3.2 Challenges in the human environment Year 5

3.2.1 Urban issues and challenges

Key idea	Specification content	Case studies Homework	Learning activity and resources
Effective note taking			https://www.youtube.com/watch?v=WtW9IyE04OQ How to take Cornell notes https://www.youtube.com/watch?v=pZgMpjjgCRA Improving Cornell Notes With Sketchnoting Techniques
A growing percentage of the world's population lives in urban areas.	The global pattern of urban change. Urban trends in different parts of the world including HICs and LICs. Factors affecting the rate of urbanisation - migration (push - pull theory), natural increase. The emergence of mega-cities.		Use of GIS/web to show change over time eg Unicef urban population map Worldmapper website Interactive 3D maps can be found at McKinsey & Company website Students could annotate base world map for notes. Teach processes and terminology, producing a table with terms relevant to each continent and why.
Urban growth creates opportunities and challenges for cities in LICs and NEEs.	**A case study of a major city** in an LIC or NEE to illustrate: the location and importance of the city, regionally, nationally and internationally causes of growth: natural increase and migration how urban growth has created opportunities:	LIC: Nigeria - Lagos	Begin with reference back to maps at start and continent view leading to a reducing scale and focus. Use documentary/film footage to convey 'sense of place' which provides important link to new A-level content eg BBC ' Welcome to Lagos' https://www.youtube.com/watch?v=HQZFy0K5v0I https://www.youtube.com/watch?v=wPSM9NdilyU Lagos: Africa's Fastest Growing Megacity (2014) C4 'Slumming it'

	social: access to services – health, education; access to resources - water supply, energy		BBC 'Welcome to Rio'
	economic: how urban industrial areas can be a stimulus for economic development.		Make clear and organised/classified notes eg using Cornell note system to focus use of video.
			Provide printed and textual resources from which info has to be extracted (paper 3 skill)
	how urban growth has created challenges:		GIS/Google Earth
			Use A3 case study sheet to condense key info.
	managing urban growth - slums, squatter settlements		
	providing clean water, sanitation systems and energy		
	providing access to services - health and education,		
	reducing unemployment, crime		
	managing environmental issues - waste disposal, air and water pollution, traffic congestion.		
	An example of how urban planning is improving the quality of life for the urban poor.	Rio de Janiero – Rochina – Self-help Schemes/Favela Bairro Project Slum Dwellers International (SDI)	

Urban change in cities in the UK leads to a variety of social, economic and environmental opportunities and challenges.	Overview of the distribution of population and the major cities in the UK. A case study of a major city in the UK to illustrate: the location and importance of the city in the UK and the wider world impacts of national and international migration on the growth and character of the city how urban change has created opportunities: social and economic: cultural mix, recreation and entertainment, employment, integrated transport systems environmental: urban greening how urban change has created challenges: social and economic: urban deprivation, inequalities in housing, education, health and employment environmental: dereliction, building on brownfield sites, waste disposal the impact of urban sprawl on the rural-urban fringe and the growth of commuter	London, Manchester, Liverpool,	topological mapping to give an overview of the UK. Looking at distribution of cities in the UK. Proportional circles added to map population (skills). Case study of a major city. Geographical Association website- Walking guides of cities Alternatively, use of documentary footage of cities - BFI Britain on Film series to look at the changing character of British cities overtime. Use Cornell note structure to interrogate video or students write diary extracts to look at city and its importance. Or living graph exercise of notable moments in history of the chosen city case study. Pictures, text, event located on a timeline teacher taught - opportunities created by urban areas. Annotated photos located around a map (GIS). Use of Guardian data blog for resources or to create a mystery activity "Why are the cities the place to be?" Guardian website – Cities and news datablog Alternatively, clear structured case study - location map, key facts and information - pictures before and after - problems identified and solutions offered by the project. Using the previous case study as source material, students draw out the challenges that were tackled by the regeneration project. Group them, classify and colour code within the case study.

	settlements. An example of an urban regeneration project to show: reasons why the area needed regeneration the main features of the project.	Liverpool docks	
Urban sustainability requires management of resources and transport.	Features of sustainable urban living: • water and energy conservation • waste recycling • creating green space. How urban transport strategies are used to reduce traffic congestion.	London, Manchester, Cambridge, Curitiba, Freiberg,	Pictures of the sustainable areas added and annotated to draw out features. Design posters showing how cities can conserve water and energy Look at transport solutions in Curitiba Brazil and Manchester Metrolink