Coastal landscapes – investigation of coastal processes through landscape evidence		Topic 8: Geograph	ical investigations – UK challenges	8.3 The UK's	The management of the UK's National Parks is divided into
1 Formulating enquiry questions	An enquiry question should relate to a geographical theory and/or example. A key question or hypothesis follows on from the enquiry to be tested. For example:	Specification key ideas	Key content	landscape challenges	different categories – habitats, biodiversity, climate change and historical environments. Approaches to conservation and development include:
	Why does beach morphology Happisburgh change? A key question that follows on from this could be: Does sediment size and shape change along the North Norfolk Coast?	8.1 The UK's resource consumption and environmental sustainability challenge	The UK is becoming overpopulated. By 2030, the UK's population is expected to exceed 70 million owing to natural increase and migration. This will put further strain on natural resources and ecosystems. Pressure on ecosystems comes from: • building on greenfield sites		using renewable energy sources river restoration projects using electric bikes to reduce the number of cars on roads extending National Parks – the Lake District National Park was expanded in 2016, for example, and there are plans for further expansion. Views on this have been mixed though
2 Fieldwork methods and techniques	A hypothesis could be: Sediment size increases from Happisburgh to Sheringham. Fieldwork data collection must include at least: one quantitative fieldwork method to measure beach shape and sediment characteristics – quantitative methods record data that can be measured as numbers (for example, using ranging poles and a clinometer to measure beach gradient) one qualitative fieldwork method to record the landforms that make up the coastal landscape – qualitative methods record descriptive data (for example, field sketch of the cliff line). Secondary data is data that somebody else has already collected.	8.2 The UK settlement, population and economic challenges	the destruction of natural habitats and declining biodiversity pressure on water supply and quality increased food production intensifying agricultural practices. Solutions to tackling sustainable transport include: increased public transport options congestion charging and park-and-ride schemes promoting the use hybrid and electric cars. A 'two-speed economy' refers to the uneven growth of the UK economy, with the South East developing fastest. A possible solution to help close the gap between the South East and the rest of the UK is to improve transportation links. For example, HS2. Costs and benefits of greenfield development and the regeneration	8.4 The UK's climate change	and some residents and community groups may be concerned about increased visitors and traffle pollution, as well as rising house prices due to the popularity of owning second homes in National Parks. However, the local economy may benefit from increased spending by tourists in local businesses, which could create more jobs for local residents. The Environment Agency is responsible for the management of the UK's rivers and coasts. Approaches to managing the UK's river and coastal flood risk include: monitoring and early warning systems soft and hard engineering stricter building regulations afforestation. The UK's future climate could see temperature rising between 2°C and 4°C, an increase in precipitation and more extreme weather
sources For example, a geology map from British Geological Survey and Environment Agency. Topic 7B: Investigating human environments (central/inner urban area OR rural settlements)			of brownfield sites are listed below. Greenfield benefits Brownfield benefits • Cheaper land to develop • Infrastructure already	challenges	events, although there is uncertainty around these projections. Climate change could result in rising sea levels causing coastal flooding. This will increase the rate of erosion on coasts, at a cost to the economy. Temperature increases could cause more frequent heatwaves, leading to longer periods of drought in the UK.
Changing city environments – investigating change in central/inner urban area(s)			More space exists Improvement to		This will affect food production and human health. UK responses to climate change
1 Formulating enquiry questions	An enquiry question should relate to a geographical theory and/or example. A key question or hypothesis follows on from the enquiry to be tested. For example: How does the quality of the urban environment vary along a transect through the south-west of Norwich?	_	Costs Loss of valuable farmland Disruption to wildlife habitats Abitats Abitats Restricted development contaminated		Local scale – Individuals can reduce their carbon footprint by walking more or using public transport, recycling waste and installing energy efficient devices. National scale – The government can invest in more sustainable practices, such as renewable energy.
2 Fieldwork	A key question that follows on from this could be: Does environmental quality improve with increasing distance from the CBD? A hypothesis could be: Environmental quality improves with distance from the CBD. Fieldwork data collection must include at least:		UK net migration has increased since 1970. During 2015, net migration was over 300,000 people. However, it is difficult to collect data about migration accurately and data from different sources varies, so net migration statistics may not be reliable. Stakeholders have different views towards migration into the UK. Some businesses welcome migrant workers to increase the workforce. Local councils have concerns about providing healthcare	coasts have co Your Ur	mber, you will be answering the section, as that is where we completed our fieldwork. Urban Investigation will be an our local area.
methods and techniques 3 Secondary data	one quantitative fieldwork method to measure the land use function (quantitative methods record numbers that can be measured as numbers for example, land use mapping) one qualitative fieldwork method to record the quality of the environment (qualitative methods record descriptive data for example, field sketch). Secondary data is data that somebody else has already collected for example, census data from the Office for National Statistics and Multiple Deprivation Index.		and education. Some people believe migrants reduce the number of jobs available. Note: research has shown that migration has had little or no impact on the average employment and unemployment of UK-born workers (Source: The Migration Observatory, University of Oxford)		

