

Science at Perryfields - Year 6

	Key Vocabulary	BLP Links	Community	Cultural Capital
Working Scientifically	Opinion, fact, accuracy, variables, precision, degree of trust, classification keys, scatter/line graphs, causal relationships, support/ refute arguments.	Reasoning (observations), meta-learning (choosing appropriate methods), and capitalising (using resources).	Whole school assembly during British Science Week.	Picture news – where relevant.
Electricity	Appliances, terminal, voltage, current, resistance, volume, electrical/ series circuits.	Distilling (reflecting on prior experience).	High School visit to use facilities/observe lessons.	Jobs - Electrical Technician, Nuclear Engineer. Links with real life – safety of electrical appliances.
Animals inc humans	Circulatory system, heart, blood vessels, pumps, oxygen, carbon dioxide, lungs, arteries, veins, exercise, diet.	Making links (health and exercise with heart).	Talks from school nurses/parent professionals.	Jobs - Nurse, Surgeon, Sports Scientist. Links with real life – healthy living.
Evolution and Inheritance	Evolution, adaptation, suited, offspring, characteristics, variation, inherit.	Noticing (traits), imagining (evolution of animals).	Visits from parents –inheritance.	Jobs – Biologist, Geneticist. Links with real life – understanding heritage, traits, animal developments.
Light	Reflective, absorb, light sources, opaque, transparent, mirror, translucent.	Imitation (adopting methods and then adapting to test).	Jenny Watson workshop.	Jobs – Lighting Technician, Optometrist, Laser Engineer. Links with real life – understanding light sources.
Living Things and Habitats	Organism, micro-organism, fungus, mushrooms, arachnid, mollusc, crustacean,	Planning and revising (investigations).	Local environment – classifying.	Jobs – Wildlife Biologist, Primatologist. Links with real life – attempting asexual reproduction with onion.

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>.