

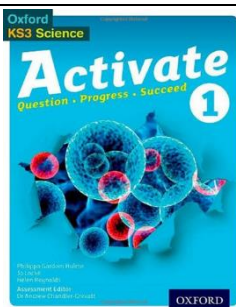


Blue Coat Church of England Academy

Year: 7

Subject: Science

Overview



Our Key Stage 3 (KS3) Science syllabus is designed to create engaging lessons which promotes understanding rather than repetition. In Year 7 and Year 8 the pupils will follow the Kerboodle: Activate scheme of work in Science, which includes online access and accurate assessments, with an aim to equip our students for success at GCSE.

Term 1.1

B1.1 Cells: Plants cells, animal cells, specialised cells, movement into cells, and single cell organisms.

C1.1 Particles and their behaviour: the particle model, states of matter, melting and freezing, vaporisation and condensation, diffusion, and gas pressure.

Term 1.2

P1.1 Forces: forces, what forces can do, drag forces, friction forces, forces at a distance, balanced and unbalanced forces.

B1.2 Body systems: Respiratory system, Skeletal System, and The muscular system.

Term 2.1

C1.2 Elements, mixtures and compounds: Elements, atom model, compounds, chemical and formula.

P1.2 Sound: Sound as a waves, sound as energy transfer, loudness, pitch, detecting sounds, echo and ultrasound.

Term 2.2

B1.3 Reproduction: Reproductive system, fertilisation, implantation, development of a foetus, the menstrual cycle, pollination, germination, and seed dispersal.

C1.3 Reactions: Chemical reactions, word equations, burning, thermal decomposition, conservation of mass, exothermic and endothermic.

Term 3.1

P1.3 Light: Light as a wave, reflection, refraction, the eye and the camera, and colours.

C1.4 Acids and alkalis: Acids and alkalis, indicator and pH, neutralisation, and making salts.

Term 3.2

P1.4 Space: The night sky, the solar system, the Earth, and Our Moon.