

Science At Perryfields - Year 5

	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.
Earth and Space	Earth, planets, solar system, celestial body, spherical, rotation, orbit, revolve, heliocentric, geocentric.	Listening (understanding other points of view),	Jenny Watson visit – astronaut training.	Jobs - Astronaut, Astrophysicist. Links with real life – understanding day and night, seasons, and universe.
Animals inc humans	Gestation, changes, adolescent, growth and development, puberty.	Managing Distractions (mature when discussing certain vocabulary).	Visits from school nurses – puberty talk.	Jobs - Nurse, Surgeon, Sports Scientist. Links with real life – comparing developments/ differences.
Forces	Gravity, friction air/ water resistance, mechanisms, levers, pulleys, gears, transfers,	Making Links (types of forces).	Forces in local park, Transport Museum visit.	Jobs - Robotic Technician, Mechanical Engineer. Links with real life – how items move, sports (air resistant).
Properties of Materials	Conductivity, solubility, dissolve, solution, soluble, insoluble, solute, solvent, particle, sieving, filtering, condensing, reversible /irreversible changes.	Distilling (experience of materials and their properties), planning (experiments).	High School visit – use of resources.	Jobs – Geologist, Materials Engineer. Links with real life – choosing appropriate materials, cooking.
Living Things and Habitats	Lifecycles, sexual/asexual reproduction, germination, pollination, stamen, stigma, runners, tubers, bulbs, types of animals,	Planning and revising (investigations).	Identifying asexual/sexual reproduction in local environment.	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>.