

## Gawber Primary School Science

### BIOLOGY: Animals including Humans

|                                      | FS2                                                                                                                                                                                                                                                                                                                                                                                                | Year 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Year 2                                                                                                                                                                                                                                                                                                                                                                                         | Year 3                                                                                                                                                                                                      | Year 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Year 5                                                                                                                                                                                   | Year 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Science Knowledge End Points:</b> | <ul style="list-style-type: none"> <li>Know about similarities and differences in relation to living things.</li> <li>Make observations of animals and explain why some things occur and talk about changes.</li> <li>Know about similarities and differences between themselves and others.</li> <li>Describe and compare minibeasts</li> <li>Compare animals from different countries</li> </ul> | <ul style="list-style-type: none"> <li>Identify, name, draw &amp; label the basic parts of body and say which part of the body is associated with each sense.</li> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> <li>Describe and compare the structure of a variety of common animals</li> <li>Identify stages of human growth</li> <li>Recognise animals and their young</li> </ul> | <ul style="list-style-type: none"> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, drink, sleep and hygiene.</li> <li>Notice that animals, including humans, have offspring, which grow into adults.</li> </ul> | <ul style="list-style-type: none"> <li>Know the names of body parts including the names of private areas of girls and boys</li> <li>Understand the need for medicine and how to take this safely</li> </ul> | <ul style="list-style-type: none"> <li>Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat</li> <li>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</li> <li>Describe the simple functions of the basic parts of the digestive system in humans</li> <li>Identify the different types of teeth in humans and their simple functions</li> <li>Construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ul> | <ul style="list-style-type: none"> <li>Identify ways of staying healthy in relation to puberty and smoking</li> <li>Identify characteristics of predators / prey in evolution</li> </ul> | <ul style="list-style-type: none"> <li>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</li> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> <li>Describe the changes as humans develop to old age</li> <li>Begin to understand the key elements in Sex education</li> <li>Understands the importance of healthy diet through cooking</li> <li>Experience real life situations and problems through crucial crew e.g. drugs</li> </ul> |

## Gawber Primary School Science

### BIOLOGY: Animals including Humans

|                              |                                                                                          |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                          |                                                              |                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |                                                                                          | <ul style="list-style-type: none"> <li>Begin to recognise ways to keep healthy e.g. food, exercise and rest</li> </ul>                                                                                                                                                                        |                                                                                                                                                                                                                                                          |                                                              |                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Key Scientists Study:</b> |                                                                                          | Chris Packman (Animal Conservation)                                                                                                                                                                                                                                                           | George Washington Carver (Biologist)<br>Louis Pasteur                                                                                                                                                                                                    |                                                              | Adelle Davis                                                                                                                                                                                                                                                                                                                                                                  |                                                                         | Alexander Flemming                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Key Vocabulary:</b>       | Similar, different, animals, people, changes, living, chicks, butterflies, caterpillars, | Human body, sense, taste -tongue, mouth, smell - nose, sight-eyes, hearing - ears, sound, touch - fingers, skin, nerves. Hands, feet, arms, legs. Head, neck, torso, chest and back. Animals, fish, amphibians, reptiles, birds, insects and mammals, pets. Herbivore, carnivore and omnivore | Animals, survival, water, food and air' Nutrition, exercise and hygiene. Humans, offspring, reproduction, growth, egg/chick/chicken, egg/caterpillar/pupa/ butterfly, spawn/tadpole/frog, lamb/sheep, foal, calf, baby, toddler, child, teenager, adult. | Differences, Penis, Testicles, vulva, vagina, private parts. | Function, food and nutrition, food groups and diet. Skeleton, support, movement, protection, muscle, ligament, tendon, vertebrate and invertebrate. Digestive system, mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, anus. Teeth, incisor, canine, molar, jaw, enamel. Food chains, producers, predators, prey, predator, herbivore, carnivore. | Puberty, smoking, healthy,, characteristics, predators, prey, evolution | Circulatory system, functions, heart, blood vessels, lungs, artery, vein, capillary, blood, red cell, white cell, oxygen, ventricle, atrium. Diet, exercise, drugs, harmful substances, weight, addiction, illness, lifestyle, fitness, health. Nutrients, transported. Skeletal system, muscular system, digestive system. Changes, old age, elderly, develop, timeline, stages, growth, puberty, teenager. |

Science Knowledge End Points:    Black = Normal NC Positioning    Blue = NC requirement but moved    Red = Extra learning