

Upton Infant School		We Are Brilliant Scientists!		Progression Map: Animals and Habitats	
Upton Infant School's Science Curriculum Rationale					
Brilliant scientists...		• Develop their scientific knowledge to help them greater understand the world • Understand that science has changed, and will change, our world • Are excited and curious about the world • Can predict what might happen in an investigation • Can make observations about what is happening in an investigation • Can explain what has happened in an investigation			
Science Curriculum – Animals and Habitats					
Reception		Year One		Year Two	
Intent					
Brilliant scientists in Reception have first-hand experiences to observe, handle and care for animals, including pets. They are curious and excited to observe the growth of animals in and out of their natural habitats.		Brilliant scientists in Year One learn about the wide variety of animal life and observe these animals through first-hand experiences and exploring secondary sources. They learn about the key animal groups and the features of these animals. They learn that animals may be carnivores, herbivores or omnivores.		Brilliant scientists in Year Two are curious and excited to explore and investigate animals and habitats in their local environment. They know what animals need to survive and how they are suited to their habitats. They learn what a food chain is. They understand how to plan and carry out a simple investigation, making predictions and observations and can explain what has happened.	
Planning considerations for teachers					
• Are children having the chance to experience live animals, for example chicks, to understand life cycle? • Are children having the chance to look after and handle animals, for example pets? • Do children get the chance to see animals, including young animals, in their natural habitat?		• Are children exposed to a wide variety of different animals, with first-hand experience and not just pictures? • Are the children given a range of experiences to explore animals, for example artefacts and live animals as well as pictures, to understand their features and structures?		• Are children curious and excited to investigate their local habitats and the animals within them? • Do children have the opportunity to develop their investigational skills, planning and carrying out a simple test, making predictions and draw conclusions? • Do children know what the basic needs of animals are?	
Knowledge					
Brilliant scientists... • understand the growth of animals, for example, egg – chick – chicken, spawn – tadpole – frog, caterpillar – pupa – butterfly) • know that animals have offspring and can match pictures of these to the adults		Brilliant scientists... 1 • can identify and name a variety of common animals 2 • can describe and compare the structure of a variety of common animals 3 • know animals which are carnivores, omnivores and herbivores 4 • can sort animals into groups		Brilliant scientists... 1 • know which things that are living, dead, or have never been alive 2 • know the basic needs of animals and plants 3 • can identify & name plants & animals in their habitats including microhabitats 4 • know that most living things live in habitats to which they are suited 5 • know how animals obtain their food from plants and other animals, using the idea of a simple food chain	
Next steps: • Children will learn that animals need the right type and amounts of nutrition and that they cannot make their own food					
Working Scientifically					
Brilliant scientists... • take care of animals from their local environment including those that are kept as pets		Brilliant scientists... 5 • can identify and classify animals		Brilliant scientists... 6 • ask simple questions 7 • observe closely 9 • carry out simple tests 10 • gather and record data to help in answering questions	
Our promise to make science learning brilliant					
• Care for live chicks • Visit a farm • Host a Pet Show		• To have a visit from an animal experience company		• To visit different habitats in our local environment. • Create a 'Natural History Museum' in the classroom.	
Meet some brilliant scientists...					
					
Gerald Durrell		Steve Backshall		Charles Darwin	
					
				Dian Fossey	

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

Brilliant scientists...

- 1 • can identify and name a variety of common animals
- 2 • can describe and compare the structure of a variety of common animals
- 3 • know animals which are carnivores, omnivores and herbivores
- 4 • can sort animals into groups
- 5 • can identify and classify animals

