

The challenge of Natural Hazards

	Red	Amber	Green
Natural hazards pose major risks to people and property.			
I can give a definition of natural hazard			
I can identify the different types of natural hazard.			
I know the factors affecting hazard risk.			
Earthquakes and volcanic eruptions are the result of physical processes.			
I know the main features of plate tectonics theory.			
I know the global distribution of earthquakes and volcanic eruptions and their relationship to plate margins.			
I can describe and explain the physical processes taking place at different types of plate margin: Constructive Destructive Conservative that lead to earthquakes and volcanic activity.			
The effects of, and responses to, a tectonic hazard vary between areas of contrasting levels of wealth.			
I know the primary and secondary effects of a tectonic hazard.			
I know the Immediate and long-term responses to a tectonic hazard.			
Using named examples , I can describe and explain how the effects and responses to a tectonic hazard vary between two areas of contrasting levels of wealth.			
Global atmospheric circulation helps to determine patterns of weather and climate.			
I know the main features of the general atmospheric circulation model including pressure belts and surface winds.			

Tropical storms (hurricanes, cyclones, typhoons) develop as a result of particular physical conditions.			
I know the global distribution of tropical storms (hurricanes, cyclones, typhoons).			
I understand the relationship between tropical storms and general atmospheric circulation.			
I can explain the causes of tropical storms and the sequence of their formation and development.			
I can describe the structure and features of a tropical storm.			
I understand how climate change might affect the distribution, frequency and intensity of tropical storms.			
Tropical storms have significant effects on people and the environment.			
I know the primary and secondary effects of tropical storms.			
I know the immediate and long-term responses to tropical storms.			
Using a named example of a tropical storm I can show its effects and responses.			
I know how monitoring, prediction, protection and planning can reduce the effects of tropical storms.			
The UK is affected by a number of weather hazards.			
I know the types of weather hazard experienced in the UK.			
Extreme weather events in the UK have impacts on human activity.			
I know an example of a recent extreme weather event in the UK			
I know the causes of an extreme weather event in the UK			
I know the social, economic and environmental impacts of an extreme weather event in the UK			
I know the management strategies that can reduce the risk associated with an extreme weather event in the UK			
Climate change is the result of natural and human factors and has a range of effects.			
I know the evidence for climate change from the beginning of the Quaternary period to the present day.			
I can describe and explain the possible causes of climate change: <ul style="list-style-type: none"> ● natural factors – orbital changes, volcanic activity and solar output ● human factors – use of fossil fuels, agriculture and deforestation. 			
I can give an overview of the effects of climate change on people and the environment.			