Weston Turville CE School

Whole School Curriculum Overview

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| **SPRING 1** | **SCIENCE** | | | | | |
|  | 1 | 2 | 3 | 4 | 5 | 6 |
| **Topic** | Materials | Taking care  Healthy Living | Forces and magnets | Electricity | Earth in space | Evolution and inheritance/  Classification & variation |
| **Knowledge** | Names of materials  Properties of materials  Importance of recycling | That the following are necessary for a healthy lifestyle   * Exercise * Healthy diet * Hygiene | Names of forces  Effects of forces  How to perform a fair test?  How to use evidence to draw conclusion | Where electricity comes from  Name appliances  Identify how a circuit works  Know what conductors and insulators are | Know sun, moon and Earth are spherical  Key facts about planet Earth  Earth rotates to cause day and night  Earth orbits the sun – tilted = seasons  Moon has phases  Planets of the solar system | What is adaptation?  What is the theory of evolution?  How do we know about evolution? |
| **Skills** | Sorting  Classifying  Identifying  Naming  Describing  Observing | How to stay clean  How to make a healthy meal  How to exercise effectively | Fair testing  Using clues to determine which force is acting  Writing a reasonable conclusion  Working cooperatively | Create a circuit to allow an appliance to work  Adapt the circuit to fulfil a purpose  Suggest suitable materials to insulate wires | Record data and results of increasing complexity  Use diagrams, tables, bar and line graphs and 3D models  Make well-reasoned predictions  Use ideas of the Earth’s rotation to explain day and night  Use evidence to dispute/refute scientist’s theories | Recognise that living things produce offspring of the same kind  Recognise that living things have changed over time  Understand how humans evolved over time  Research and find out about Charles Darwin  Identify how animals and plants have adapted to suit their environment |
| **Vocabulary** | Wood  Plastic  Wool  Fabric  Hard  Soft  Bendy  Stretchy  Fragile  See-through  Opaque  Glass | Food, sort, classify, Venn diagram, Carroll diagram, healthy diet, dairy, fruits, vegetables, meat, fish, beans, fat, sugar, bread, potatoes, cereals, exercise, physical activity, hot, sweaty, heart beating, tired, aching, muscles, hygiene | Force, act, effect, push, pull, gravity, air resistance, friction, fair, variable, result, conclude, conclusion, predict, prediction | Appliances, battery, bulb, wire, buzzer, cell, circuit, component, conductor, current, switch, devise, electricity, energy, fuel, generate, insulator, mains, motor, power source | Earth  Sun  Moon  Planets  Solar system  Constellation  Gravitational pull  Asteroid  Orbit  Seasons  Phases  Time zones  Eclipse | Evolution  , inherit, theory, species, adaptation, mutation, variation, maladaptation, offspring, fossil, extinct, ancestor, characteristic, breeding, natural selection |