Year 9: Biomes

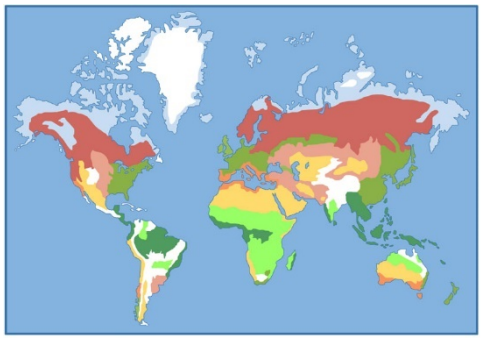
What I need to Know…

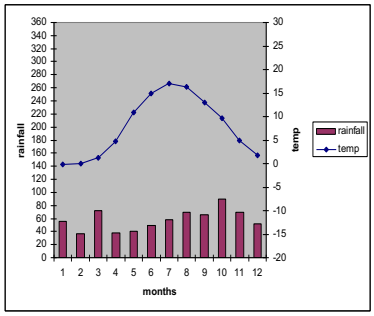
What are the 6 ecosystems
Factors affecting ecosystems
How climate affects ecosystems
Adaptations in each ecosystem
How the nutrient cycle works in the TRF
How deforestation impacts the nutrient cycle
Threats to ecosystems from growing populations
How indigenous populations use the TRF
How exploitation (tar sands) impacts the TRF and Taiga
Strategies to manage biomes

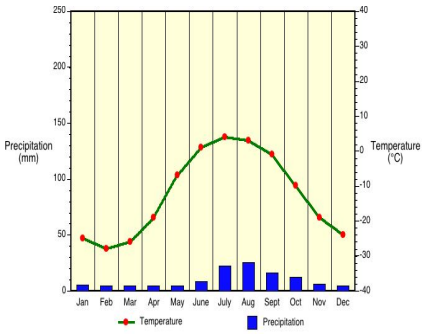
Key vocabulary

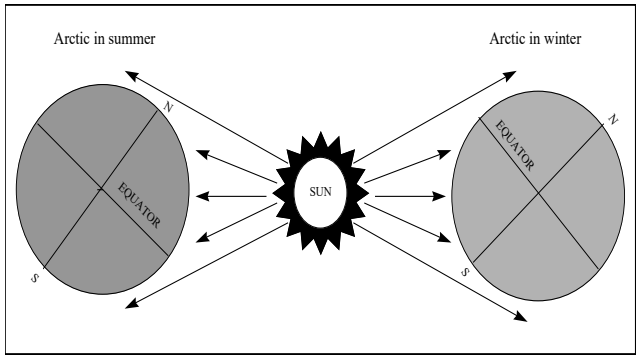
Ecosystem/ Biomes/ Climate/ Nutrient cycle/ rainforest/ savannah/ desert/ Deciduous forest/ Coniferous (taiga) forest/ Tundra/Ground floor/ Understory/ canopy/ Emergent/ Adaptations/ distribution/ Exploitation/ Indigenous/ Tar sands/ Reforestation/ Selective logging/ slash and burn/ deforestation/ palm oil production/ Dams/ Mining/ Cattle ranching/ sustainability

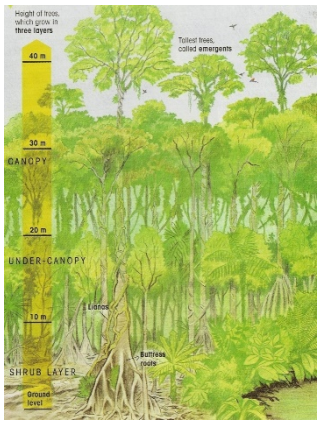
Student reference points:

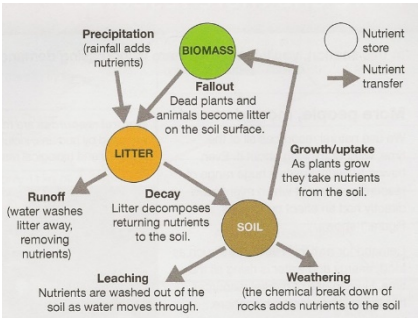


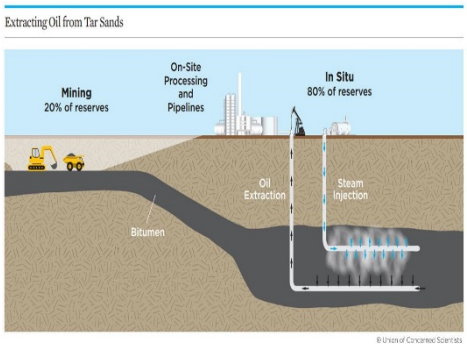












Challenge Questions:

How does current climate change impact on the different biomes?
How does the worlds rapidly increasing and affluent population impact on Ecosystems and the worlds Biomes?

Suggested reading/ watching:

Planet Earth
Biomes videos
Tar sands research and video
Rainforests
Population impact on Biomes