## **UNIT 4 Population Change**

Recommended Prior Knowledge None is essential although some of the concepts will be familiar from IGCSE.

**Context** Population studies depend upon an understanding of its structure and the factors which contribute to its growth. There will be close connections with the Settlement Dynamics unit as population change may impact on settlement growth change and pattern.

**Outline** The elements of growth are the starting point. However, the appreciation that movement is an integral aspect of growth and change is essential. Without the link between the population and resources however, the study is merely academic so an understanding of the final section is fundamental to this unit.

Content	Objectives	Terminology	Teaching Strategies (TS) and Activities (A)	Resources
Population Growth (1.1)	<ul> <li>Knowledge and understanding of natural increase/decrease of population</li> </ul>	Crude Birth rate Crude Death rate Fertility rate Mortality rate Natural increase	TS Introduce the idea of overall population growth/decline through the equation Pop change = Natural increase/decrease +/- migration.	Carr p.5-v.good definitions Prosser p.154 Chrispin p.48-50 Very good on all definitions Witherick p.270
			<b>Bath tub analogy.</b> Taps=birth rate plughole =death rate. Level up/down according to the ratio. Overflow=migration. Always a great success!	
			Introduce basic terminology: birth rate, death rate, mortality, fertility rates, fecundity rates and replacement level.	Guinness and Nagle p.174-182 Bowen and Pallister p.147-50
	<ul> <li>Understanding of replacement level to maintain populations</li> </ul>	Replacement level.	Spatial distribution of growth rates, i.e. global distribution. Look at statistics to compare growth rates for different countries and groups of countries, e.g. MEDCs and LEDCs. A This could be an opportunity for students to practice interpretation of choropleth maps	Coverage on Pop change/ growth in: Hart p.127-130 Ross p.102-7 Carr p.4, 5, 7, 12, 14 Waugh p.357-360 Witherick P.271-5 Prosser P.159-161 Good on factors influencing
			Explanation of birth rates and death rates. Emphasise the	natural change.
	<ul> <li>Factors that influence birth rate</li> </ul>		time.	Chrispin p.53-4
	and death rate.		<b>NB. Gender</b> is also an important part of the population	Nagle has detail of age-specific

		change argument	birth rate p.229
			F
<ul> <li>Knowledge and</li> </ul>	Age-sex pyramid	Contrast Scandinavia and Continental Europe-pop decline	http://www.census.gov/ipc/www/i
understanding of		with LEDCs - rapid increase of pop.	dbpyr.html
contrasting pop			
structures		Could also consider rural and urban pyramids and regional	Carr P.8 Fig. 2.6
		variations. Eg.South coast of England with an ageing	Ross p.110-111
		population is narrow- based and relatively wide at the top.	Hart p.132-135
			Guinness and Nagle p.183-185
			Nagle p.228
	<b>_</b>		Waugh p.353-4
	Demographic	Structure of population	Prosser p.163-4 Four very good
	transition	<b>IS Population pyramids. Description</b> -Compare two basic	contrasting pyramids
	Infont mortality	snapes wide based-steep sided, low, harrow topped	Chrispin p.55
	roto	bigher wider tenned pyramid of MEDCa	
	l ife expectancy		Carr p 11 and 12
	Dependency ratio	Annotate with explanation and discuss the characteristics	Ross n 112 Both these books
	Age specific	showing higher pyramid= longer life expectancies	are detailed on ageing
	birth/death rate		populations
	cohort	Consider a range of different pyramids which have	
		particular characteristics illustrating the following factors for	
		instance:	Witherick p.281 Fig. 21,22
		Influence of wars, baby booms, HIV/AIDS etc. e.g. France,	Chrispin p.51 Fig.3.24
		UK, African states. Also stage of technological	P.52 Fig 3.25
		development.	Waugh p.350-a range of
		NB Remember to include migration as part of the	countries considered
		reasoning.	Nagle p.230
		Ageing populations	
<ul> <li>Historical growth of</li> </ul>		Historical Perspective	
population		The demographic transition	
		A model to show the stages in population growth over time.	http://www.uwmc.uwc.edu/geogr
		TS. Annotated diagram can be the best way to approach	aphy/Demotrans/demtran.htm
		the model.	
		A. Students should draw it for themselves. It concentrates	Bowen and Pallister p.151
		their minds and engages them directly with the	Limitations and good detail

		material. Emphasise the fact that it is a model-simplification of reality,	about each phase Prosser p156 fig.5.12
		application to the UK and China.	Guinness and Nagle p.165 fig
		Consider the pros and cons of the model. (This critical	7.6
		appraisal is important and may be examined) Take	Hart p131 Fig.5.16 Limitations
		into consideration application to cities as well as	p.132
		countries and remember that the model does not	Ross P.108 Fig 4.10
		have migration built in.	Carr P.28 Very good on
			limitations-links to
		A. Compare pop pyramids for each stage of the model See fig 1 .Describe and explain main	development too.
		features	Chrispin P.51
		B. Consider different methods of depicting the transition. Discussion point. See Fig 2.	Nagle p.232 Pakistan Guinness and Nagle p.171
	Dre notalist		Brazil and China p.186
	Anti notolist	and where the case study fits into the demographic	Carr p.20-3 China and Tanzahia
	nolicy	transition. As it is likely that one study does not	Prosser p 157-8 China and
	policy	cover all in the same detail it is advised that one	Botswana p 162
		MEDC and one LEDC is considered. Ideally one	Witherick p.275-7 India
		country with a pro-natalist and one with anti-natalist	Ross P.116 – 18 China and
		policy	Singapore
Migration	Migration	Relationship to population change should be borne in mind	
(1.2)		throughout the teaching of this unit and mentioned	Carr p.50
		frequently.	Bowen and Pallister p.156
		Definition of minution to evolute helideus and	Chrispin p.60
		Definition of migration to exclude holidays and	vvaugn
		termed circulation rather than migration). Migration should	Prosser P 165-177
		involve a more or less permanent change of residence	Hart n 142-144
			Waugh p.368
		TS. Pattern of migration-global, continental, national	
		scales. le. Macro-meso and micro scales. Good	
		introduction is via a world map.	Bowen and Pallister p.166 Fig. 1

		A .Describe the patterns and then attempt to explain them.	Chrispin p.66-7 and 76-7 Bowen and Pallister p.159
<ul> <li>Knowledge of meaning of migration</li> <li>Knowledge of types of migration leading to classification</li> <li>Case Studies to illustrate basic principles</li> </ul>	Voluntary Forced source area receiving/host area internal international migration tent cities refugees asylum seeker economic migrant	Causes. Physical, social, economic historical factors influencing migration. Out of that discussion a need for classification may evolve. Challenge the students to think of reasons for the global patterns of migration and then see if they can suggest some reasons. Often it is a good idea to set some preparatory reading so that they have the foundations on which to build in the lesson. Classification of migration forced and voluntary. Examples. Consequences. Impact of migration-source areas and receiving areas Fig 1. The World of Refugees	Carr p.51 very good comprehensive table Nagle p.237 Witherick p.283 Bowen and Pallister p.169 Guinness and Nagle p.189 Fig.1 The World of Refugees
		A. This lends itself to a sorting exercise, where students discuss and classify a number of examples of migration. This could include causes, push, pull factors and consequences and/or specific examples of migration. In sorting the different elements, useful discussion usually occurs and may generate further enquiries.	
<ul> <li>Understanding of reasons for migration in relations to an</li> </ul>	Mobility Push-pull factors	TS Who migrates? Consider the characteristics of the individuals who migrate. Behavioural model of migration	
individual and mass migration	stepwise migration intervening obstacles	Definition of mobility i.e. the ability of an individual to move/migrate from one area to an another. Reflects his/her socio-econ status, physical and psychological make-up. Fig. 2 Migrability Processes of migration	Fig.2 Migrability Witherick p.287 Ross p.128-9 Chrispin p.61-3 Nagle. P.236 Witherick p.285

Different ways in which geople migrate. Theories and model: Lee's migration model. Can be related to types of migration. Rural-urban migration -LEDCs Urbar-trat/counter-urbanisation-MEDCsRoss p.128-9 Chrispin p.73Case be related to types of migration. Rural-urban migration -LEDCs Urbar-trat/counter-urbanisation-MEDCsProsser p.174. Hart p.148-9Nagle p.238 Witherick .p.292-3, Prosser 171Nagle p.238 Witherick .p.292-3, Prosser 171Leg. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. KosvoRoss p.137-8Natural disasters e.g., Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary decomic migration e.g. Mexico to US Bowen and Pallister p.161-2 Bowen and Pallister p.167 Ros p.139-142 Carr p.65-7Useful web sites Malaysia UK migration Africa-intercontinental migration Harare-urral/urban migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Harare-urral/urban migration A. for so			
Theories and models:Chrispin p.73Leve's migration model.Can be related to types of migration.Rural-urban migration -LEDOsProsser p.174. Hart p.148-9Urban-rural/counter-urbanisation-MEDOsNagle p.238 Witherick p.292-3,Case Studies- can be related to different aspects ofmigration e.g. forced / voluntary long/shortdistance, national/intercontinental/international.Prosser 171E.g. Internal migrationChrispin p.73Waugh p.238Witherick p.290Yourday economic migration e.g. forced / voluntary long/shortChrispin p.64-5 Ross p.134-6Chrispin p.64-5 Ross p.134-6Carr p.65-70Bowen and Pallister p.161-2Emigration Culture e.g. IrelandBowen and Pallister p.167 RosCultural diversification e.g. Australiap.139-142Carr p.65-70Carr p.65-7Useful web sitesWww.reln.org.uk/geography.Waw.regreesUseful web sitesWaw.regreesUseful web sitesWaw.regreesUs ful web sites.Www.statistics.gov.ukWww.statistics.gov.ukWww.statistics.gov.ukWww.statistics.gov.ukWww.slan.org.uk/geography, which deals withwww.slan.org.uk/geography	1	Different ways in which people migrate.	Ross p.128-9
Lee's migration model. Can be related to types of migration. Rural-urban migration -LEDCs Urban-rural/counter-urbanisation-MEDCs Case Studies- can be related to different aspects of migration e.g. forced/ voluntary long/short tern, long/short distance, national/intercontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. Kosovo Natural disasters e.g. Monsterrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Lora, Artican states. Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Africa-intercontinental migration Africa		Theories and models: Stepwise-migration, gravity model.	Chrispin p.73
Can be related to types of migration. Rural-urban migration -LEOS Urban-traik/counter-urbanisation-MEDCS Case Studies- can be related to different aspects of migration e.g. forced/ voluntary long/short term, long/short distance, national/internotinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. Kosovo Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq. African states, Afghanistan Vietnameses boat people, Jewish people to Israel Indonesia 1900-49 N Africa-intercontinentaling Refugees US Internal migration Arrica-intercontinentaling A. for something a little different, there is a role play exercise on www.sh.org.uk/geography, which deals with migration in Italy.		Lee's migration model	
Rail-urban ingration – LEDCs Urban-rural/counter-urbanisation-MEDCs Case Studies- can be related to different aspects of migration e.g. forced/voluntary long/short term, long/short distance, national/intercontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. Kossov Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq. African states, Afghanistan Vietnames boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia US Internal migration Arfica-intercontinental migration Harare-rural/urban migration A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in taly.		Can be related to types of migration	
Rula alugar migrationProseip 1.74First proceedUrban-rural/vounter-urbanisation-MEDCsCase Studies- can be related to different aspects of migration e.g. forced/ voluntary long/short term, long/short distance, national/interontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. KosovoNagle p.238 Witherick p.292-3. Proseer 171Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary veconomic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Akstalia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migrationRoss p.137-8Carr p.62-3 Com Www.refugeescuncil.org.uk www.refugeescuncil.org.uk www.statistics.gov.ukCarr p.62-3 Carr p.65-7Us Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migrationUseful web sites www.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in taly.www.sln.org.uk/geography		Dural urban migration LEDCa	Dresser p 174 Hort p 149.0
Urban-tural/counter-urbanisation-MLBUSNagle p.238 Witherick .p.292-3. Prosser 171Case Studies- can be related to different aspects of migration e.g. forced/ voluntary long/short distance, national/intercontinental/intermational. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. KosovoNagle p.238 Witherick .p.290- 1 Waugh p.239Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq. African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia US Internal migration Africa-intercontinental migration Africa-intercontine		Rural-urban migration –LEDUS	Prosser p.174. Hart p.148-9
Case Studies- can be related to different aspects of migration e.g. forced voluntary long/short term, long/short distance, national/intercontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. KosvoNalge p.238 Witherick, p.292-3. Prosser 171Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migrationNalge p.238 Witherick p.290 Distribution action tables, Afghanistan Vietnamese p.139-142 Carr p.65-7 Carr p.65-7<		Urban-rural/counter-urbanisation-MEDCs	
Case Studies- can be related to different aspects of migration e.g. forced/ voluntary long/short term, long/short distance, national/intercontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. KosovoProsser 171Natural disasters e.g. Montserrat Employment gap filed. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental a litle different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.Prosser 171Case 5.0 Displacement in the state of the sta			Nagle p.238 Witherick .p.292-3,
migration e.g. forced/ voluntary long/short distance, national/intercontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. KosovoChrispin p.78-9 Witherick p.290 1 Waugh p.239Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinen		Case Studies- can be related to different aspects of	Prosser 171
distance, national/intercontinental/international. E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. Kosovo Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture g. Ireland Cultural diversification e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration A. for something a little different, there is a role play exercise on www.sh.org.uk/geography, which deals with migration in Italy. Chrispin p.64-5 Ross p.134-6 Chrispin p.64-5 Ross p.134-6 Chrispin p.64-5 Ross p.134-6 Chrispin p.64-5 Ross p.161-2 Bowen and Pallister p.161-2 Bowen and Pallister p.167 Carr p.60-1 Carr p.62-3 Carr p.65-7 Useful web sites www.spareroomsforrefugees com www.statistics.gov.uk www.statistics.gov.uk	l r	migration e.g. forced/ voluntary long/short term, long/short	
E.g. Internal migration in China. Remittances to source country e.g. Pakistan Ethnic cleansing e.g. Kosovo1 Waugh p.239Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq. African states, Afghanistan Vietnames boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africarintercontinental migrationWaugh p.239A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.Waugh p.239	(	distance, national/intercontinental/international.	Chrispin p.78-9 Witherick p.290-
Remittances to source country e.g. Pakistan Ethnic cleansing e.g. Kosovo Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Africa-intercontinental migration Africa-interconti		E a Internal migration in China	1 Waugh n 239
Keinitatric cleansing e.g. KosovoRoss p. 137-8Ethnic cleansing e.g. KosovoRoss p. 137-8Natural disasters e.g. MontserratEmployment gap filled. E.g. Turkish 'gastarbeiten' to GermanyChrispin p.64-5 Ross p. 134-6 Chrispin p.69-70Voluntary economic migration e.g. Mexico to USBowen and Pallister p.161-2 Bowen and Pallister p.161-2 Bowen and Pallister p.167 Ros p.139-142Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49Carr p.62-3 Carr p.65-7N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migrationUseful web sites www.statistics.gov.uk www.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.sln.org.uk/geography		Pomittancas to source country o a Pakistan	r Waagii p.200
Ethnic cleansing e.g. KosovoRoss p.137-8Natural disasters e.g. MontserratEmployment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Aktralia Refugees e.g. Iraq. African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Harare-rural/urban migration in Indonesia 1900, uww.sln.org.uk/geography, which deals with migration in Italy.Ross p.137-8 Chrispin p.64-5 Ross p.134-6 Chrispin p.64-5 Ross p.134-6 Chrispin p.64-5 Ross p.137-8Natural disasters e.g. Montserrat Emigration culture e.g. Ireland Cultural diversification e.g. Mexico to US Bowen and Pallister p.161-2 Bowen and Pallister p.167 Ros p.139-142 Carr p.62-3 Carr p.62-3 Carr p.65-7Useful web sites Www.refugeecouncil.org.uk Www.spareroomsforrefugees comWeigration www.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.		Ethnia cleanaing a g Kasaya	
Natural disasters e.g. Montserrat Employment gap filled. E.g. Turkish 'gastarbeiten' to Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinental migration A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.Ross p. 137-8 Chrispin p. 64-5 Ross p. 134-6 Chrispin p. 69-70 Bowen and Pallister p. 161-2 Bowen and Pallister p. 167 Ros p. 139-142 Carr p. 60-1 Carr p. 62-3 Carr p. 65-7Useful web sites www.refugeecouncil.org.uk Www.spareroomsforrefugees comUseful web sites www.spareroomsforrefugees com	1	Ethnic cleansing e.g. Kosovo	
Natural disasters e.g. MontserratEmployment gap filled. E.g. Turkish 'gastarbeiten' to GermanyChrispin p.64-5 Ross p.134-6 Chrispin p.69-70Voluntary economic migration e.g. Mexico to USBowen and Pallister p.161-2Emigration Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Indonesia 1900-49Bowen and Pallister p.167 Ros p.139-142N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migrationUseful web sites www.spareroomsforrefugees comN. A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.sln.org.uk/geography			Ross p.137-8
Employment gap filled. E.g. Turkish 'gastarbeiten' to GermanyChrispin p.64-5 Ross p.134-6 Chrispin p.69-70Voluntary economic migration e.g. Mexico to US Emigration Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migration Africa in Italy.Chrispin p.64-5 Ross p.134-6 Chrispin p.69-70 Bowen and Pallister p.161-2 Bowen and Pallister p.167 Ros p.139-142 Carr p.62-3 Carr p.65-7Useful web sites www.refugees OGWith migration in Mirca-intercontinental migration Africa-intercontinental migration Africa in Italy.Useful web sites www.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.sln.org.uk/geography	1	Natural disasters e.g. Montserrat	
Germany Voluntary economic migration e.g. Mexico to US Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa on www.sln.org.uk/geography, which deals with migration in Italy.Chrispin p.69-70 Bowen and Pallister p.161-2 Bowen and Pallister p.167 Ros p.139-142 Carr p.60-1 Carr p.62-3 Carr p.62-7Useful web sites www.refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migrationUseful web sites www.spareroomsforrefugees com www.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.sln.org.uk/geography	[	Employment gap filled. E.g. Turkish 'gastarbeiten' to	Chrispin p.64-5 Ross p.134-6
Voluntary economic migration e.g. Mexico to US Emigration Cultura e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa- intercontinental migration Africa- intercontinental migration A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.Bowen and Pallister p.161-2 Bowen and Pallister p.167 Ros p.139-142 Carr p.60-1 Carr p.62-3 Carr p.65-7Useful web sites www.refugeecouncil.org.ukWww.spareroomsforrefugees com	(	Germany	Chrispin p.69-70
Emigration Culture e.g. Ireland Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Africa-intercontinental migration Africa-intercontinental migrationBowen and Pallister p. 167 Ros p. 139-142 Carr p. 60-1 Carr p. 62-3 Carr p. 65-7Useful web sites www.refugeecouncil.org.uk UK migration Africa-intercontinental migration Harare-rural/urban migrationWww.spareroomsforrefugees comA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.Www.sln.org.uk/geography	N	Voluntary economic migration e.g. Mexico to US	Bowen and Pallister p.161-2
Cultural diversification e.g. Australia Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migration A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.		Emigration Culture e.g. Ireland	Bowen and Pallister p 167 Ross
Refugees e.g. Iraq, African states, Afghanistan Vietnamese boat people, Jewish people to Israel Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migration A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.		Cultural diversification e.g. Australia	n 139-142
Netugees e.g. nat, Anital states, Alghanistan VietnameseCarr p.62-3boat people, Jewish people to IsraelCarr p.62-3Internal Economic redistribution e.g. Transmigration inCarr p.65-7Indonesia 1900-49N Africa to EuropeMalaysiaUK migrationUK migrationRefugeesUS Internal migrationAfrica-intercontinental migrationAfrica-intercontinental migrationwww.spareroomsforrefugeesComwww.statistics.gov.ukwww.statistics.gov.ukwww.statistics.gov.ukwww.unhcr.chwww.sln.org.uk/geography, which deals with migration in Italy.		Defugees e a Irag African states Afghanistan Vietnamese	$p_{100} + 2$
Doat people, jewish people to israelCarr p.62-3Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49Carr p.65-7N Africa to EuropeUseful web sitesMalaysiaUK migrationUK migrationwww.refugeecouncil.org.ukWK migrationwww.spareroomsforrefugeesUS Internal migrationafrica-intercontinental migrationHarare-rural/urban migrationwww.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.sln.org.uk/geography		heat neerle lewish neerle to level	
Internal Economic redistribution e.g. Transmigration in Indonesia 1900-49 N Africa to Europe Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migrationUseful web sites www.refugeecouncil.org.ukMalaysia US Internal migration Africa-intercontinental migration Harare-rural/urban migrationwww.spareroomsforrefugees comA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.unhcr.ch www.sln.org.uk/geography		boat people, Jewish people to Israel	Carr p.62-3
Indonesia 1900-49Useful web sitesN Africa to EuropeWww.refugeecouncil.org.ukMalaysiaWww.refugeecouncil.org.ukUK migrationWww.spareroomsforrefugeesUS Internal migrationAfrica-intercontinental migrationHarare-rural/urban migrationwww.statistics.gov.ukA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.sln.org.uk/geography		Internal Economic redistribution e.g. Transmigration in	Carr p.65-7
N Africa to Europe       Useful web sites         Malaysia       www.refugeecouncil.org.uk         UK migration       Refugees         US Internal migration       Africa-intercontinental migration         Africa-intercontinental migration       www.spareroomsforrefugees         A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch		Indonesia 1900-49	
Malaysia UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migrationwww.refugeecouncil.org.uk www.spareroomsforrefugees comA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.unhcr.ch www.sln.org.uk/geography	1	N Africa to Europe	Useful web sites
UK migration Refugees US Internal migration Africa-intercontinental migration Harare-rural/urban migrationwww.spareroomsforrefugees comA. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.www.unhcr.ch www.sln.org.uk/geography	1	Malaysia	www.refugeecouncil.org.uk
Refugees       www.spareroomsforrefugees         US Internal migration       Africa-intercontinental migration         Africa-intercontinental migration       www.spareroomsforrefugees         A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch		UK migration	
Notaget       US Internal migration         Africa-intercontinental migration       www.statistics.gov.uk         Harare-rural/urban migration       www.statistics.gov.uk         A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch		Refugees	www.spareroomsforrefugees.
Africa-intercontinental migration       www.statistics.gov.uk         Africa-intercontinental migration       www.statistics.gov.uk         Harare-rural/urban migration       www.statistics.gov.uk         A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch	1	US Internal migration	com
Anica-intercontinental migration       www.statistics.gov.uk         Harare-rural/urban migration       www.statistics.gov.uk         A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch		Africa intercentinental migration	
Harare-rural/urban migration       www.statistics.gov.uk         A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch	/		www.etetictice.cov.uk
A. for something a little different, there is a role play exercise on www.sln.org.uk/geography, which deals with migration in Italy.       www.unhcr.ch         www.sln.org.uk/geography       www.sln.org.uk/geography	1	Harare-rurai/urban migration	www.statistics.gov.uk
exercise on www.sln.org.uk/geography, which deals with migration in Italy.		A for something a little different, there is a role play	www.upber.cb
migration in Italy.		aversion on www. of or uk/aparaphy which does with	www.umor.on
migration in Italy. <u>www.sln.org.uk/geography</u>	e	exercise on www.sin.org.uk/geography, which deals with	and the second for a second
	r	migration in Italy.	www.sin.org.uk/geography

Population and Resources (1.3)		Carrying capacity Population ceiling Population boom and crash Famine	Look at relationship between population growth and growth of food production Compare arithmetic increase of food production with geometric increase of pop. Can be related to predator-prey relationships in animals or insects. Introduce idea of carrying capacity of land in relation to its population. Via a series of diagrams. By increasing the population level it can be seen that resources are exceeded. <b>Fig.3</b>	Waugh p.374 Carr p.34 Nagle p.239 - 241 Recommended
	<ul> <li>Appreciation of a debate between the pessimists and the optimists/ecologists v economists</li> </ul>	Over population Under-population Optimum population	Malthusian theory Consider Paul Simon's view (economist and optimist) v. Paul Ehrlich (environmentalist and pessimist) Lead into a discussion of consequences of rapid uncontrolled pop increase. Limitations of the theory <b>Solutions</b> • Manage pop growth.	Fig.3 Chrispin p.80-2 Chrispin p.82 Guinness and Nagle p.196-7 Ross p.114-5 Chrispin p. 83
	<ul> <li>Knowledge and understanding of basic concepts</li> </ul>	Sustainability Subsistence	<ul> <li>Increase production-land under cultivation/increase yield per acre.</li> <li>Introduce Boserup's more optimistic model of changing technology.</li> </ul>	Chrispin p.86-90 Chrispin p.83-4
	<ul><li>relating population to resources</li><li>Understanding of sustainability</li></ul>	farming Appropriate technology Intermediate technology	Look at the graph of pop in relation to GDP per head to ascertain concepts of optimum, over- and under – population. <b>TS. It is important that the case study material is</b> geared to the <u>control</u> of growth and the <u>management</u> of the results of change as stated in the syllabus	Nagle p.241 good source Waugh p.378 Carr p.35-6
		Desertification Pollution Quality of life Green Revolution Ecological footprints?	It is also important to understand that these are <u>relative</u> concepts; discovery of new resources/technology could relieve over-population whilst maintaining the same absolute numbers, but the <u>quality of life</u> would improve.	Case studies of Bangladesh- overpopulation and Canada Under-population. P.377.