AWARD WINNING EDUCATIONAL VIDEO CONTENT

Endorsed and recommended for the NEW UK GCSEs and GCEs and CIE and IB specifications



GEOGRAPHY

GEOGRAPPI2020

New DVD titles added

Made in consultation with **Bob Digby**

Carbon and W Cycles in the Mumbal's Sten Redevelopment Hot Deserts: Opportunities and Challenges







3

WHAT'S NEW AT PUMPKIN HQ?

2019's been a busy and exciting year at Pumpkin. We've managed to pack in producing four excellent new titles on Mumbai and the challenges of urbanisation (p6), followed by a filming trip to the Sahara culminating with the release this autumn of two NEW titles on deserts (see opposite page).

It was really sobering to be shown around a village engulfed by sand and see the reality of desertification faced by millions living on the desert fringes. But deserts offer many opportunities too. It was fascinating to film at the Game of Thrones' desert set, and see first hand how the film industry and tourism has boosted the local economy.

Back in the studio, we've been updating our website so we can now offer all our resources as digital downloads as well as DVDs. Perfect for that last minute cover lesson. We're also working on a new streaming site. More details to follow soon.

Grant Davies Director, Pumpkin





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Hot Deserts Rainforests/Ecosystems Carbon and Water Cycles Urban Environments Tectonic Hazards Climate/Weather Hazards

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"The Mumbai titles are a 'must have' for any department using Mumbai as a case study for GCSE or A level."

Tanith Ludlam, Bluecoat Beechdale Academy, Teaching Geography, 2019 Read reviews and watch preview of all our titles: www.pumpkin-interactive.co.uk

NEW 2019 Hot Deserts: Challenges and Opportunities

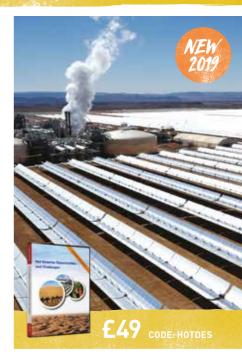
Using Morocco's Sahara desert as a case study this title considers the challenges of hot desert environments, including extreme temperatures, lack of water and inaccessibility. It then looks at the opportunities deserts can offer if these challenges can be overcome. Engaging case studies include: the world's largest solar plant, "Hollywood of the desert" film studios where Game of Thrones was filmed, large scale citrus irrigation schemes, mineral extraction and luxury desert tourism.

25 mins | 2019 | Age 14-19+

SUITABLE FOR: Hot Deserts | Fragile Environments

"Pumpkin's resources are great and the additional on-disc resources are excellent added value."

Steven Vaux, Marlborough College



NEW 2019 Desertification: Causes, Impacts and Management

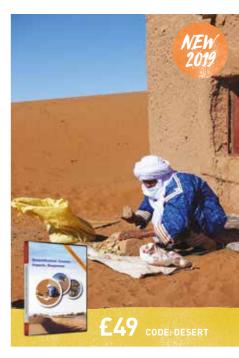
Yahya's nomadic family has been forced off their land on the fringes of the Sahara, because of desertification. Through his story, this title considers the impacts of desertification and its causes, including: climate change, population pressure, over abstraction of water, overgrazing and salinisation. It then considers a range of responses including tree planting, the use of appropriate technology and the introduction of sustainable water and soil management strategies.

25 mins | 2019 | Age 14-19+ SUITABLE FOR: Hot Deserts | Desertification |

Fragile Environments | Climate Change

"Well targeted to geography syllabuses and the interviews with experts and practitioners are a real strength."

David Anderson, Head of Geography, Eton College



4 Rainforests/Ecosystems



The Tropical Rainforest Ecosystem

Explore the physical characteristics of a tropical rainforest with this DVD. Filmed in the Amazon, it provides fantastic examples of adaptation, stratification and competition. The interdependence of climate, water, soils, plants, animals and people is clearly explained and the conditions that help create this biodiversity hotspot are considered.

24 mins | 2016 | Age 14-19+

SUITABLE FOR: Ecosystems | Tropical Rainforests | Biodiversity | Earth's Life Support Systems | Forests Under Threat



Tropical Rainforests: Threats and Challenges

This title considers the value of rainforest both locally and globally in terms of their goods and services. It then explores the causes of deforestation including logging, palm oil production and oil extraction. The impacts of deforestation on biodiversity, indigenous communities and climate change are then assessed.

25 mins | 2016 | Age 14-19+

SUITABLE FOR: Ecosystems | Tropical Rainforests | Biodiversity | Earth's Life Support Systems | Forests Under Threat



Biodiversity under Threat

With extraordinary footage of man-eating tigers and life in the Sundarban mangroves, this DVD provides a fantastic introduction to one of the most valuable ecosystems in the world. Exciting visual examples of biodiversity and adaptation will really grab students' attention. The threats facing the mangroves are explored, including climate change. It then evaluates a variety of sustainable management options including tiger conservation and eco-tourism.

42 mins | 2011 | Age 14-19+

SUITABLE FOR: Ecosystems | Biodiversity | Earth's Life Support Systems | Forests Under Threat



Tropical Rainforests: Sustainable Management

Ecuador needs to exploit the Amazon's resources to develop, so leaving it untouched is not an option. This resource considers the challenges of achieving sustainable management. It explores the political and economic factors and the role of businesses, governments, indigenous communities and NGOs. Examples include eco-tourism, bio-reserves, conservation and sustainable agriculture.

24 mins | 2016 | Age 14-19+

SUITABLE FOR: Ecosystems | Tropical Rainforests | Biodiversity | Earth's Life Support Systems | Forests Under Threat | Tourism

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Carbon and Water Cycles 5

Carbon and Water Cycles in Tropical Rainforests

Filmed in the Amazon and Borneo, this resource illustrates and explains the key environmental and land use changes occurring in tropical rainforests and explores the effect they're having on the carbon and hydrological cycles. We accompany scientists up flux towers as they monitor CO₂ emissions and find out why they're digging soil pits to examine decomposition rates. A fantastic case study to deepen students' understanding of carbon and water cycles.

25 mins | 2018 | Age 14-19+

SUITABLE FOR: Carbon and Water Cycles | Climate Change | Rainforests

"A comprehensive, well thought out and accessible resource that will be of use year after year for the study of Earth's life Support Systems."

Laura Giles, Head of Geography, Clifton High School



Carbon and Water Cycles in the Tundra

With stunning footage shot in the Canadian arctic, this DVD identifies and explores the physical and human factors, including climate change, that affect carbon and water cycles in the tundra. We see the research and monitoring techniques scientists are using to identify and record these changes and look at the reasons this data is gathered. The resource shows how these same techniques can be used by students as part of their own fieldwork investigations.

25 mins | 2018 | Age 14-19+ SUITABLE FOR: Carbon and Water Cycles | Climate Change

"Pumpkin consistently produces high quality educational documentaries"

David Lambert, Professor of Geography Education, IOE



6 Urban Environments



Urbanisation and Megacities: Mumbai

Using Mumbai as a case study this title explores the reasons for rapid urbanisation in LICs/NEEs and the emergence of megacities. It looks at the location and importance of Mumbai, nationally, regionally and internationally and considers the causes of urban growth, from both natural increase and rural to urban migration. It then goes on to illustrate the challenges, opportunities and inequalities found within a megacity.

25 mins | 2019 | Age 14-19+

SUITABLE FOR: Megacities | Urban challenges | Changing places | Inequality

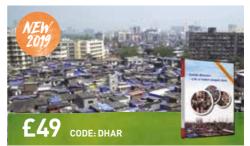


Mumbai's Slum Redevelopment: Bottom up or top down?

The challenge for Mumbai's planners is to improve the conditions for the urban poor while at the same time making sure social communities in the slums are protected. This programme evaluates the pros and cons of different strategies used in this megacity to improve the lives of its slum dwellers including; incremental housing improvements, re-settlement and re-development.

15 mins | 2019 | Age 14-19+

SUITABLE FOR: Megacities | Urban growth | Changing places | Inequality



Inside Dharavi — Life in India's largest slum

Using Mumbai, this title looks at the challenges created by urban growth. It provides a clear visual illustration of life inside India's largest slum, Dharavi, and the struggle residents face accessing adequate housing, clean water, sanitation, electricity as well as services like education and health. It also considers the opportunities created by urban growth in terms of improved access to jobs, services and a better education.

30 mins | 2019 | Age 14-19+

SUITABLE FOR: Megacities | Urban challenges | Changing places | Inequality



Mumbai: Managing a Megacity

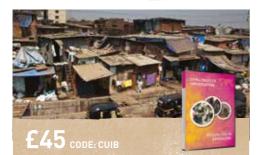
Waste management and traffic congestion are two of the biggest environmental issues facing Mumbai's urban planners as they struggle to meet the challenge of this megacity's rapid growth. This title looks at the steps Mumbai is taking to make the city more sustainable and asks can a new Metro system be the answer to the city's traffic problems?

30 mins | 2019 | Age 14-19+

SUITABLE FOR: Megacities | Urban growth | Changing places | Inequality

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Urban Environments



Challenges of Urbanisation: Inequalities in Bangalore

A fantastic case study of an Indian megacity, that creates a real sense of place. This video examines the causes of urban growth, including migration and the opportunities and challenges this has created. The development of slums and the pressure on water supplies, sanitation and health services are all covered.

27 mins | 2009 | Age 14-19+

SUITABLE FOR: Changing Cities | Urban Futures | Megacities | Urbanisation | Globalisation



Emerging Superpower: India's Booming Bangalore

Known as the Silicon Valley of India, what are the causes of this megacity's success? Globalisation, government deregulation and education are all considered. The video then examines the social, economic and environmental impacts of this growth, before exploring how pollution, traffic congestion and access to services are being improved.

37 mins | 2009 | Age 14-19+

SUITABLE FOR: Changing Cities | Globalisation | Changing Economic World



Regenerating a City: The Rebranding of Glasgow

Explore the redevelopment and re-branding of Glasgow from its economic and social decline to its present day rebirth. This resource discusses the causes and effects of urban decline and economic change and assesses the strategies being used in Glasgow for urban renewal and the creation of sustainable communities.

31 mins | 2007 | Age 14-19+

SUITABLE FOR: Dynamic Cities | Changing Cities | Urban Challenges | Changing Places



The 2012 Olympics and East London's Regeneration

Use this resource to investigate whether the Games has helped regenerate East London and to what extent it has benefitted socially, environmentally and economically. A fantastic case study for urban geography, that talks to local residents, businesses and politicians and asks: what is the legacy of the London 2012 Olympics?

40 mins | 2010 | Age 14-19+

SUITABLE FOR: Dynamic Cities | Changing Cities | Urban Challenges | Changing Places

8 Tectonic Hazards



The Haiti Earthquake: Impacts and Responses

A great resource to exemplify the effects of a geohazard in an LIC. Using footage filmed straight after the 2010 earthquake and in the three years following, the resource explores the primary and secondary impacts of the quake. The DVD then looks at a range of short and long term responses, including projects aimed at: reducing the outbreak of cholera, improving the housing situation, reducing vulnerability and strengthening livelihoods.

45 mins | 2013 | Age 14-19+ SUITABLE FOR: Tectonics | Hazards | Development

"Pumpkin DVDs are the most effective resource for classroom use for both stimulating interest and developing students' deeper conceptual understanding."

> John Lyon, former Programme Manager, the Geographical Association



Tectonics: Processes and Landforms

Provide your students with fantastic visual case studies and explanations of the processes and features that occur at different plate margins. With examples drawn from Iceland, Montserrat, Haiti, the Alps and the UK, this resource looks in detail at a range of volcanic processes and landforms. Illustrations are provided of calderas, fissure eruptions and dome, shield and stratocone/ composite volcanoes. The development of plate tectonic theory is also explored.

30 mins | 2013 | Age 14-19+ SUITABLE FOR: Hazards | Tectonics

> **"The tectonics series is superb."** Mark Ollis, Head of Geography, St Bees School

Montserrat: Living with Volcanoes

A perfect case study of a volcano in an LIC. The resource provides a clear explanation of the processes causing Montserrat's recent volcanic activity. It then assesses the social, economic and environmental impacts of the continuing eruptions. The likelihood of Montserrat becoming self-sufficient is explored with sections looking at: the potential of Montserrat's tourist industry; strategies for disaster response and preparedness; and projects to improve biodiversity.

45 mins | 2013 | Age 14-19+

SUITABLE FOR: Hazards | Tectonics | Geographical Debates

Iceland: Living with Volcanoes In 2010, Iceland's Eyjafjallajokull volcano erupted causing

In 2010, Iceland's Eyjafjallajokull volcano erupted causing enormous disruption to air travel across Western Europe and severe problems to people living in the area. This DVD explores the impacts of the eruption, both locally and globally. It then examines the responses to it, including the role of emergency planning, early warning systems and the development of better ash forecasting.

42 mins | 2013 | Age 14-19+ SUITABLE FOR: Tectonics | Hazards | Energy

"Pumpkin DVDs are high quality and informative."

Jacqui Wood, Head of Geography, Moira House Girls School

Geohazards: Monitoring and Prediction

Filmed with scientists working on some of the world's most active plate systems, you'll see how rapid response radar trailers and helicopters are used to record and analyse geohazards using some of the most up to date technology. Explore how this information is used to plan, predict and protect against future hazard events.

30 mins | 2013 | Age 14-19+ SUITABLE FOR: Hazards | Tectonics | GIS







10 Climate/Weather hazards



Climate Change

The impact of climate change can be hard to see in the developed world, but as our case studies from the Arctic, Greenland, Iceland, Africa, India and China show, it's already a reality for the poorest and most vulnerable. The DVD explores the causes of climate change and asks to what extent these are natural or the result of human activity.

30 mins | 2014 | Age 14-19+

SUITABLE FOR: Climate Change | Hazards | Environmental Challenges | Geographical Debates



Tropical Storms: Bangladesh's Cyclone Aila

The physical processes that lead to the formation of cyclones are clearly explained and the primary and secondary impacts explored through first hand accounts. Management strategies to reduce long and short-term impacts are assessed including the role of GIS and projects aimed at strengthening livelihoods and reducing vulnerability.

33 mins | 2010 | Age 14-19+

SUITABLE FOR: Weather | Hazards | Environmental Challenges



Extreme Weather: The UK's 2013 Winter Storms

Storm surges, heavy rainfall, strong winds and high spring tides – this DVD explores the causes and effects of the UK's extreme weather events of winter 2013, including the East Coast storm surge and the collapse of the railway line at Dawlish on the south coast. With footage shot during the storms, the impacts are clearly illustrated. The contrasting management techniques adopted to reduce future risk are then evaluated.

30 mins | 2015 | Age 14-19+

SUITABLE FOR: Coastal Landscapes and Processes | Flooding | Weather | Hazards



Extreme Weather: The Somerset Floods

Explore the physical and human causes of the Somerset floods with this engaging resource. Then consider their impact on people's lives, the environment and property, before assessing how both hard and soft engineering options are being used to improve resilience to future flood events.

30 mins | 2016 | Age 14-19+ SUITABLE FOR: Flooding | Extreme Weather | Hazards | Rivers

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Glaciation/Landscapes 11



The UK's Changing Landscapes

Use this programme to explore what makes landscapes distinctive in the UK. It provides an overview of the characteristics and uses of the UK's areas of upland and lowland landscapes. Through the use of case studies, this DVD contextualises how climate, geology and human activity have worked together in combination with geomorphic processes over millions of years to create the UK's diverse and distinct landscapes.

30 mins | 2016 | Age 14-19+

SUITABLE FOR: Landscape Systems | UK Landscapes | The Physical Environment | Geomorphic Processes



Glaciation: Processes and Landforms

For access to the very latest research and current thinking on glaciation, this resource is an absolute must. Using examples filmed in the UK, Iceland and the Alps and with the help of satellite images, graphics and interviews with leading glaciologists, this resource illustrates and explains the processes and landforms associated with glaciers.

40 mins | 2014 | Age 14-19+

SUITABLE FOR: Landscape Systems | Glaciation | Ice on the Land | UK Landscapes



Glaciation in the UK

How has ice shaped the UK landscape? What were the processes operating at differing scales and how have they been influenced by geology, climate and human activity? With examples drawn from around the UK this DVD provides illustrations and explanations for the different landforms and features associated with glaciation in the UK.

30 mins | 2015 | Age 14-19+

SUITABLE FOR: UK Landscapes | Glaciation | Ice on the Land



The Alps: Opportunities and Challenges

Filmed in the honeypot site of Chamonix in the Alps, this DVD looks at the social, economic and environmental opportunities and challenges facing the region. The resource explores the variety of activities in the area, including tourism, HEP and farming. It examines their impact, the conflicts that arise between them and how they can be sustainably managed within the context of a fragile environment.

30 mins | 2014 | Age 14-19+

SUITABLE FOR: Energy | Hazards | Fragile and Cold Environments | Tourism

12 Rivers



River Processes and Landforms

Explain the fluvial processes of erosion, transportation, and deposition and explore how they change throughout a river's course. With high quality footage filmed both in the UK and abroad, memorable examples are provided of: potholes, rapids, waterfalls, gorges, meanders, braiding, flood plains and deltas.

31 mins | 2013 | Age 14-19+ SUITABLE FOR: Rivers | UK Landscapes | Distinctive Landscapes



Flooding in Bangladesh: Causes, Impacts & Management

A fantastic resource that explores the impacts of floods in an LIC. Physical and human causes at both a local and regional scale are assessed, as is the effect of climate change. Contemporary thinking about hazards is emphasised and memorable examples of hard and soft management strategies provided.

38 mins | 2010 | Age 14-19+

SUITABLE FOR: Rivers | Flooding | Hazards | Climate Change | Extreme Weather



Flooding in the UK: Tewkesbury

This DVD uses flood events in Tewkesbury to explore the physical and human causes of flooding and their effect on runoff, infiltration rates and storm hydrographs. Students are then encouraged to evaluate the social, environmental and economic impacts of flooding. The pros and cons of hard and soft management strategies are also considered.

37 mins | 2013 | Age 14-19+

SUITABLE FOR: Flooding | Extreme Weather | Hazards | Environmental Challenges | Rivers

Coastal Processes and Landforms

Taking a systems approach and using UK examples, this DVD illustrates and explains the coastal processes of erosion, transportation, deposition, weathering and mass movement that create coastal landforms. Case studies include Lulworth Cove, Durdle Door, Old Harry Rocks, Flamborough Cliffs and Slapton Ley.

38 mins | 2012 | Age 14-19+ SUITABLE FOR: The Coastal System | Landscape Systems | UK Landscapes



Holderness: Sustainable Coastal Management

Use this resource to explore the processes that have created the different landforms found along the Holderness coastline. Then discuss the challenges facing stakeholders, of managing and living with this changing coastline. Applicable throughout secondary.

32 mins | 2008 | Age 14-19+

SUITABLE FOR: Coastal Change and Conflict | Coastal Landscapes and Processes | UK's Changing Landscapes

"An excellent DVD which many teachers would find useful."

Teaching Geography

Managing the Dorset Coast: Conflicts, Challenges and Opportunities

The Jurassic Coast is one of the UK's most popular stretches of coastline. Explore the values, needs and impacts of the different players who use this area, before assessing the sustainability and success of the different strategies that have been put in place to manage it.

41 mins | 2012 | Age 14-19+

SUITABLE FOR: Coastal Change and Conflict | Coastal Landscapes and Processes | UK's Changing Landscapes





14 Energy



Global Energy Security

Provide students with contrasting examples that illustrate how different countries are tackling energy security. How are Eastern European geopolitics affecting EU energy policy? What are the pros and cons of China's reliance on coal? And what are the risks and rewards of opening up previously untapped reserves?

30 mins | 2014 | Age 14-19+

SUITABLE FOR: Resource Management | Consuming Energy Resources | Energy Security



The Greening of Energy

Examine the pros and cons of renewable energy with this title that draws examples from the UK, India and Europe. The de-carbonisation of energy is discussed; and the importance of reducing consumption and improving efficiency explored. Tidal, HEP, Wind, Solar, Biomass and Biogas are all considered.

30 mins | 2015 | Age 14-19+

SUITABLE FOR: Resource Management | Environmental Challenges | Consuming Energy Resources | Energy Security



Debating Energy Futures - Coal, Gas and Nuclear

How important will coal, gas and nuclear be in the future global energy mix? What are the pros and cons of fracking in the US and in the UK? Can coal, the dirtiest fossil fuel, be cleaned up? And why is nuclear still an attractive option for some countries?

45 mins | 2015 | Age 14-19+

SUITABLE FOR: Resource Management | Environmental Challenges | Consuming Energy Resources | Energy Security



Energy Security: India's Sustainable Solutions

As India struggles to meet its growing energy needs, this resource assesses the pros and cons of two renewable energy options. Explore the benefits of large-scale electricity generation schemes like Asia's biggest wind farm and see how appropriate biogas technology can help close the development gap.

28 mins | 2009 | Age 14-19+

SUITABLE FOR: Resource Management | Consuming Energy Resources | Energy Security

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Migration/Globalisation 15

Population Change: Migration to the UK

This resource explores the causes and impacts of recent migration to the UK. A Latvian farm worker, Kurdish asylum seeker and an illegal immigrant from West Africa explain their different reasons for migrating to the UK. This resource encourages students to look beyond the headlines and gain a deeper understanding of migration.

40 mins | 2008 | Age 14-19+ SUITABLE FOR: Global Connections | Population | Migration



Issues in Globalisation: Environmental Impacts and Sustainability

Contrast the environmental impacts of the textile industry in two countries of differing economic development. In Bangladesh, slum residents explain how industrial pollution damages their environment and health. In the UK, a company sited in a national park demonstrates how it reduces pollution by recycling energy and waste.

25 mins | 2011 | Age 14-19+

SUITABLE FOR: The Changing Economic World | Globalisation

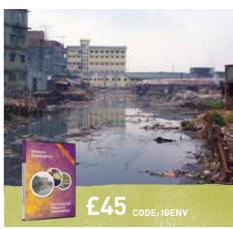
Issues in Globalisation: How Fair is Fashion?

Using the international textile industry as a case study this resource asks: what is globalisation, what are the causes and effects, who benefits and what is the role played by TNCs? The working and living conditions of textile factory workers in Dhaka are compared with those employed by a small Bangladeshi fair trade fashion initiative.

26 mins | 2011 | Age 14-19+

SUITABLE FOR: The Changing Economic World | Globalisation

"A hugely beneficial resource that is exciting, visual and up to date." Trish West, Red Maid's School





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