

### Science at Perryfields - Year 3

	Key Vocabulary	BLP Links	Community	Cultural Capital
<b>Working Scientifically</b>	Questions, types of enquiry, comparative tests, accurate, data, conclusion, predictions, results.	Reasoning (observations), questioning (asking about investigations), and capitalising (drawing on resources).	Whole school assembly. British Science Week.	Picture news – where relevant.
<b>Plants</b>	Nutrients, fertiliser, life cycle, pollination, seed formation, seed dispersal, transported.	Listening, making links (seed dispersal).	Outdoor areas to explore, local parks/garden centre/invite local expert in.	Jobs - Environmental Scientist, Botanist. Links with real life – helping plants to grow effectively.
<b>Animals inc humans</b>	Nutrition, carbohydrates, protein, vitamins, fibre, balanced diet, skeleton, muscles, protection, movement.	Listening, noticing (links between life cycles of animals) imagining.	School nurse visits, parent talks (NHS parents/nutritionist).	Jobs - Nurse, Zoologist, Sports Scientist. Links with real life – recognising need for healthy eating/ hygiene.
<b>Rocks and Soil</b>	Rock, stone, pebble, boulder, fossils, grains, crystals, absorbs, types of rocks, textures.	Noticing (similarities/ differences between rocks).	Analysing rocks and soils in local areas.	Jobs – Geologist. Links with real life – suitable materials, archaeology.
<b>Forces and Magnets</b>	Magnetic, types of magnets, forces, pushing, pulling, contact/non-contact, attract, repel, materials, poles.	Planning and revising (investigations).	Think Tank trip.	Jobs - Magnet Engineer, Robotic Technician. Links with real life – gravity, useful magnets.
<b>Light</b>	Light sources, reflect, shadow, direction, translucent, opaque, transparent.	Imitation (adopting methods from observations).	Jenny Watson delivered activity linked with light objectives.	Jobs – Laser Engineer, Lighting Technician, Optometrist. Links with real life – understanding light sources.

#### Vocabulary:

Vocabulary to be displayed on or near science display and referred to regularly. Access to a full list of vocabulary through excel document on staff share including adult use of vocabulary to use with children.

#### BLP:

Many BLP skills link to learning, such as absorption, managing distractions and perseverance and therefore may appear in most science lessons. Depending on objective, BLP skills will apply and teachers to choose relevant BLP skills and display/discuss for each lesson.

#### Community:

Links with Jenny Watson, local science teacher, delivering workshops and assemblies to all children in school, once per year. Celebrating British science week, links with High School – UKS2, some class trips involve science link (Think Tank, Transport Museum). Also to involve parents who have science related jobs.

#### Cultural Capital:

In order to prepare children for future success, we make links with our science topics to real world and real life, picture news (often science related), how science skills and knowledge can be transferrable, introducing jobs related to science <https://nustem.uk/primarycareers/#tab-id-5>.