|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topic 1 – Global Hazards Personalised Learning Checklist**  | Red | Amber | Green | Where can I find out more information? |
| **TECTONICS** |
| Do you know the structure of the Earth? |  |  |  | Page 12 |
| Do you know what convection currents are? |  |  |  | Page 12 |
| Do you know the four plate boundaries (destructive, constructive, collision, conservative)? |  |  |  | Page 13 |
| Do you know what a hotspot is and where they occur? |  |  |  | Page 15 |
| Do you know how earthquakes occur? |  |  |  | Page 14 |
| Do you know what the focus is? |  |  |  | Page 14 |
| Do you know the different characteristics of shallow and deep focus earthquakes? |  |  |  | Page 14 |
| Do you know how volcanoes are formed on different plate boundaries? |  |  |  | Page 15 |
| Do you know the different characteristics of shield and composite volcano? |  |  |  | Page 15 |
| **CASE STUDY****Japan Earthquake – Tsunami 2011 (Tohoku)**CausesImpacts (consequences)Management (response/ how they reduced impacts) |  |  |  | Your book  |
| Do you know how buildings can be changed to withstand an earthquake? |  |  |  | Page 17 |
| Do you know how else earthquakes can be managed? |  |  |  | Page 17 |
| Do you know how volcanoes can be managed? |  |  |  | Page 17 |
| **CLIMATIC** |
| Can you describe how air circulates around the world (wind circulation cells)?  |  |  |  | Page 2 |
| Do you know what the difference is between high and low pressure? |  |  |  | Page 2 |
| Do you know where low pressure and high pressure is found around the world and what climates they create? |  |  |  | Page 2 and 3 |
| Do you know how the global circulation of air can cause extreme climates and weather? |  |  |  | Page 3 |
| Do you know hazards that are associated with…?* Strong winds
* High temperatures
* Heavy rainfall (precipitation)
 |  |  |  | Page 4 |
| Do you know where tropical storms are located? |  |  |  | Page 5 |
| Do you know the extreme weather associated with tropical storms? |  |  |  | Page 5 |
| Do you know where droughts are located? |  |  |  | Page 7 |
| Do you what causes drought? |  |  |  | Page 7 |
| Do you know how the frequency of these hazards have changed overtime? |  |  |  | Page 5 (tropical storms)Page 7 (drought) |
| Do you know what El Nino is? |  |  |  | Page 6 |
| Do you know what La Nina is? |  |  |  | Page 6 |
| Do you know how they influence heavy rainfall and drought (low pressure and high pressure systems)? |  |  |  | Page 6 |
| **CASE STUDY****Tropical storm, Hurricane Katrina 2005**CausesImpacts (consequences)Management (response/ how they reduced impacts) |  |  |  | Page 9 and your book |
| **CASE STUDY****Drought, UK Drought 2004**CausesImpacts (consequences)Management (response/ how they reduced impacts) |  |  |  | Your book |