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Geography

SECOND EDITION



Garrett Nagle
Paul Guinness



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International A and AS Level

Geography

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To Angela, Rosie, Patrick and Bethany for their support and good humour.

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Introduction

The aim of this book is to enable you to achieve your potential. In doing so, we hope to help you gain:

- an awareness of the usefulness of geographical analysis to understand and solve contemporary human and environmental problems
- a sense of relative location, including an appreciation of the complexity and variety of natural and human environments
- an understanding of the principal processes operating within physical and human geography
- an understanding of the causes and effects of change on the natural and human environments.

Any study of Geography involves a number of aspects, including:

- elements of physical and human geography and the inter-relationships between these components
- processes operating at different scales within physical and human geography
- a sense of relative location, including an appreciation of the complexity and variety of natural and human environments
- a demonstration and explanation of the causes and effects of change over space and time on the natural and human environments.

In addition, you will use many skills, including:

- exploring primary (fieldwork) sources and secondary sources (for example statistical data)
- interpreting a range of map and diagram techniques displaying geographical information
- assessing methods of enquiry and considering the limitations of evidence
- demonstrating skills of analysis and synthesis
- using geographical understanding to develop your own explanations and hypotheses.

The structure of the book

The Cambridge International Examinations AS and A Level Geography syllabus is presented in sections. The contents of this book follow the syllabus sequence, with each section the subject of a separate topic.

Topics 1 to 6 cover Sections 1 to 6 of the AS Level syllabus and are for all students. AS students are assessed only on these topics.

Topics 7 to 14 cover Sections 7 to 14, the additional sections of the syllabus for A Level students only.

A new feature of the syllabus is Key concepts. These are the essential ideas, theories, principles or mental tools that help learners to develop a deep understanding of their

subject, and make links between different topics. An icon indicates where each Key concept is covered.



Space

The spatial distributions and patterns of a range of physical and human geographical phenomena.



Scale

The significance of spatial scale in interpreting environments, features and places from local to global, and time scale in interpreting change from the geological past to future scenarios.



Place

The physical and human characteristics that create distinctive places with different opportunities and challenges.



Environment

The interactions between people and their environment that create the need for environmental management and sustainability.



Interdependence

The complex nature of interacting physical systems, human systems and processes that create links and interdependencies.



Diversity

The similarities and differences between places, environments, cultures and people.



Change

The dynamic nature of places, environments and systems.

Geographical Skills Workbook and Teacher's CD-ROM

In addition to this book there is a Geographical Skills Workbook, which enables you to revise and test your knowledge and to practise key skills. It includes key features of the geographical skills needed for your Geography course and further practice working with maps and satellite images. The Geographical Skills Workbook also contains a number of skills-based exercises to accompany the AS and A2 content covered in this book, relating to Papers 1 to 4.

Answers to the exercises in the Geographical Skills Workbook are provided on the Teacher's CD-ROM. Interactive multiple-choice tests, definitions of the key terms highlighted in blue in this book, chapter summaries, suggested useful websites and extension exercises are also available on the Teacher's CD-ROM. The interactive multiple-choice tests are also available on the student etextbook version of this book.

About the authors

Paul Guinness is a highly experienced author, teacher and examiner. Until recently, he was Head of Geography at King's College School, Wimbledon, London. He has written or co-authored over 35 textbooks and produced over 100 articles for A Level, IB and GCSE courses. In 2010, he was accredited with the title of Geography Consultant by the Geographical Association in the UK.

Garrett Nagle teaches at St Edward's School, Oxford, where he has been Head of Geography. He is also an experienced examiner, moderator and question setter. He has written and co-authored numerous books and articles for geography and environmental science.

Structure of the syllabus

Cambridge International AS and A Level Geography (syllabus code 9696 – for examination from 2018)

- Candidates for Advanced Subsidiary (AS) certification take Papers 1 and 2 only.
- Candidates who already have AS certification and wish to achieve the full Advanced Level qualification may carry their AS marks forward and take Papers 3 and 4 in the exam session in which they require certification.
- Candidates taking the complete Advanced Level qualification take all four papers.

Paper 1: Core Physical Geography *1 hour 30 minutes*

- Hydrology and fluvial geomorphology
- Atmosphere and weather
- Rocks and weathering

In Section A, candidates answer three data-response questions. In Section B, candidates answer one structured question from a total of three questions. All questions are based on the Core Physical Geography syllabus and are for a total of 60 marks.

50% of total marks at AS Level; 25% of total marks at A Level

Paper 2: Core Human Geography *1 hour 30 minutes*

- Population
- Migration
- Settlement dynamics

In Section A, candidates answer three data-response questions. In Section B, candidates answer one structured question from a total of three questions. All questions are based on the Core Human Geography syllabus and are for a total of 60 marks.

50% of total marks at AS Level; 25% of total marks at A Level

Paper 3: Advanced Physical Geography Options *1 hour 30 minutes*

- Tropical environments
- Coastal environments
- Hazardous environments
- Arid and semi-arid environments

Candidates answer questions on two topics. Each topic consists of one structured question (10 marks) and a choice of essay questions (20 marks), for a total of 60 marks.

25% of total marks at A Level

Paper 4: Advanced Human Geography Options *1 hour 30 minutes*

- Production, location and change
- Environmental management
- Global interdependence
- Economic transition

Candidates answer questions on two topics. Each topic consists of one structured question (10 marks) and a choice of essay questions (20 marks), for a total of 60 marks.

25% of total marks at A Level

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