

Year 3: How can Usain Bolt move so quickly?

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| Sci1 | Can I explain that animals including humans need nutrients from what they eat? |
| Sci2 | Can I explain what a healthy meal looks like? |
| Sci3 | Can I compare diets of different groups of animals including humans? |
| Sci4 | Can I explain the purpose of different types of skeletons? |
| Sci5 | Can I explain the functions of the human skeleton and muscles? (support, protection, movement) |
| Sci6 | Can I explain how the arm joint works? |
| Sci7 | Can I name the parts of a flower and their role in pollination and fertilisation? |
| Sci8 | Can I run 100m and explain how the body moves to do this? |

We learn the following scientific knowledge and skills...

- Record observations in different ways (labelled diagrams, charts etc.)
- Describe what they have found using scientific words
- Identify and describe the functions of different parts of plants
- (trunk, roots, stem, leaves and flowers)
- Identify what a plants needs for life and growth (light, air, water, nutrients from soil)
- Investigate the ways in which water is transported within plants
- Explain the functions of different parts of the plant.
- Explain the life cycle of a flowering plant
- Compare factors of plant growth e.g. amount of light

Hook for Learning:

- Making healthy pizzas and fruit salad
- 100m race
- Funnybones
- Skulls and skeleton models

We learn the following artistic knowledge and skills...

- Design and prepare a healthy lunch

We learn the following computing knowledge and skills...

- Use Scratch to program an animation of pollination and fertilisation

We learn the following vocabulary...

Body, human, diet, nutrition, skeleton, bone, joint, muscle, organ, protein, carbohydrate, vitamin, mineral, fibre, calcium, exercise, movement, energy, calorie, balanced, muscles, pelvis, cartilage, ribcage, tendon, spine

Non-Negotiables

- Measure time in seconds using a stopwatch
- Create graphs to make comparisons
- Group ideas into paragraphs around a theme

We learn the following writing knowledge and skills...

Use appropriate language to write formal and informal letters

We learn the following mathematical knowledge and skills...

Use money to create amounts and give change