

 PARK LANE PRIMARY SCHOOL	YEAR 2 ANIMALS INCLUDING HUMANS (GROWTH)			SCIENCE
PRIOR KNOWLEDGE Builds on previous KS1 learning: - Names of body parts (EYFS) - Names of senses (EYFS) - Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense (Yr1)		COMMON MISCONCEPTIONS Growth is only about getting taller: Children may think that growth can only be measured by height. However, in this unit, children will learn that as their bones grow, so too do their muscles and strength. All foods are equally nutritious: Children will start to understand that foods have a different nutritional value and it is important for our health that we eat the right proportions of each food group.		
Lesson Intention	National Curriculum Reference	Scientific Enquiry	Rocket Words	Resources
Describe the needs of animals including humans for survival	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)	Pattern Seeking Use observations and ideas to suggest answers to questions Activity: zone of relevance. Human need for survival, helpful or nice but not needed	Survival Shelter Nutrition Oxygen essential Vital Survive Non-essential Grow Healthy	Class presentation, pen and pencil
Explore the importance of eating the right food	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	Identifying, Classifying & Grouping Activity: as a class sorting food into food groups and discussion	Protein Carbohydrate Dairy Vitamins Fat Calcium	Class presentation, pen, pencil and glue
Describe what a healthy, balanced diet looks like	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	Pattern Seeking Use observations and ideas to suggest answers to questions Activity: design or cut and stick pic to make a balanced lunch box with foods from the different food groups	Balanced diet Nutrients Fresh food Pre-cooked Processed food	Class presentation, pen, pencil, glue, paper plates craft materials for making food, e.g. tissue paper, card, coloured paper, pipe cleaners, playdoh.
Investigate the impact of exercise on our bodies	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	Comparative & Fair Testing Perform simple tests Pattern Seeking Use observations and ideas to suggest answers to questions	Exercise Strength Balance Coordination Flexibility	Class presentation, pen, pencil, stopwatch, bean bags, small sized balls, medium sized balls, large balls.

		Activity: draw pic of self before and after exercise. Label after picture to describe the effect of exercise on the body. CH: why do we need to exercise?		
Investigate the importance of hygiene	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene	Comparative & Fair Testing Performing simple tests Activity: Louis Pasteur experiment shaking hands and spreading germs Soap and pepper experiment to show the effectiveness of soap	➤ Louis Pasteur (germs pass by touching) ➤ Florence Nightingale (pioneer of modern nursing in GB) Hygiene Prevent Germs Bacteria Virus	Class presentation, pen, pencil, shallow bowl or plate, water, pepper, dish soap. glitter, tray