



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 – Humans

Reception

Year One

Year Two

Intent

- Brilliant scientists in Reception begin to learn about their own bodies through play and songs.
- They begin to find about keeping healthy and use their senses to examine the world around them.
- They have the opportunity to try a range of different fruits.

- Brilliant scientists in Year One are curious about the world.
- They learn about the main parts of the human body.
- They know which parts of the body are associated with each sense.
- They use their senses to explore the world around them.

- Brilliant scientists in Year Two are curious about how animals and humans grow and what they need to stay healthy.
- They learn that humans and other animals have offspring which grow into adults and that they need water, food and air to survive and that a balanced diet is important to remain healthy.
- They learn about the importance of good hygiene and investigate the best way to wash their hands to remove germs.
- They also learn about the importance of exercise and investigate the effects exercise has on the body, suggesting reasons why.

Planning considerations for teachers

Are children given lots of opportunities to learn about their bodies through song? Are they encouraged to describe the world using their different senses?

Are exciting opportunities planned for children to use their senses to explore the world around them?

Are children exposed to a wide variety of foods to explore different food groups and balanced diets?

Are PE lessons used to refer to the importance of exercise and its effects on our bodies?

Knowledge

- Brilliant scientists...
- know the names of some of the main body parts
 - know that exercise, eating, sleeping and hygiene can contribute to good health

- Brilliant scientists...
- 1 • know the basic parts of the human body
 - 2 • know which part of the body is associated with each sense

- Brilliant scientists...
- 1 • know that animals including humans have offspring which grow into adults
 - 2 • know that humans need food, water and air to survive
 - 3 • know the importance of hygiene to keep healthy
 - 4 • know what a healthy diet is and why it is important
 - 5 • know the effects of exercise and why it is important

- Next steps:
- Children will learn to identify that humans and some other animals have skeletons and muscles for support, protection and movement

Working Scientifically

- Brilliant scientists...
- talk about parts of their bodies

- Brilliant scientists...
- 3 • use their senses are used to explore the world around them

- Brilliant scientists...
- 6 • ask simple questions e.g. "What happens to our bodies when we exercise?"
 - 7 • carry out tests to investigate changes that occur during exercise
 - 8 • observe closely, using simple equipment
 - 9 • use their observations and ideas to suggest why the changes occur

Our promise to make science learning brilliant

- Have the opportunity to try a range of different fruits

- Investigate our senses using a variety of mystery sounds, objects and foods to explore hearing, touch, taste and smell and carry out investigations into sight.

- Make healthy flapjacks to learn about different food groups and a healthy diet

Meet some brilliant scientists



Katalin Karikó



John Harvey Kellogg

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