**Characteristics of Living Things: MAGIC BOOK**

*Your Task:* Choose any organism (either currently alive or extinct) and demonstrate your understanding of the Characteristics of living things through it.

ORGANISM SELECTED: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Curriculum Connections:*

1. Investigate living things; and identify and apply scientific ideas used to interpret their general structure, function and organization
   * investigate and describe example scientific studies of the characteristics of living things *(e.g., investigate and describe an ongoing scientific study of a locally-found organism)*

*CHECKLIST:*

* Cells (3 marks)
  + Definition of what a cell is
  + Multi-cellular or Unicellular?
  + Type of cells (plant, animal, or other)
* Energy (3 marks)
  + How does the organism GAIN energy?
  + What processes are involved?
  + Specific examples of how they use their energy
* Respond to the Environment (3 marks)
  + Define “stimulus” and “response”
  + Describe 2 reactions your organism exhibits when faced with a stimulus
* Grow and Develop (3 marks)
  + Define the “life cycle” of an organism
  + Describe each developmental stage of your organism and traits it expresses at each stage
* Reproduce (3 marks)
  + Sexual vs Asexual reproduction (along with definition of what this means)
  + Describe “courting” practice – How do they select a mate?
  + Gestation period
* Adapt (3 marks)
  + Definition of “Adaptation”
  + 2 Behavioural Adaptations
  + 2 Physical Adaptations
* Habitat: (2 marks)
  + Where does the organism live, or where did it live if it is now extinct?
  + Include a map (either hand drawn or printed)
* Interesting Facts (1 mark)
  + Include 4 random facts – these can be ANYTHING.
* Image of the Organism (1 mark)
  + an attempted drawing – yes… you MUST attempt to draw it (*no, you will not be marked on artistic ability – trace if you must … though that will be tricky – if you attempted it, at it resembles the organism then you get the mark*)

**TOTAL MARKS: 25**