

Copyright Acknowledgement Booklet

For the October/November 2021 exam series

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			<i>Please assume that any subjects not listed here contain no third party material. OCR will be happy to correct any omissions upon notification.</i>		

Ancient History

H407_11	GCE A Level	Ancient History Sparta and the Greek World	Question Paper	Q.4	© Adapted from [A9] Tyrtaios 12 [G7] Aristophanes' take on a Spartan song, LACTOR 21, p33, p.251, Ed. M. G. L. Cooley, 2017. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
H407_12	GCE A Level	Ancient History Athens and the Greek World	Question Paper	Q.3 Q.4	© Aspects of Greek History, Terry Buckley, Copyright 750-323 BC and Imprint, 2010. Reproduced by permission of Taylor & Francis Group. © The Old Oligarch, LACTOR 2, p19-20, Pseudo-Xenophon, translated by Robin Osborne, 2004
H407_21	GCE A Level	Ancient History Republic and Empire	Question Paper	Q.1 Q.3	© 2021 Thorikos Archaeological Research Project, Theatre at Thorikos. Reproduced by permission of Thorikos archaeological research project © Translated by David Franklin, Euripides Bacchae 1301 – 1328 ,Euripides' Bacchae, p.87. Reproduced with permission of The Licensor through PLSclear

Biology (Gateway)

<p>J247_01</p>	<p>GCSE</p>	<p>Biology A (Gateway Science) Paper 1 (Foundation Tier)</p>	<p>QP</p>	<p>Q16bi</p> <p>Q20ci, Fig. 20.2</p> <p>Q22aai</p>	<p>© Mysticalink, Shutterstock Photo Library, www.shutterstock.com.</p> <p>OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.</p> <p>© D L Cano-Ramirez, T S de Fraine, O G Griffiths, A N Dodd, 'Photosynthesis and circadian rhythms regulate the buoyancy of marimo lake balls', ppR869-R870, Current Biology, Vol. 28.16, 20 August 2018. Reproduced under the terms of the Creative Commons Attribution 4.0 International (CC BY 4.0) Licence.</p>
<p>J247_03</p>	<p>GCSE</p>	<p>Biology A (Gateway Science) Paper 3 (Higher Tier)</p>	<p>QP</p>	<p>Q17aai</p> <p>Q18d, Fig. 18.4</p>	<p>© D L Cano-Ramirez, T S de Fraine, O G Griffiths, A N Dodd, 'Photosynthesis and circadian rhythms regulate the buoyancy of marimo lake balls', ppR869-R870, Current Biology, Vol. 28.16, 20 August 2018. Reproduced under the terms of the Creative Commons Attribution 4.0 International (CC BY 4.0) Licence.</p> <p>© Reproduced from Jordan et al. (2007) with permission from CSIRO Publishing. Jordan Gregory J., Brodribb Timothy J. (2007) Incontinence in ageing leaves: deteriorating water relations with leaf age in <i>Agastachys odorata</i> (Proteaceae), a shrub with very long-lived leaves. Functional Plant Biology 34, 918-924.</p>

Biology A

H020_02	GCE AS Level	Biology A Depth in biology	Question Paper	Fig 2.3, Insert Q3. 3dii	© Oxford Publishing Limited. Illustrators Jo Locke and Paul Bircher, 'A Level Biology A for OCR Year 1 and AS Student Book'. Reproduced with permission of the Licensor through PLSclear © Harper Collins, Reproduced by permission of Harper Collins
H420_01	GCE A Level	Biology A Biological processes	Question Paper/Insert	Section B, Q16a, Fig. 16.1 Section B, Q16b, Fig. 16.2 Insert, Fig. 17 Insert, Fig. 18.1 Insert, Fig. 18.2	© EVAN OTO / SCIENCE PHOTO LIBRARY © Alexander P / www.shutterstock.com © ALVIN TELSER / SCIENCE PHOTO LIBRARY © HERVE CONGE, ISM / SCIENCE PHOTO LIBRARY © JOSE CALVO / SCIENCE PHOTO LIBRARY

H420_02	GCE A Level	Biology A Biological diversity	Question Paper	Q20a	© Hendry et al, 'Disruptive selection in a bimodal population of Darwin's finches, Proceedings of the Royal Society, Volume 276, 2008, 30/09/2019
				Q20c	© Mark C. Urban et al, Asymmetric selection and the evolution of extraordinary defences, Nature Communications. Reproduced by permission of Springer Nature
				Q17b	© mirceax, Shutterstock, www.shutterstock.com

H420_03	GCE A Level	Biology A Unified biology	Question Paper	Q1, Fig. 1.1 Q2, Fig. 2.1, image D Q2, Fig. 2.1, image C Q2, Fig. 2.1, image E Q2, Fig. 2.3 Q4, Fig.4.3 Q5, Fig. 5.3	© DR KEITH WHEELER / SCIENCE PHOTO LIBRARY © BIOPHOTO ASSOCIATES / SCIENCE PHOTO LIBRARY © MICHAEL ABBEY / SCIENCE PHOTO LIBRARY © MICHAEL ABBEY / SCIENCE PHOTO LIBRARY ©R E Diner, S M Schwenck, J P McCrow, H Zheng, A E Allen, 'Genetic Manipulation of Competition for Nitrate between Heterotrophic Bacteria and Diatoms', Article 880, Frontiers in Microbiology, Vol. 7, June 2016. Reproduced under the terms of the CreativeCommons Attribution 4.0 International (CC BY 4.0) licence. OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source Adapted from © K Daigo, Y Nakano, B E Casareto, Y Suzuki, Y Shioi, 'High-performance Liquid Chromatographic Analysis of Photosynthetic Pigments in Corals: An Existence of a Variety of Epizoic, Endozoic and Endolithic Algae ', pp123-127, Proceedings of the 11th International Coral Reef Symposium, Ft. Lauderdale, Florida, Session number 5, 7-11 July 2008. OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source..
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Biology B

H422_01	GCE A Level	Biology B (Advancing Biology) Fundamentals of biology	Question Paper	Fig. 32	© BIOPHOTO ASSOCIATES / SCIENCE PHOTO LIBRARY
H422_02	GCE A Level	Biology B (Advancing Biology) Scientific literacy in biology	Question Paper	Q3a Q3a	© Alexander_P / Shutterstock © Alexander_P / Shutterstock
H422_03	GCE A Level	Biology B (Advancing Biology) Practical skills in biology	Insert	Q1c Q3c Q5b	© DR ROBERT FRIEDLAND / SCIENCE PHOTO LIBRARY © W.Y. Sunshine/ Shutterstock © MICROSCAPE / SCIENCE PHOTO LIBRARY

Business Studies

H431_02	GCE A Level	Business Studies The UK business environment	Question Paper	Extract B	©Keeko. Reproduced by kind permission of Sarah Chinnaraja, owner of Keeko.
				Extract A	© Open Government Licence v3.0
				Extract C	© keeko. Reproduced by kind permission of Sarah Chinnaraja, owner of Keeko.
				Quote in italics on page 4	© The Liverpool Echo, 'Inside Merseyside Crayon Factory', www.liverpoolecho.co.uk . Reproduced by permission of Reach Plc.
H431_03	GCE A Level	Business Studies The global business environment	Question Paper	Source A	Statista, 'Nike's advertising and promotion costs from 2014 to 2021' www.statista.com
				Source F	© The Economist, 'Nike: Don't do it', www.economist.com . Reproduced by permission of The Economist.

J204_01	GCSE	Business Studies Business 1: business activity, marketing and people	Question Paper	Q16	© The BBC 'John Lewis bonus lowest since 1950s as profits plunge', www.bbc.co.uk . Reproduced by permission of The BBC.
				Q17	© Greggs, www.greggs.co.uk , 2021. Reproduced by permission of Greggs.
				Q17	© Greggs, www.greggs.co.uk , 2021. Reproduced by permission of Greggs.
				Q17	© The BBC, 'Greggs vegan sausage roll boosts sales, 2019. Reproduced by permission of The BBC.
				Q17	© The Vegan Society, www.vegansociety.com . 1944 - 2021 The Vegan Society. Reproduced by permission of The Vegan Society.
				Q17	© The Retail Times, www.retailtimes.co.uk . Reproduced by permission of The Retail Times.
J204_02	GCSE	Business Studies Business 2: operations, finance and influences on business	Question Paper	Q16	© Statista, www.statista.com . https://www.statista.com/statistics/286273/internet-banking-penetration-in-great-britain/

Chemistry A

H032_01	GCE AS Level	Chemistry A Breadth in chemistry	Question Paper	Q25e	© SDBS, National Institute of Advanced Industrial Science and Technology
				Q25e	© SDBS, National Institute of Advanced Industrial Science and Technology
H432_02	GCE A Level	Chemistry A Synthesis and analytical techniques	Question Paper	Q11	© SDBS, National Institute of Advanced Industrial Science and Technology
				Q5c	© SDBS, National Institute of Advanced Industrial Science and Technology

Chemistry B

H433_02	GCE A Level	Chemistry B (Salters) Scientific literacy in chemistry	CC-ANA	Q3e	© SDBS, National Institute of Advanced Industrial Science and Technology
				Q3e	© SDBS, National Institute of Advanced Industrial Science and Technology
				Q3e	© SDBS, National Institute of Advanced Industrial Science and Technology
				Q3e	© SDBS, National Institute of Advanced Industrial Science and Technology

Citizenship Studies

J270_01	GCSE	Citizenship Studies Citizenship in perspective	QP	Q13	© Ministry of Justice, www.gov.org.uk. Reproduced under the terms of the Open Government Licence.
				Q14	© Newsphoto / Alamy Stock Photo
J270_02	GCSE	Citizenship Studies Citizenship in action	QP	Q6	© Published by Open Democracy. creativecommons.org/licenses/by-nc/4.0/
				Q6	© George Cracknell Wright / Alamy Stock Photo
				Q6	© Susan Watson, PhD Candidate, Social Policy and Social Work Department, University of York, The Conversation
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				Q9	© Mr SJL Johnson. Reproduced by kind permission of stevejjohnson@btinternet.com

J270_03	GCSE	Citizenship Studies Our rights, our society, our world	QP	1B 2 4A 41	<p>© The Howler, Universal, Declaration of Human Rights: Article 19, Montia Daniels, www.thehowler.org, 2017. Reproduced by permission of www.TheHowler.org</p> <p>© Keep Our Health Public, www.keepourhpublic.com. Reproduced by kind permission of Keep Our Health Public.</p> <p>©2019 United Nations. Reprinted with the permission of the United Nations. https://news.un.org/en/story/2019/12/105294104/02/2020</p> <p>© The Telegraph, 'Srebrenica-20-years-on-What-have-been-the-successes-and-failures-of-UN-peacekeeping-missions' Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified</p>
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Classical Civilisation

H408_21	GCE A Level	Classical Civilisation Greek Theatre	QP	Q1 Q3	© Copyright: Thorikos Archaeological Research Project, Belgian School at Athens and C. Stal © Euripides Bacchae 1301 – 1328 p.87, Translated by David Franklin, Cambridge University Press. Reproduced by permission of the licensee PLSClear.
H408_23	GCE A Level	Classical Civilisation Invention of the Barbarian	QP	Q1,3 Q2,3 Q4,5,6	© World History Archive / Alamy Stock Photo © World History Archive / Alamy Stock Photo © Herodotus, published in Vol. IV of the Loeb Classical Library edition, 1925.
H408_31	GCE A Level	Classical Civilisation Greek Religion	QP	Q1	© The Trustees of the British Museum. Reproduced by permission of The Trustees of the British Museum.
J199_11	GCSE	Classical Civilisation Myth and religion	QP	Q9 Q10	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source. © Perseus Digital Library, http://www.perseus.tufts.edu/hopper/text?doc=Perseus%3Atext%3A2007.01.0072:book=1:chapter=12

J199_12	GCSE	Classical Civilisation Women in the ancient world	QP	Q1,2,3	© Adam Eastland / Alamy Stock Photo
				Q6, 7	© Azoor Photo Collection / Alamy Stock Photo
				Q10	© Mary R. Lefkowitz and Maureen B. Fant, 'Women's Life in Greece & Rome' Bristol Classical Press, an imprint of Bloomsbury Publishing Plc, 1982. Reproduced by permission of Bloomsbury Publishing Plc.
				Q12	© www.poetryintranslation.com
				Q13	© Author Carole Raddato, CC BY 2.0
				Q16,17	© Mary R. Lefkowitz and Maureen B. Fant, 'Women's Life in Greece & Rome' Bristol Classical Press, an imprint of Bloomsbury Publishing Plc, 1982. Reproduced by permission of Bloomsbury Publishing Plc
				Q22	© Aaron J Atsma, www.theoi.com .
				Q25	© www.poetryintranslation.com
				Q26,28	© Martin Beddall / Alamy Stock Photo
				26,27	© www.poetryintranslation.com
J199_22	GCSE	Classical Civilisation Roman city life	QP	Q13	© Alamy Stock photo / Royalty free image
				Q1-3	© Menander, Roman Fresco in Pompeii, Italy, Wikimedia Commons. Reproduced under the terms of a Creative Commons CC0 1.0 Universal Public Domain Dedication Licence.

J199_23	GCSE	Classical Civilisation War and warfare	QP	INS B	© Ivan Vdovin / Alamy Stock Photo
				INS D	© World History Archive / Alamy Stock Photo
				INS E	© Ruth Swan / Alamy Stock Photo

Classical Greek

Classical Greek					
J292_02	GCSE	Classical Greek Prose Literature A	QP	Q1-7	© Bloomsbury Publishing Plc, Prescribed Greek set text (Section A). Tales from Herodotus, pages 49-52; 65-66. Reproduced by permission of Bloomsbury Publishing Plc.
J292_04	GCSE	Classical Greek Verse Literature A	QP	All	© Affleck / Letchford, 'OCR Bloomsbury Textbook, OCR Anthology for Classical Greek GCSE, Bloomsbury Publishing Plc, 2016. Reproduced by permission of Bloomsbury Publishing Plc.

J292_05	GCSE	Classical Greek Verse Literature B	QP	All	© Affleck / Letchford, 'OCR Bloomsbury Textbook, OCR Anthology for Classical Greek GCSE, Bloomsbury Publishing Plc, 2016. Reproduced by permission of Bloomsbury Publishing Plc.
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Combined Science (21 Century)

J260_05	GCSE	Combined Science B (Twenty First Century Science) Biology (Higher Tier)	QP	<p style="text-align: center;">Q1</p> <p style="text-align: center;">Q5</p> <p style="text-align: center;">Q7</p> <p style="text-align: center;">Q4d</p> <p style="text-align: center;">Q3</p>	<p>Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.</p> <p>© The Company of Biologists, www.biologists.org. Reproduced under the terms of the Creative Commons Licence Attribution 4.0 International (CC BY 4.0)</p> <p>OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.</p> <p>OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.</p> <p>© The BBC, 'Call to screen newborn babies for 22q genetic condition', Sian Lloyd, 2018. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.</p>
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Combined Science (Gateway)

J250_01	GCSE	Combined Science (Biology) A (Gateway Science) Paper 1 (Foundation Tier)	QP	Q2	© Mad Dog, Shutterstock Photo Library, www.shutterstock.com.
J250_02	GCSE	Combined Science (Biology) A (Gateway Science) Paper 2 (Foundation Tier)	QP	Q10 Q12a Q15c, Fig. 15.1 Q13c, Fig. 13.3	© Jpbrody, Reproduced under the terms of the Creative Commons Attribution- ShareAlike license version 2.5. © Graph adapted from Yutaka Ueda et al, Dynamic changes in Japan's prevalence of abnormal findings in cervical cytology depending on birth year, Springer Nature, 2018. Reproduced under the terms of the Creative Commons CC BY Licence. © A J Richards et al, The effects of altitude, aspect, grazing and time on the proportion of cyanogenics in neighbouring populations of Trifolium repens L. (white clover), © Springer Nature, 2002. Reproduced under the terms of the Creative Commons Licence. © R H Myers, 'Huntington's disease genetics', Fig. 1, pp255-262, Neurotherapeutics, Vol. 1.2, April 2004. Reproduced by kind permission of Springer Nature.
J250_04	GCSE	Combined Science (Chemistry) A (Gateway Science) Paper 4 (Foundation Tier)	QP	Q17b Q16	© OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source. BP Statistical Review of World Energy, BP p.l.c. Copyright © 1996-2019. Reproduced by kind permission of BP p.l.c.

J250_05	GCSE	Combined Science (Physics) A (Gateway Science) Paper 5 (Foundation Tier)	QP	Q16 Q16 Q16	<p>© Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.</p> <p>© Engineering ToolBox, (2003). Specific Heat of common Substances. [online] Available at: https://www.engineeringtoolbox.com/specific-heat-capacity-d_391.html [Accessed Day 14 May 2020]</p> <p>© Engineering ToolBox, (2003). Fluids - Latent Heat of Evaporation. [online] Available at: https://www.engineeringtoolbox.com/fluids-evaporation-latent-heat-d_147.html [Accessed22/11/2019]</p>
J250_06	GCSE	Combined Science (Physics) A (Gateway Science) Paper 6 (Foundation Tier)	QP	Q12 Q12 Q12c Q15b	<p>Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.</p> <p>Crown Copyright. The Official Highway Code, 2019. Reproduced under the terms of the Open Government Licence.</p> <p>© Institute of Physics, http://practicalphysics.org/specific-thermal-capacity-aluminium.html, Institute of Physics</p> <p>© Digital UK, www.digitaluk.co.uk. Reproduced by permission of Digital UK.</p>

J250_07	GCSE	Combined Science (Biology) A (Gateway Science) Paper 7 (Higher Tier)	QP	Q11 Q15b Q2	<p>OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.</p> <p>Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.</p> <p>© Mad Dog, Shutterstock Photo Library, www.shutterstock.com.</p>
J250_08	GCSE	Combined Science (Biology) A (Gateway Science) Paper 8 (Higher Tier)	QP	Q11c Q13bi Q15b	<p>© Springer Nature, The effects of altitude, aspect, grazing and time on the proportion of cyanogenics in neighbouring populations of <i>Trifolium repens</i> L, www.nature.com, AJ Richards et al, 2002. Reproduced under the terms of the Creative Commons Attribution International License v4.0.</p> <p>© International Journal of Science, Yutaka Ueda et al, www.nature.com, 2019. Reproduced under the terms of the Creative Commons Attribution International License v4.0.</p> <p>© Butterworth J, Walker F, Lysak S, Pregnancy increases median nerve susceptibility to lidocaine. Anesthesiology. 1990. Reproduced with kind permission from Cambridge University Press.</p>

J250_10	GCSE	Combined Science (Chemistry) A (Gateway Science) Paper 10 (Higher Tier)	QP	Q16 Q2 Q16	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified. OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.
J250_12	GCSE	Combined Science (Physics) A (Gateway Science) Paper 12 (Higher Tier)	QP	Q11b Q15	Adapted from 'Coverage checker results: Detailed View', www.digitaluk.co.uk , Digital UK. Reproduced by kind permission of Digital UK. © American Physical Society, description of Joule's experiment., December 2009 (Volume 18, Number 11): December 1840. OCR is aware that third party material appeared in this exam, but it has not been possible to identify and acknowledge the source.

Core Mathematics A

H868_01	Level 3 Certificate	Core Maths A (MEI) Introduction to Quantitative Reasoning	QP	PR	© James Cridland, Flickr, www.flickr.com .
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Design & Technology

Design & Technology					
H404_01	GCE A Level	Design and Technology: Design Engineering Principles of Design Engineering	QP	Q1, Fig. 1.1 Q3, Fig. 3.1a Q3, Fig. 3.1b	© imageBROKER / Alamy Stock Photo © Somchai Som, Shutterstock Photo Library, www.shutterstock.com © Somchai Som, Shutterstock Photo Library, www.shutterstock.com
H404_02	GCE A Level	Design and Technology: Design Engineering Problem Solving in Design Engineering	RB	Fig. 1 Fig. 3 Fig. 5	© Tatiana Grozetskaya, Shutterstock Photo Library, www.shutterstock.com © Oleksandr Derevianko, Shutterstock Photo Library, www.shutterstock.com © ArtEvent ET, Shutterstock Photo Library, www.shutterstock.com
H406_01	GCE A Level	Design and Technology: Product Design Principles of Product Design	QP	Q1 Q2 Q3 Q4	© Li_AI, Shutterstock Photo Library www.shutterstock.com © M. Unal Ozmen, Shutterstock, Photo Library, www.shutterstock.com © AlenKadr, Shutterstock Photo Library www.shutterstock.com © He2, Shutterstock Photo Library www.shutterstock.com

H406_02	GCE A Level	Design and Technology: Product Design Problem Solving in Product Design	QP	1	© anueing / Shutterstock Photo Library www.shutterstock.com
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<p>J310_01</p>	<p>GCSE</p>	<p>Design and Technology Principles of Design and Technology</p>	<p>QP</p> <p>INS</p>	<p>QP, Q1, Fig. 1, image 1</p> <p>QP, Q1, Fig. 1, image 2</p> <p>QP, Q5c, Fig. 5</p> <p>Insert, Product 2, image 1</p> <p>Insert, Product 2, image 2</p> <p>Insert, Product 3, image 2</p> <p>Insert, Product 4, image 1</p> <p>Insert, Product 5, image 1</p> <p>Insert, Product 5, image 2</p> <p>Insert, Product 5, image 4</p>	<p>© Rinelle, iStockphoto, www.istockphoto.com</p> <p>© Rinelle, iStockphoto, www.istockphoto.com</p> <p>© PhotoAlto / Alamy Stock Photo</p> <p>© Africa Studio / Shutterstock, www.shutterstock.com</p> <p>© Richard Peterson, Shutterstock Photo Library, www.shutterstock.com.</p> <p>© jukurae, Shutterstock Photo Library, www.shutterstock.com</p> <p>© r401@yandex.ru, Shutterstock Photo Library, www.shutterstock.com</p> <p>© Di_Studio, iStockphoto, www.istockphoto.com</p> <p>© Evgeny Karandaev, Shutterstock Photo Library, www.shutterstock.com.</p> <p>© MaraZe, Shutterstock Photo Library, www.shutterstock.com.</p>
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				Insert, Q4, image A, image 1	© anandaBGD, iStockphoto, www.istockphoto.com
				Insert, Q4, image A, image 2	© JIANG HONGYAN, Shutterstock Photo Library, www.shutterstock.com .
				Insert, Q4, image B	© NinaM, Shutterstock Photo Library, www.shutterstock.com .
				Insert, Q4, image C	© EfsunKutlay, iStockphoto, www.istockphoto.com
				Insert, Q4, image D	© Hein Nouwens, Shutterstock Photo Library, www.shutterstock.com .
				Insert, Q4, image E	© Cozine, Shutterstock Photo Library, www.shutterstock.com .

Economics

H460_01	GCE A Level	Economics Microeconomics	QP	Table1	© Civil Aviation Authority (CAA), www.caa.co.uk. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright- holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
H460_02	GCE A Level	Economics Macroeconomics	QP	Fig. 2 Fig. 3	© Adapted from 'Banknote statistics', www.bankofengland.co.uk, Bank of England. Reproduced by kind permission of the Bank of England. © Adapted from 'Official Bank Rate history', www.bankofengland.co.uk, Bank of England. Reproduced by kind permission of the Bank of England.

English Language					
H470_02	GCE A Level	English Language Dimensions of linguistic variation	RB	Text B	Adapted from E Day, 'Why don't more girls study physics?', The Guardian, 30 December 2012 © Guardian News 7 media Ltd 2012, www.theguardian.com . Reproduced by permission of The Guardian.
				Text C	Adapted from 'Eruption 150 years ago, 1868', www.nupepa-hawaii.com , Nupepa. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
				Text D	Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
J351_01	GCSE	English Language Communicating information and ideas	INS	Text 2	© The Daily Mail, www.mailonline.co.uk . Reproduced by permission of The Daily Mail.

J351_02	GCSE	English Language Exploring effects and impact	INS	Text 1 Text 2	<p>© P Gregory, 'Wideacre', HarperCollins, 1987. Reprinted by permission of HarperCollins Publishers Ltd. © Philippa Gregory 1987.</p> <p>From Sleep, Pale Sister by Joanne Harris published by Black Swan. Reproduced by kind permission of The Random House Group Ltd. ©2004. The Agreed Upon 279 Words from Sleep, Pale Sister by Joanne Harris. Published by Black Swan, 2004. Copyright © Joanne Harris. Reproduced by permission of the author c/o Rogers, Coleridge & White Ltd., 20 Powis Mews, London W11 1JN.</p>
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English Language & Literature

H474_01	GCE A Level	English Language and Literature (EMC) Exploring non-fiction and spoken texts	QP	Q1	© The Guardian, 'Marilyn Monroe obituary', www.theguardian.com. Reproduced by permission of The Guardian
H474_02	GCE A Level	English Language and Literature (EMC) The language of poetry and plays	QP	Q4 Q6	© CNN, Larry King transcript, http://transcripts.cnn.com/TRANSCRIPTS/0106/01/lkl.00.html , 2001. © Jacob Sam-La Rose, Bloodaxe Books. Reproduced with permission of Bloodaxe Books.

English Literature

English Literature					
H472_01	GCE A Level	English Literature Drama and poetry pre-1900	QP	1(a)	© Shakespeare, Coriolanus Act I, scene I, Collins, 2011
				2(a)	© Shakespeare, Hamlet III, I, Collins, 2011
				3(a)	© Shakespeare, Measure for Measure IV, 1, Collins, 2011
				4(a)	© Shakespeare, Richard III III, I, Collins, 2011
				5(a)	© Shakespeare, The Tempest I, i, Collins, 2011
				6(a)	© Shakespeare, Twelfth Night I, iii, Collins, 2011
J352_02	GCSE	English Literature Exploring poetry and Shakespeare	QP	Section A, Q3, Poem 2	© S Faircloth, 'My Angels'
				Section A, Q3, Poem 1	© 'Farther' from Skirrid Hill by Owen Sheers. Published by Seren, 2005. Copyright © Owen Sheers. Reproduced by permission of the author c/o Rogers, Coleridge & White Ltd., 20 Powis Mews, London W11 1JN
				Section B, Q4	William Shakespeare, © William Collins; Reissue edition 2011. Reprinted by permission of HarperCollins Publishers Ltd
				Section B, Q8	William Shakespeare, © William Collins; Reissue edition 2016. Reprinted by permission of HarperCollins Publishers Ltd
				Section B, Q10	William Shakespeare, 'Much Ado About Nothing'. OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.

Geography

H481_01	GCE A Level	Geography Physical systems	RB	Q2	© National Snow and Ice Data Center. Accessed 02/12/2020. https://nsidc.org/cryosphere/sotc/glacier_balance.html
				Q3	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.
				Q4	© agefotostock / Alamy Stock Photo
H481_03	GCE A Level	Geography Geographical debates	RB	Q1	© Dr Roy Spencer. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
				Q2	© Alzheimer's Disease International, www.alzheimers.org. Reproduced by kind permission of Alzheimer's Disease International.
				Q4	© World Mapper, www.worldmapper.org. Reproduced by permission of World Mapper.
				Q5	© Jens Ickler, Alamy Stock Photo, www.alamy.com
J383_02	GCSE	Geography A (Geographical Themes) The World Around Us	RB	Fig. 1	© https://www2.nau.edu/lrm22/lessons/food_chain/food_chain.html . OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.
				Fig. 2	© Allion Joyce, Wall Street Journal, May 11 th , 2016
				Fig. 4	© GCSE Geography OCR B Student Book, John Widdowson, Oxford University Limited. Reproduced with kind permission of Oxford Publishing Limited.
J383_03	GCSE	Geography A (Geographical Themes) Geographical Skills	RB	Fig. 1	Adapted From Josh Gabbatiss, El Niño: 75-80% chance of extreme weather phenomenon in next three months, World Meteorological Organisation warns, 27 November 2018 © The Independent, https://www.independent.co.uk/climate-change/news/el-nino-2019-weather-extreme-effect-climate-un-world-meteorological-organisation-a8653861.html
				Fig. 2	© Courtesy of NASA

				Fig. 3	NERC (CEH) 2016, Crown Copyright.
				Fig. 5	Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
				Fig. 6	© Christopher Krembs, 2018
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J384_02	GCSE	Geography B (Geography for Enquiring Minds)	RB	Fig. 1	M Roser, 'Human Development Index', www.ourworldindata.org , Our World in Data. Reproduced under the terms of the Creative Commons Attribution 4.0 International (CC BY 4.0) licence.
				Fig. 3	Max Roser (2020) - "Human Development Index (HDI)". Published online at OurWorldInData.org. Retrieved from: ' https://ourworldindata.org/human-development-index ' [Online Resource]
				Fig. 5	© Christopher Middleton, British Seafishing, www.britishseafishing.co.uk , 2020. Reproduced by kind permission of British Seafishing.
				Fig. 2	Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
				Fig. 4	Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.

Geology

H414_01	GCE A Level	Geology Fundamentals of geology	QP	Q27.1 Q31.3 Q21	© Maureen Feinemen. Reproduced under the terms of a Creative Commons Licence by 4.0. © Tunnel section, https://www.researchgate.net/figure/Road-tunnel-geometry_fig2_224137548 © Discontinuous binary phase diagram. Figure 2, page 46 OCR Geology
H414_03	GCE A Level	Geology Practical skills in geology	QP	Q4ci & ii	© Geological map, British Geological Survey. Reproduced by permission of the British Geological Survey.

History A

Y105_01	GCE A Level	History A England 1445–1509: Lancastrians, Yorkists and Henry VII	QP	Q1	© Keith Dockray, Margaret of Anjou and the Wars of the Roses, Fonthill Media. Reproduced by permission of Fonthill Media
				Q1	© N Fellows and S Littler, England 1445-1509. Page 68. OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source.
Y106_01	GCE A Level	History A England 1485–1558: the Early Tudors	QP	Source B	© Chronicle of Richard Grafton
				Source C	© Letter, Burgoyne to Calvin
				Source D	© Parliamentary record of changes made against the Duke of Somerset, January 1552.
Y107_01	GCE A Level	History A England 1547–1603: the Later Tudors	QP	Source A	© Act of Attainder Jan 1548
				Source B	© Chronicle of Richard Grafton
				Source D	© Parliamentary record of changes made against the Duke of Somerset, January 1552.
Y108_01	GCE A Level	History A The Early Stuarts and the Origins of the Civil War	QP	Source A	© D Smith, Oliver Cromwell, p86-7, 1991. Reproduced with permission of The Licensor through PLSclear.
				Source C	© D Smith, Oliver Cromwell, p87, 1991. Reproduced with permission of The Licensor through PLSclear
				Source D	© D Smith, Oliver Cromwell, p87-8, 1991. Reproduced with permission of The Licensor through PLSclear
Y305_01	GCE A Level	History A The Renaissance c.1400–c.1600	QP	Q1	© D Weinstein, 'Savonarola - Preacher and Patriot?', History Today, Volume 39, Issue 11, History Today Ltd, 1989. Reproduced with permission of History Today Ltd.
Y308_01	GCE A Level	History A	QP	Q1	Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to

	GCE A Level	The Catholic Reformation 1492–1610		Q1	rectify any omissions of acknowledgements in future papers if notified. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
Y311_01	GCE A Level	History A The Origins and Growth of the British Empire 1558–1783	QP	Q1	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source
Y314_01	GCE A Level	History A The Challenge of German Nationalism 1789–1919	QP	Q1 Q1	OCR is aware that third party material appeared in this exam but it has not been possible to identify and acknowledge the source. Adapted from E D Brose, 'German history 1789 to 1871', Page unknown, Berghahn Book, 1997. Item removed due to third party copyright restrictions.
Y316_01	GCE A Level	History A Britain and Ireland 1791–1921	QP	Passage A	© Adapted from J Smith, 'Britain and Ireland: From Home Rule to Independence', pp65-69, Routledge, 2000. Reproduced by permission of Taylor & Francis Group Plc via PLS Clear.
Y317_01	GCE A Level	History A China and its Rulers 1839–1989	QP	Q1 Q1	© Zhu Weizheng, 'Rereading modern Chinese History', Brill, 2015. Reproduced with permission of Brill. Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and OCR will be happy to rectify any omissions of acknowledgements in future papers if notified.
Y318_01	GCE A Level	History A Russia and its Rulers 1855–1964	QP	Q1 Q1	Adapted from D Filtzer, 'The Khrushchev Era: De-Stalinisation and the Limits of Reform in the USSR', p57, Macmillan Press, 1993. Reproduced by permission of the publisher via PLS Clear Adapted from G Swain, 'Krushchev', pp113-114, Macmillan Publishers, 2016. Reproduced by permission of Springer Nature via PLS Clear.
Y319_01	GCE A Level	History A Civil Rights in the USA 1865–1992	QP	Q1	Adapted from V Sanders, 'Access to History for the IB Diploma: Civil Rights and social movements in the Americas post-1945', 2nd Edition, p114, p116, p119, Hodder and Stoughton Educational Limited, 2016. Reproduced by kind permission of Hodder and Stoughton Educational Limited.

Y320_01	GCE A Level	History A From Colonialism to Independence: The British Empire 1857–1965	QP	Q1 Q1	© M Bunton, The Palestinian-Israeli Conflict, p44-6, OUP, 2013. Reproduced by permission of OUP © Michael Scott-Baumann, The Middle East 1908-2011, pages 24-6, Hodder Education. Reproduced by permission of Hodder Education
Y321_01	GCE A Level	History A The Middle East 1908–2011: Ottomans to Arab Spring	QP	Q1 Q1	© M Bunton, The Palestinian-Israeli Conflict, p44-6, OUP, 2013. Reproduced with permission of OUP. © Michael Scott-Baumann, The Middle East 1908-2011, pages 24-6, Hodder Education. Reproduced by permission of Hodder Education.

History A

J410_12	GCSE	History A (Explaining the Modern World) The English Reformation c.1520–c.1550 with Castles: Form and Function c.1000–1750	QP	Source E Q2 (4 on paper) Q2 (4 on paper)	© Trinity Mirror / Mirropix / Alamy Stock Photo © James Petre, THE CASTLE STUDIES GROUP JOURNAL NO 29: 2015-16, pp 223, Castle Studies Group, 2015-16. Reproduced with permission of The Castle Studies Group. © Trinity Mirror / Mirropix / Alamy Stock Photo
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History B

J411_11	GCSE	History B (Schools History Project) The People's Health, c.1250 to present with The Norman Conquest, 1065–1087	QP	Interpretation A	© Caxton Publishing co.
J411_15	GCSE	History B (Schools History Project) Crime and Punishment, c.1250 to present with The Elizabethans, 1580–1603	QP	Q8 Interpretation B	© John Guy, The Daily Mail, 2016. www.dailymail.co.uk. © Associated Newspapers. Reproduced by permission of Associated Newspapers. © www.kentwell.co.uk/events/tudor/tudor-midsum , Kentwell.
J411_39	GCSE	History B (Schools History Project) The Making of America, 1789–1900 with Living under Nazi Rule, 1933–1945	QP	Source B Source C	© dpa picture alliance / Alamy Stock Photo © USHMM - United States Holocaust Memorial Museum, www.ushmm.org. Reproduced by kind permission of USHMM.

Latin

Latin					
H443_03	GCE A Level	Latin Prose Literature	QP	Q1, 3	© Cicero, 'Phillipic II', various extracts, from C Tanfield (ed.), 'Cicero Phillipic II: A Selection', pp37-38, 39, 43, 47, Bloomsbury Academic, 2018. Reproduced by permission of Bloomsbury Books Ltd.
				Q2, 4	© Tacitus, 'Histories I', various extracts, from B Gravell (ed.), E O'Gorman, 'Tacitus Histories I: A Selection', p46, 47, 53-54, 57, Bloomsbury Academic, 2018. Reproduced by permission of Bloomsbury Books Ltd.
				Q5	© Apuleius, 'Metamorphoses V', various extracts, from S R Thomson (ed.), 'Apuleius Metamorphoses V: A Selection', p38, 41, Bloomsbury Academic, 2018. Reproduced by permission of Bloomsbury Books Ltd.
J282_04	GCSE	Latin Verse Literature A	QP	Q1,2	© McDonald & Widdess, 'OCR Latin Anthology' 2009. Reproduced with permission of the Licensor through PLSclear.
				Q3	© McDonald & Widdess, 'OCR Latin Anthology' 2009. Reproduced with permission of the Licensor through PLSclear.
				Q4,5	© McDonald & Widdess, 'OCR Latin Anthology' 2009. Reproduced with permission of the Licensor through PLSclear.
				Q6	© McDonald & Widdess, 'OCR Latin Anthology' 2009. Reproduced with permission of the Licensor through PLSclear.
				Q7	© McDonald & Widdess, 'OCR Latin Anthology' 2009. Reproduced with permission of the Licensor through PLSclear.

Core Maths A (MEI)

H868_02	Level 3 Certificate	Core Maths A (MEI) Critical Maths	QP	Q3	© Brian Stubbs, http://www.bstubbs.co.uk/a-lev.htm . Reproduced with permission of Brian Stubbs
				Q3	© Ofcom copyright
				Q4(ii)	© The NHS, www.nhs.uk . Reproduced by kind permission of The NHS.
				Pre-release	Crown Copyright. Electoral Commission, www.electoralcommission.org.uk . Reproduced under the terms of the Open Government Licence v3.0.
				Pre-release	Crown Copyright. Equal Pay Act 1970, www.legislation.gov.uk . Reproduced under the terms of the Open Government Licence v3.0.
				Pre-release	The Office of National Statistics, www.ons.gov.uk . Reproduced under the terms of the Open Government Licence v3.0.
				Pre-release	© Crown Copyright. Acas, 8th Floor Windsor House, 50 Victoria Street, London, SW1H 0TL
				Pre-release	© The Office of National Statistics, www.ons.gov.uk . Reproduced under the terms of the Open Government Licence v3.0.

Mathematics B

H630_02	GCE AS Level	Mathematics B (MEI) Pure Mathematics and Statistics	QP	Q6	Data adapted from World Data Bank, www.worldbank.org . Reproduced under the terms of a Creative Commons Attribution 4.0 International License (CC BY 4.0).
				Q8	Data adapted from World Data Bank, www.worldbank.org . Reproduced under the terms of a Creative Commons Attribution 4.0 International License (CC BY 4.0).
H640_02	GCE A Level	Mathematics B (MEI) Pure Mathematics and Statistics	QP	Q12	CDC, About the National Health and Nutrition Examination Survey, www.cdc.gov.uk . Public Domain content. Freedom of Information Act.

Media Studies

H409_01	GCE A Level	Media Studies Media messages	QP	Q1/2	© The Guardian, Heather Stewart, Jessica Elgot, 2019. Reproduced by permission of The Guardian. Copyright Guardian News & Media Ltd 2021
J200_02	GCSE	Media Studies Music and News	INS	Q4, 5 Q8, 9	© MOJO Magazine, H Bauer Publishing, 2017. Reproduced with permission of H Bauer Publishing. Front cover, The Observer, 22 July 2018. T Helm, C Cadwalladr, 'Brexit campaign chief must be hauled before Commons, say MPs', The Observer, 22 July 2018 © Guardian News and Media Ltd 2016, www.theguardian.com, Reproduced by permission of The Guardian.

Music

H543_05	GCE A Level	Music Listening and appraising	QP	Q1	© Adapted score in 2 staves, Haydn Symphony No. 59, 4th mvt., bars 1-151, Haydn Kritische Ausgabe sämtlicher Symphonien, Vol.VI, pages 34-39, Salzburg: Haydn-Mozart Presse, 1958. Plate H.M.P. 27
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Physical Education

H555_01	GCE A Level	Physical Education Physiological factors affecting performance	QP	Q6a	© solar22, Shutterstock Photo library, www.shutterstock.com
H555_03	GCE A Level	Physical Education Socio-cultural issues in physical activity and sport	QP	Q6d	© International Netball Federation. Reproduced by permission of International Netball Federation.
J587_02	GCSE	Physical Education Socio-cultural issues and sports psychology	QP	Q21	© Football Association, http://www.thefa.com/womens-girls-football/get-involved . Reproduced by kind permission of the Football Association.

Physics (Gateway)

J249_02	GCSE	Physics A (Gateway Science) Paper 2 (Foundation Tier)	QP	Q5	Crown Copyright. The Official Highway Code, www.highwaycodeuk.co.uk , 2019. Reproduced under the terms of the Open Government Licence.
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Sociology

H580_01	GCE A Level	Sociology Socialisation, culture and identity	QP	Q2 Q2	© Rawpixel / iStockphoto, www.istockphoto.com © Elisabeth Arweck & Gemma Penny , Young People's Attitudes to Religious Diversity: Socialising Agents and Factors Emerging from Qualitative and Quantitative Data of a Nation-Wide Project in the UK, May 2015, https://www.tandfonline.com/doi/full/10.1080/07256868.2015.1029890 , Taylor and Francis Group
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