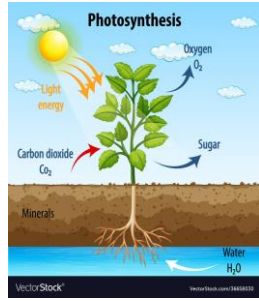


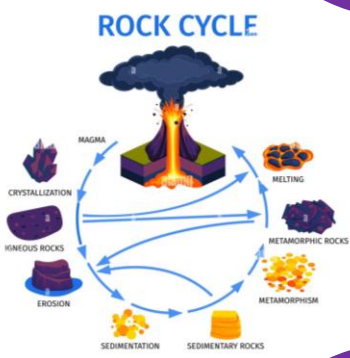
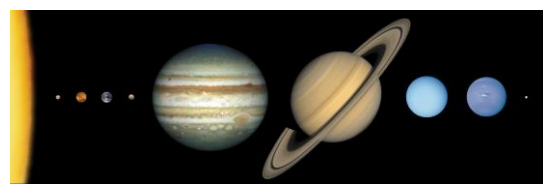
Chlorophyll in leaf
Water and minerals



Summer 2
Ecosystems - Food chains/webs, habitats, predator/prey relationships, biomass pyramids, transfer of energy in an ecosystem.
Plants - pollination, germination, photosynthesis, seed dispersal.



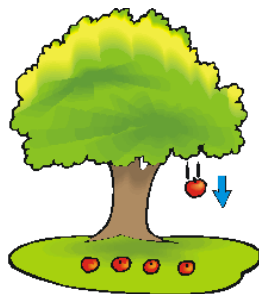
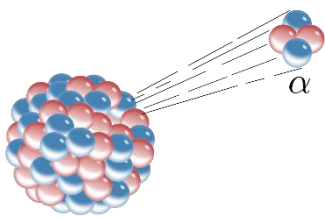
Summer 1
Electricity - circuits, current, voltage and resistance. Electromagnets and magnetism.
Energy - Energy transfers, cost of energy, alternative sources. Heating and cooling.



Spring 2
The Earth and the Atmosphere; The Earth's structure, the rock cycle, fossils, crude oil, the Earth's Atmosphere, the Carbon cycle, the Greenhouse Effect, recycling.
Science Week 2024 (March). **Space and the Solar System,** - Mars Rover, colonising Mars, orbital trip to National Space Centre.



Spring 1
Genes - variation in organisms due to natural selection, work of Charles Darwin. The reproductive system, puberty, the menstrual cycle, sex cells and fertilisation, contraception, development of a baby.



Autumn 2
Matter - Particle models in solid, liquids and gases. Separation techniques continued.
Forces - Balanced and unbalanced, different types of forces and their effects. Speed, distance time graphs, gravity.

Autumn 1
Organisms - Plant and animal cells, unicellular organisms. Hierarchy of organisation in humans. Microscopy techniques. Skeleton and muscle, joints, and movement of our bodies.
Matter - Particle models in solid, liquids and gases. Separation techniques



Coming From KS2/Referral/Induction...