Subject: So	ience Ye	ear: LKS2 year B
nutrii they • ident	ion, and that they eat	cluding humans, need the right types and amount of cannot make their own food; they get nutrition from what nd some other animals have skeletons and muscles for movement.
All animals p important. T	roduce off spring. here are different	eady know and can do) All animals need food, water, air, shelter. Know exercise is types of food: dairy, fruit and vegetables, carbohydrates, ant to eat a variety of food and have good hygiene
End Goals (v	/hat pupils MUST k	know and remember)
	5 1	rtant for a healthy body ients from what they eat
To know all To know car vitamins and of the body	animals need the r bohydrates and fat minerals keep cel s water	ight amount of nutrients from the food they eat ts provide energy, proteins help with growth and repair, Is healthy, fibre helps food move through the gut and 70%
To know the skeleton does three jobs: protecting the body parts, supporting the body and letting the body move.		
-	•	the skeleton can bend.
To know muscles and joints allow movement		
		es that are joined to bones and always work in pairs.
	· · · · · · · · · · · · · · · · · · ·	ons, tissue, skeleton, protective, support, vertebrates, , endoskeleton, exoskeleton, serving, balanced diet,
- ·		es, fibre, vitamins, minerals, fats, protein
What do all		g y is exercise important? Name different types of food.
	reer scientist	files/2E16/4E72/2477/Drotsin_Bischemist
<u>Dr_Gulin_G</u> Show De Vir	uler-Gane - v2.pc ci's Vitruvian Man nated by nature ar	– anatomical drawing of human body.
Session 2: Recap: Nam	e three foods that	are dairy, carbohydrates, contain fats and protein
Children rese	provide them.	ents es, proteins, fats, fibre, minerals and vitamins and examples
••		ırvival, makes up 60% of human body

- b) Carbohydrates gives animals energy and prevents loss of muscle mass
- c) Protein building blocks for cells and essential for forming muscles
- d) Fats boosts absorption of vitamins and protects the organs of the body
- e) Vitamins help the bones grow and support the immune system
- f) Minerals helps the body to work properly

g) Fibre – helps the digestive system stay healthy NB. A piece of food will often provide a range of nutrients. Animals, including humans, cannot create their own food, so must consume plants and/or other animals to obtain energy and nutrients. A balanced diet is one that that contains the right nutrients in the right quantities, and should include carbohydrates, proteins, fats, minerals and vitamins. Nutrients, carbohydrates, protein, fats, vitamins Vocabulary: nutrients, carbohydrates, fibre, vitamins, minerals, fats, protein Session 3: Recap: the 7 nutrients and what they do for the body Lo: to design a healthy meal that contains the right nutrients Design a meal showing food groups Vocabulary: balanced diet, healthy Session 4: Recap: Match the food to the nutrients LO: to research and compare fats and sugars on food packaging Compare food by looking at 100g serving. Vocabulary: serving, Session 5: Recap: Parts of the body linked to senses LO: to understand the function of a skeleton https://www.voutube.com/watch?v=WGd8 hZwnsA www.youtube.com/watch?v=fIoBoGSPkws - basic anatomy a) to support the body b) protect the organs c) help the body to move Name some of the major bones. Also look at skeletons of a variety of animals and group them An endoskeleton is an internal skeleton like in vertebrates An exoskeleton is the external skeleton that supports and protects an animal's body like in ants, bees, crabs Vocabulary: skeleton, protective, support, vertebrates, ribcage, sternum, pelvis, spine, endoskeleton, exoskeleton Session 6: Recap: what are an exoskeleton and endoskeleton? What is their function? Name 3 bones Lo: To understand how muscles work https://www.youtube.com/watch?v=3haTJCOkyxA how bones and muscles work https://www.bbc.com/bitesize/articles/zpbxb82 - how do your muscles work Muscle is a soft tissue that produces force and motion and maintains the position of parts of the body. Muscles are joined to bones by tendons Vocabulary: muscles, tendons, tissue Link to career scientist: https://pstt.org.uk/application/files/3516/4572/2477/Protein Biochemist -Dr Gulin Guler-Gane - v2.pdf Orthopaedic doctor https://www.youtube.com/watch?v=604BM53cjSk Scientists who have helped develop understanding in this field: Leonardo da Vinci made first anatomical drawings.

Medium Term Plan: Supporting Implementation of LTP/Progression Grid