Revision Checklist – Sustainable Living



	Revised for homework? (1)	Revised for homework? (2)	Revised in lesson?
Sustainability, sustainable community, sense of community.			
Renewable resources and non-renewable resources.			
Features of sustainable buildings.			
Features of sustainable communities.			
Is Eddington sustainable?			
Advantages and disadvantages of environmental quality surveys.			
Geographical skills.			

Coordinates



<u>Grid references</u>



<u>Distance</u>



<u>Percentages</u>



<u>Averages</u>

Writing tips



Revision tips





Sustainable Buildings (1 / 3)			
Core Knowledge	Revision Questions		
Humans need several things to live happy and healthy lives. These needs are social, economic and environmental.	What are the three aspects that humans need to live happy and healthy lives?		
Sustainability is meeting the social, economic and environmental needs of people today, without stopping people in the future from meeting their own needs.	What is sustainability?		
Humans need resources. Resources can be renewable and non-renewable.	What are the two types of resources?		
Renewable resources can be replenished (replaced) and will not run out. For example, wind and solar energy. This means that people now and, in the future, can use renewable resources to meet their own needs.	 What is a renewable resource? Give an example of a type of renewable energy. Why is renewable energy sustainable? 		
Non-renewable resources cannot be replenished (replaced) and will run out. Non-renewable energy comes from fossil fuels oil, coal and gas. Fossil fuels take millions of years to be created and cannot be replaced. This means that burning them all now would stop people in the future from using fossil fuel energy.	 What is a non-renewable resource? Give an example of a type of non-renewable energy. Why is non-renewable energy not sustainable? 		



more sustainable?

Core Knowledge Revision Questions Buildings can be designed to reduce non-renewable energy use: What is insulation and where is it usually added to Insulation can be added to the walls and roof. Insulation stops heat from escaping from the house. buildings? Double or triple glazing are windows made of two or three layers of glass with cavities (space) between them. How does adding insulation The cavities act as insulation so less heat escapes. make a building more sustainable? Large windows let lots of light into a building. This means that less energy is needed for artificial lighting. What is double or triple glazing and how does it make In the Northern Hemisphere, south facing buildings will receive more sunlight, reducing the need for artificial lighting and heating. a building more sustainable? Solar panels can be added to the roofs of buildings. These panels capture energy from the sunlight and How do large windows convert it into electricity. If houses generate more electricity than they need they can sell this to energy improve sustainability? companies to earn money. · Why are south facing Wind turbines convert wind energy into electricity. Wind energy is renewable. buildings (in the Northern Hemisphere) more These features are sustainable because less non-renewable energy is used. As a result, energy is saved for future sustainable? generations to meet their own needs. It is also sustainable because less money has to be spent on energy bills, helping people to meet their economic needs. What are solar panels and how do they make a building more sustainable? · What are wind turbines and how do they make a building



Sustainable Buildings (3 / 3)			
Core Knowledge	Revision Questions		
Other sustainable design features:			
Green roofs (also known as living roofs) are roofs that are partially or completely covered with plants. Green roofs provide habitats (homes) for wildlife. This is sustainable because it helps us to meet our environmental needs.	What are green roofs and how do they improve sustainability?		
Water butts can be added to gardens. Pipes collect rainfall and direct this into the butt where it is stored. This water can then be used for watering the garden. This helps meet our environmental needs.	What is a water butt and how does it make a building more sustainable?		
Dual flush toilet systems have two flush options – a full flush and a half flush. A half flush uses less water, reducing water waste. This saves water for future generations.	What is a dual flush?How are dual flush systems sustainable?		
Reclaimed materials are recycled materials that are reused. This reduces waste and means that fewer new materials need to be made. This is sustainable because it saves resources for future generations.	 What are reclaimed materials How does using reclaimed materials improve sustainability? 		



• How can schools, community

centres and local pubs and

restaurants help improve

sustainability?

Sustainable Communities		
Core Knowledge	Revision Questions	
A settlement is a place where people live. It will include different services such as shops, houses and doctors.	What is a settlement?	
A resident is a person who lives in a settlement.	What is a resident?What is a sense of community?	
A sense of community is a feeling of belonging where all people feel included.	What is a sustainable community?	
Sustainable communities are places which meet the social, economic and environmental needs of existing and future residents. They are fair and inclusive places with a strong sense of community.	How can transport help improve sustainability?	
There are many ways in which communities can be designed to be sustainable.	How can buses help improve sustainability?	
Settlements need transport so that people can go to work and meet their economic needs. Buses can transport large numbers of people at the same time. This reduces the number of private cars. As a result, less energy is used, saving it for future generations.	How can car sharing help improve sustainability?	
Cycle parks and cycle ways can make it easier and safer to travel by bike. Cycling does not use any energy, saving it for future generations. Cycling is a form of exercise, helping people meet their social needs.	How can cycle parks and cycleways help improve sustainability?	
An economically sustainable community needs to include places for people to work and places for them to shop. This reduces the need for them to travel outside the settlement.	How can communities be economically sustainable?	

• Schools, community centres and local pubs and restaurants can help to make a community more socially

sustainable. This is because they bring people together. This can help to create a sense of community.



Is Eddington sustainable?

is Eddington sustainable?		
Revision Questions		
 Where is Eddington? How does Eddington's location help it to be sustainable? What sustainability features have been included in the houses in Eddington? How does Eddington manage waste disposal and how does this help the area to be more sustainable? How do the open spaces at Eddington help improve sustainability? How does the local supermarket help improve sustainability? What community buildings are there in Eddington? How do they help improve sustainability? 		
How sustainable do you think Eddington is? Why?		



Core Knowledge	Revision Questions	
There are different ways of measuring how sustainable buildings are. An environmental quality survey (EQS) is one way.		
An EQS can be used to measure the quality or sustainability of a place or building. It is a technique used to try to describe how good or bad a place is. The place of building is given a score for each feature and these are then added up to give an overall score.	What is an EQS?	
Advantages of using an EQS are it is quick, cheap and easy to do. It doesn't need any specialised equipment. If the same person does the same EQS for different places/buildings then the scores can be compared with each other.	What are the advantages of using an EQS?	
Disadvantages of using an EQS are that it is subjective (not everyone will give the same scores), that the time of day can have a big effect on scores and that it can be hard to generalise answers as not all rooms within a buildings are the same.	What are the disadvantages using an EQS?	
EQS data can be shown on a map. This is a useful way of linking the data to the place in which it was collected.	How can EQS data be shown on a map?	