 mark for each correct column
		Type of contraception	Prevents ovulation	Reduces the chance of pregnancy	Reduces risk of transmission of STIs			
		Condom		✓	✓			
		Oral pill	✓	✓				
				•	<b>√√√</b>			

	Question	Answer	Marks	AO element	Guidance
9		gametes ✓ interphase ✓	4	1.1	
		two ✓ half ✓			

	Question		Answer	Marks	AO element	Guidance
10	(a)	(i)	Vaccine contains safe form of pathogen/virus <b>OR</b> antigens (of the pathogen) ✓	2	2.1	ALLOW weakened/dead/inactive pathogen/virus IGNORE small dose of the pathogen IGNORE denatured/harmless pathogen IGNORE small/weak dose of the disease IGNORE cells/part of the virus/bacteria
			(Causes an) immune response / white blood cells (make antibodies) ✓			ALLOW plasma cells/lymphocytes IGNORE the person is immune
		(ii)	(Idea that) the person is immune ✓  (so this means that) the person is protected against	2	2.1	ALLOW not all of the antibodies have broken down / been destroyed  ALLOW memory cells have stayed in the body
			the virus/pathogen / future infection will be prevented ✓			to make antibodies against the virus/pathogen
		(iii)	10 days ✓ (Idea that) there are no antibodies before day 9/day 10 OR (Idea that) there are antibodies present from day 9/day 10	2	3.1a 3.2a	
			January 10			ALLOW if 10 days is not given as answer but 9, or a number greater than and including 11 is given for the number of days (idea that) antibodies are present e.g. Number of days - 50 Explanation – there are antibodies present = 1 mark

Question		Answer	Marks	AO element	Guidance
(i	v)	Any two from:  Use insect repellent ✓  Use mosquito nets / door screens / stay inside ✓  Wear long sleeved clothing/long trousers/socks ✓  Isolate individuals with yellow fever ✓  Rapid diagnosis of infected people ✓  Test for yellow fever on entry ✓  Restrict travel in/to/from infected areas ✓  Kill mosquitoes / use insecticide / destroy their breeding sites / breed genetically modified mosquitoes ✓	2	2.1	ALLOW any sensible suggestion  ALLOW kill insects
(b)		Any one from:  To protect people who don't have the vaccination / don't develop immunity after vaccination ✓	1	1.1	ALLOW to protect people who have weak immune systems ALLOW named examples of people who might have weak immune systems
		(Idea that) the chance of unvaccinated/susceptible people coming into contact with the pathogen/virus is reduced ✓			ALLOW herd immunity
(c)		Cancer is a communicable disease.  Cancer can be caused by our environment and lifestyle.  Cancer is a result of changes in a cell's DNA.  Cancer is a result of cells dividing uncontrollably by meiosis.	3	1.1	4 correct = 3 marks 3 correct = 2 marks 2 correct = 1 mark

	Question				An	swer			Marks	AO element	Guidance
11	(a)	(i)	Process  Aerobic respiration  Anaerobic respiration	It requires glucose	It requires oxygen	It produces carbon dioxide	It produces water	It produces lactic acid	3	1.1	5 columns correct = 3 marks 4 columns correct = 2 marks 3/2 columns correct = 1 mark
		(ii)	Anaerobic res	piration produc	es more ATP	an anaerobic res than aerobic res duce the same a oduces ATP.	piration.		1	1.1	
	(b)	(i)	Any two fro	m:					2	2.1	
			Mitochondria	are neede	ed for (cell	ular) respira	tion ✓				DO NOT ALLOW anaerobic respiration occurs in the mitochondria
			Mitochondria	produce A	ATP ✓						ALLOW mitochondria release energy  DO NOT ALLOW mitochondria produce /make energy
			(Heart) musc	cle needs A	ATP to con	tract √					IGNORE to pump blood.
		(ii)	A number or	range bety	ween 33 aı	nd 60 (inclus	sive) ✓		1	2.2	

	Question		Answer	Marks	AO element	Guidance
12	(a)	(i)	Any two from:	2	3.1a	
			(From 1940) the percentage of rainforest decreased until around 1987 ✓			<b>ALLOW</b> any year from 1987 to 1997
			From 1987 the percentage of rainforest increased ✓			<b>ALLOW</b> any year from 1987 to 1997
			Idea that there has been a net/overall/25% decrease ✓			N.B stated year e.g. 1987 (or equivalent) need only be stated to award MP1 and MP2
						If no marks awarded ALLOW 'it decreased and then increased' for 1 mark
		(ii)	Any date from 1983 to 1996 inclusive ✓	1	3.1b	ALLOW a range given within the stated values
		(iii)	2030 ✓	1	3.1b	
	(b)	(i)	Any two from (benefits): Idea of carbon offsetting e.g. Act as a carbon sink, plants use carbon dioxide (in photosynthesis) ✓ Idea of tackling global warming ✓ Idea that it will help tackle climate change ✓ Maintain/increase biodiversity ✓ Prevent extinction of species / reduce number of endangered species ✓	2	2.1	ALLOW any sensible suggestion  ALLOW protect endangered species
			Protects/improves food supply/chains ✓ Provide materials/resources ✓ Protect populations ✓			ALLOW named examples of resources

Question	Answer	Marks	AO element	Guidance
	Provides/protect habitats ✓ Idea of aesthetics (wellbeing) ✓ For tourism ✓ Prevent landslides/flooding/soil erosion ✓			
(ii)	Any two from:  Challenges in relation to growing trees Idea that (tree growth) takes a long time ✓ (Because it's) difficult to make trees germinate / mature / survive ✓ Soil quality may be poor ✓ Tree selection e.g. right saplings ✓ Unpredictable weather may affect growth ✓  Challenges in relation to the land Idea that there may be less land available because it is being used for another named purpose ✓ Disruption of existing habitats / organisms living in area to be reforested ✓  Challenges in relation to people No obvious direct benefit for people ✓ May lose income / economic implications ✓  Challenges in relation to money Costs money / can be expensive (to conserve/re-grow species or habitats) ✓  May need to compensate people ✓  Challenges to stopping it shrinking Continued deforestation / illegal logging ✓ Idea that it could be difficult to protect ✓	2	2.1	ALLOW any sensible suggestion

	Sexual	Asexual	3	1.1	4 correct = 3 marks
	reproduction	reproduction			3 correct = 2 marks
ccurs at a slower rate	✓				2 correct = 1 mark
ffspring are all susceptible to the same diseases		✓			
nly one parent is needed		<b>✓</b>			
rovides offspring with genetic variation	✓				
f	fspring are all susceptible to the same diseases	fspring are all susceptible to the same diseases ally one parent is needed	fspring are all susceptible to the same diseases  v  v  v  v	fspring are all susceptible to the same diseases  Ally one parent is needed  Ovides offspring with genetic variation	fspring are all susceptible to the same diseases  Ally one parent is needed  Ovides offspring with genetic variation

#### Need to get in touch?

If you ever have any questions about OCR qualifications or services (including administration, logistics and teaching) please feel free to get in touch with our customer support centre.

Call us on

01223 553998

Alternatively, you can email us on

support@ocr.org.uk

For more information visit

ocr.org.uk/qualifications/resource-finder

ocr.org.uk

Twitter/ocrexams

/ocrexams

in /company/ocr

/ocrexams



OCR is part of Cambridge University Press & Assessment, a department of the University of Cambridge.

For staff training purposes and as part of our quality assurance programme your call may be recorded or monitored. © OCR 2023 Oxford Cambridge and RSA Examinations is a Company Limited by Guarantee. Registered in England. Registered office The Triangle Building, Shaftesbury Road, Cambridge, CB2 8EA.

Registered company number 3484466. OCR is an exempt charity.

OCR operates academic and vocational qualifications regulated by Ofqual, Qualifications Wales and CCEA as listed in their qualifications registers including A Levels, GCSEs, Cambridge Technicals and Cambridge Nationals.

OCR provides resources to help you deliver our qualifications. These resources do not represent any particular teaching method we expect you to use. We update our resources regularly and aim to make sure content is accurate but please check the OCR website so that you have the most up-to-date version. OCR cannot be held responsible for any errors or omissions in these resources.

Though we make every effort to check our resources, there may be contradictions between published support and the specification, so it is important that you always use information in the latest specification. We indicate any specification changes within the document itself, change the version number and provide a summary of the changes. If you do notice a discrepancy between the specification and a resource, please contact us.

Whether you already offer OCR qualifications, are new to OCR or are thinking about switching, you can request more information using our <a href="Expression of Interest form"><u>Expression of Interest form</u></a>.

Please get in touch if you want to discuss the accessibility of resources we offer to support you in delivering our qualifications.