SAC 1: The Adaptations of an Australian Animal

Task: Oral with accompanying presentation:

Create an interactive power point presentation

or

Create an interactive poster (e.g. lift the flap, pull outs, pop up etc. if hand-made, or online on prezi)

Which illustrate/explain your understanding of:

(a) the biological classification of species

To include the taxonomic hierarchy of kingdom, phylum, class, order, family, genus and species AND domain; as well as the common name.

(b) the distribution of the species

To include a map of distribution and a description of the habitat/niche/ecosystem the species occupies.

(c) the relationships between organisms within an ecosystem

To include a demonstrated food chain or web; factors affecting distribution, density and size of a population

(d) the different types of adaptations of organisms to their environment

To include at least one structural (physical features), physiological (functioning) and behavioural adaptation.

(e) international and local conservation agreements made to protect species and habitats.

Historic and/or current agreements, including the Convention on International Trade in Endangered Species (CITES) and any national/local agreements
Guidelines:

If you wish to use a diagram (which is not of your creation) or a direct quote (ie. Not your own words) you must reference it correctly.

A bibliography is to be included (shows where you got your material) which must contain at least one book!!

Your presentation should include:

- A brief description of the organism you have chosen (size, shape, colour, obvious features, classification (mammal/plant, etc), important relationships (food source, predators, abiotic and biotic factors etc))
- Its distribution, the habitat and ecosystem niche; including part of foodweb it occupies (producer, consumer, herbivore, carnivore, omnivore, decomposer, scavenger, prey, (you may use more than one descriptor)).
- At least one of each adaptation type. For each adaptation you must:
  - Identify the type of adaptation
  - Explain why you think it is this type of adaptation
  - Explain how the adaptation improves the survival of the organism
  - Identify what aspects of the organism’s habitat the adaptation has developed in response to
- A brief description of your species conservation stasis and explain some methods of how it is being conserved for the future.

Check out the assessment rubrics to see where the marks are allocated.

Due Date: MONDAY 15th FEB, 2016

40 MARKS