

| Resource Reliance  |   |   |   |   |
|--|---|---|---|---|
| Will we run out of natural resources?                        |   |   |   |   |
| Key Question   | Content   | R | A | G |
| How has increasing demand for resources affected our planet? | Outline the factors leading to demand outstripping supply of food, energy and water   |   |   |   |
|  | Overview of how environments and ecosystems are used and modified by humans including:  |   |   |   |
|  | Mechanisation of farming  |   |   |   |
|  | Commercial fishing to provide food  |   |   |   |
|  | Deforestation and mining to provide energy  |   |   |   |
|  | Reservoirs and water transfer schemes to provide water  |   |   |   |
| Can we feed nine billion people by 2050?                     |   |   |   |   |
| What does it mean to be food secure?                         | Understand the term 'food security' and the human and physical factors which influence this   |   |   |   |
|  | How world patterns of access to food are illustrated, such as the world hunger index and average daily calorie consumption                          |   |   |   |
|  | Investigate the differences between Malthusian and Boserupian theories about the relationship between population and food supply                    |   |   |   |
| How can countries ensure their food security?                | Investigation of statistics relating to food consumption and availability over time.  |   |   |   |
|  | The success of one attempt in helping achieve food security at a local scale such as food banks, urban gardens and allotments. Goat Aid in Tanzania |   |   |   |
|  | The effectiveness of one past attempt to achieve food security at a national scale Tanzania's wheat programme.                                      |   |   |   |
|  | The effectiveness of one present (SAGCOT) attempt to achieve food security at a national scale.   |   |   |   |
| How sustainable are these strategies?                        | Explore the environmental, economic and social sustainability of attempts to achieve food security, in relation to:                                 |   |   |   |
|  | ethical consumerism, such as fairly traded goods and food waste   |   |   |   |
|  | food production, such as organic methods and intensive farming  |   |   |   |
|  | technological developments, such as GM crops and hydroponics  |   |   |   |
|  | small scale 'bottom up' approaches, such as urban gardens and permaculture  |   |   |   |