Key definitions in STEM subjects

Science
Evolution – how living things change and adapt gradually over time to become more suited to their environment.
Inheritance – how offspring are a mixture of their parents' DNA and how mutations can lead to variance and adaptation within the species.
Survival of the Fittest – species which evolve the most advantageously will survive and those that don't may become extinct.
Classification of living things – how all living things can be sorted, grouped and named according to their characteristics.

Geography
Extreme environments – difficult to survive in habitats e.g. desert, mountain, volcano etc.
Climate - the average measurements of temperature, wind, humidity, snow, and rain in a place over the course of years. Climate is like the weather, but over a long time.
Rainforest - a dense forest, rich in biodiversity, found typically in tropical areas with consistently heavy rainfall.
Deforestation - the purposeful clearing of forested land, particularly of tropical rainforests.
Global Warming - the current rise in the average temperature of Earth's air and oceans
Sherpa - Nepalese ethnic group numbering around 150,000. They are renowned for their climbing skills and superior strength and endurance at high altitudes.

Computing
Branching database - (sometimes called a binary tree) is a way of classifying a group of objects.
Computer model - a representation of a real-life system or situation, such as the workings of a nuclear reactor or the evacuation of a football stadium
Variable - something that can be changed when using a computer model to test different scenarios.

DT
Design cycle - the process *of research-design-make-evaluate*

Key Locations

Science
Galapagos Islands, Ecuador

Geography

South America, Amazon Rainforest, Amazon Basin

Himalayas and Mount Everest

Key people
Charles Darwin – Scientist who wrote 'On the Origin of Species'
Albert Wallace – co-scientist to Darwin who worked on the Theory of Evolution.
Mary Anning – fossil hunter and paleontologist
Carl Linneus – created classification system for naming living things
John Dyer and **Nixiwaka Yawanawá** - Rainforest artists

Vocabulary

Science
adaptation
inheritance
generation
offspring
DNA
mutation
trait
extinct
Geography
mountain range
tropical
climate change
greenhouse effect/CO2
natural disasters
river basin
Computing
database
simulation
search terms
DT
survival shelter
bivouac
RE
Sherpa
Buddhism
deity
Art
primary colours
complimentary colours
foreground
background
Music
traditional
unison singing
Damien (Sherpa instrument)
rhythmic