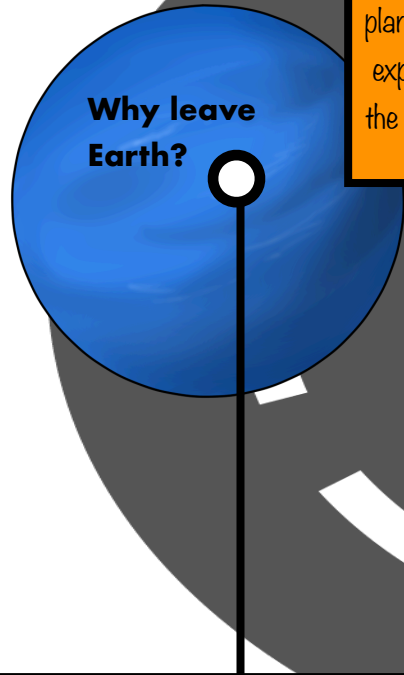


Stedham Road Map to Success

Foxes Class

Earth and Space
Animals, including Humans
Living things & their habitats
Forces
Light
Properties and changes to materials
Evolution and Inheritance
Electricity



identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
 recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
 describe the ways in which nutrients and water are transported within animals and plants, including humans
 explain, in simple terms, a scientific idea and the evidence which supports it?

compare and group together everyday materials on the basis of their properties
 explain how some materials dissolve in liquid to form a solution
 explain what happens when dissolving occurs
 describe changes using scientific words
 demonstrate that dissolving, mixing and changes of state are reversible changes?
 explain that some changes result in the formation of new materials
 Can they use the terms 'reversible' and 'irreversible'?

Would you survive in the wild?

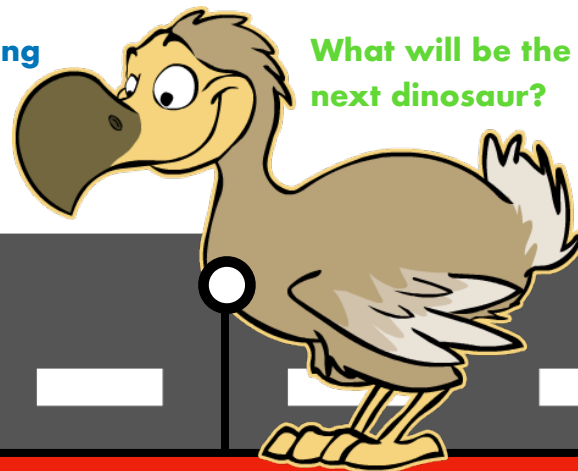


describe the differences in the life cycles of a mammal, amphibians, an insects and a bird
 identify the reproductive processes of some animals
 describe the life cycles of common plants
 describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences including microorganisms, plants and animals
 give reasons for classifying plants and animals based on specific characteristics

How do we live happily ever after?



What do you bring most to a friendship?



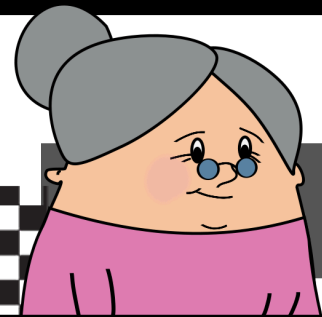
What will be the next dinosaur?

identify and explain the movement of the Earth and other planets relative to the sun in the solar system
 explain how seasons and the associated weather is created
 describe and explain the movement of the Moon relative to the Earth
 describe the sun, earth and moon as approximately spherical bodies
 use the idea of the earth's rotation to explain day and night and the apparent movement of the sun across the sky

recognise that living things have changed over time and that fossils provide information about living things that inhabited the earth
 recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
 give reasons why offspring are not identical to each other or to their parents
 explain the process of evolution
 identify how animals and plants are adapted to suit their environment

explain that unsupported objects fall towards the earth because of the force of gravity acting between the earth and the falling object
 identify the effects of air resistance, water resistance and friction that act between moving surfaces?
 recognise that some mechanisms, allow a smaller force to have a greater effect?

Home or Away



Can they recognise that light appears to travel in straight lines
 explain that objects are seen because they give out or reflect light into the eye
 explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
 explain why shadows have the same shape as the objects that cast them?



What comes with great power?



Can they describe the changes as humans develop to old age
 use basic ideas of inheritance, variation and adaptation to describe how living things have changed over time?

identify and name the basic parts of a simple electric series circuit? (cells, wires, bulbs, switches, buzzers)
 compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers, the on/off position of switches
 use recognised symbols when representing a simple circuit in a diagram
 explore different ways to test an idea, choose the best way, and give reasons
 identify the key factors when planning a fair test
 vary one factor whilst keeping the others the same in an experiment
 use information to make a prediction and give reasons for it tests this
 make a parallel circuit?