

Lakeside Primary Academy EYFS - Knowledge Organiser - SCIENCE

Physical Development

<u>Key Skills</u>	<u>Key Knowledge</u>	<u>Vocabulary</u>
<p>Promote health awareness by talking about exercise and the positive impact it has on their bodies.</p> <p>Discuss the effects that exercise has on their bodies.</p> <p>Understand the need for a healthy and varied diet.</p> <p>Understand what is regarded as good practise with regards to exercise, drinking water, sleeping and good hygiene including regular tooth brushing.</p>	<p>Children can tell you how their bodies change when they exercise.</p> <p>Children can name some healthy foods.</p> <p>Children can discuss what they need in order to live a healthy lifestyle.</p> <p>Children know we need to brush our teeth twice a day for two minutes.</p>	<p>Heart, sweat, bones, skeleton, muscles, healthy, teeth, plaque</p>

Expressive Arts and Design

<u>Key Skills</u>	<u>Key Knowledge</u>	<u>Vocabulary</u>
<p>Use knowledge and understanding of tools and materials to explore their interests and enquiries and develop their thinking.</p> <p>Develops their own ideas through experimentation with diverse materials.</p>	<p>Children can use appropriate vocabulary to comment on and describe a range of materials</p> <p>Children can tell you which materials are waterproof and which are warm.</p>	<p>Hard, soft, flexible, rough, smooth, transparent, waterproof, warm</p>

'Science' links/ themes this year

Cycle 1	Cycle 2	Cycle 3	Ongoing
<p>Senses/ Pumpkin dissection / Our area and the wider world</p>	<p>Animals and their habitats / Camouflage</p>	<p>Exploring materials for fashion show / Healthy eating and foods</p>	<p>PE lessons talking about effects of exercise / Exploring outside and creating homes for minibeasts / experimenting and commenting on resources within class / data collection with maths / reading bar graphs and pictographs.</p>

Understanding the World

<u>Key skills</u>	<u>Key Knowledge</u>	<u>Vocabulary</u>
<p>- Investigate own local environment and visit local places.</p> <p>- Discuss patterns around us in the natural environment.</p> <p>- Examine change over time, such as growing plants and changes that may be reversed</p> <p>- Make observations of animals and plants and the environments in which they live.</p> <p>-Discuss how animals are suited to living in different environments.</p>	<p>Children to know that they live in Clifton Moor, York.</p> <p>Children to know the surrounding areas; inc the lake.</p> <p>Describe what they see, hear and feel while they are outside.</p> <p>Children are developing an understanding of growth, decay and changes over time.</p> <p>Children can talk about seasonal change. Children can talk about the features of each season.</p> <p>Children can talk about what happens to trees and plants during Autumn.</p> <p>Children can talk about the things that plants need in order to grow.</p> <p>Children understand that different animals are suited to living in different environments</p>	<p>Plants Earth Sun Moon York Town Seasons Autumn Winter Spring Summer Weather Animal Hibernate</p>

C&L

<u>Key Skill</u>	<u>Key Knowledge</u>	<u>Vocabulary</u>
<p>Learn new vocabulary</p> <p>Ask questions and respond to findings</p> <p>Use talk to organise thinking</p>	<p>Children use scientific words confidently when reasoning thoughts and opinions such as 'predict' 'explore' and life cycle.'</p> <p>Children use speech to convey their thoughts when discovering and responding to what they have experienced.</p>	<p>Predict, explore, explain.</p>