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At Connect2Learn, we believe brilliance isn't born – it's built. Our global learning platform is designed to empower every student with personalized, one-on-one education that nurtures skills, confidence, and curiosity. From core academics to creative and future-ready subjects, we connect passionate educators with young minds across the UK, Australia, and the US. With 5,000+ learners and a mission to reach 10,000 more, Connect2Learn is shaping a generation that's not just prepared for the future – but ready to lead it.



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SCIENCE HORIZON SEEKERS

MODULE -1 WHAT ARE LIVING THINGS AND WHAT ARE THEY MADE?

HUMAN DIGESTIVE SYSTEM

- The parts of the human digestive system
- Digestion and enzymes
- Food tests: practical
- Bacteria in the human digestive system
- Absorption and transport of nutrients in humans



SCIENCE HORIZON SEEKERS

MODULE -2 WHAT ARE THINGS MADE OF?

ATOMS, ELEMENTS AND COMPOUNDS

- Atoms and elements
- Properties of elements
- Metallic elements
- Molecular elements
- Common elements
- Compounds and their formation
- Chemical formulae



EARTH'S RESOURCES

- Inside rock
- Rocks and minerals
- Types of rocks
- Structure of Earth
- Tectonic plates



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MODULE -3 HOW DO LIVING THINGS GROW AND REPRODUCE?

REPRODUCTION IN HUMANS

- Reproduction and inheritance
- Life cycles and reproduction
- Puberty in humans and sexual maturity
- Human reproductive organs
- The human menstrual cycle
- Gestation and birth in humans
- Healthy pregnancy



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MODULE -4 HOW DO LIVING THINGS LIVE TOGETHER IN THEIR ENVIRONMENTS?

BIODIVERSITY

- Interdependence within ecosystems
- Pyramids of number
- Pyramids of biomass
- Plants are adapted for their environment
- Animals are adapted for their environment
- Ecological sampling of living organisms
- Ecological sampling using a quadrat
- Conserving biodiversity



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MODULE -5 WHY ARE THERE SIMILARITIES AND DIFFERENCES BETWEEN LIVING THINGS?

SPECIES AND CLASSIFICATION (DIFFERENCES BETWEEN SPECIES)

- Classification and species
- Classifying organisms using a classification key
- Identification and classification in the field
- Classification at the cellular level



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MODULE -6 VARIATION

VARIATION (DIFFERENCES WITHIN SPECIES)

- Reproduction and variation
- Variation within species
- Continuous and discontinuous variation: practical
- Discontinuous variation: data handling and analysis
- Continuous variation: data handling and analysis



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MODULE -7 HOW DO LIVING THINGS STAY HEALTHY?

DIET AND EXERCISE

- Good and ill health
- Balanced diet
- Food is a source of building materials and energy
- Energy provided by food: practical
- Imbalanced diet: starvation and deficiency diseases
- Imbalanced diet: obesity
- The effects of exercise on the human body
- The effects of exercise on breathing and heart rate
- Recovery time after exercise



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MODULE -8 HOW DO WE EXPLAIN HOW SUBSTANCES BEHAVE?

UNDERSTANDING CHEMICAL REACTIONS

- Chemical reactions: acid and metal
- Chemical reactions: acid and metal carbonate



ACIDS AND BASES

- Acids and bases
- pH scale and universal indicator solution
- Practical: red cabbage indicator solution
- Metal oxides and non-metal oxides
- Chemical reactions: neutralisation



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MODULE -9 HOW CAN SUBSTANCES BE MADE AND CHANGED?

FUELS AND ENERGETICS

- Heating and cooling
- Cooling curve: practical
- Exothermic and endothermic chemical reactions
- Comparing fuels
- Power stations
- Using renewable energy resources



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MODULE -10 HOW DO FORCES MAKE THINGS HAPPEN?

MOVING BY FORCE

- Calculating speed
- Measuring speed accurately
- Reading distance-time graphs
- Interpreting distance-time graphs
- Changing speed
- Newton's first law
- Streamlining
- Comparing the speeds of different parachutes
- Changing the speed of a parachute



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MODULE -11 HOW DO FORCES MAKE THINGS HAPPEN?

SERIES CIRCUITS

- Making a series circuit
- Fixing faulty circuits
- Electric current
- Measuring electric current
- Measuring voltage
- Changing voltage
- Static electricity



MAGNETS AND ELECTROMAGNETS

- Magnetic poles
- The magnetic field of a bar magnet
- Electromagnets
- Current through an electromagnet
- Using electromagnets



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