Weston Turville CE School

Whole School Curriculum Overview

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| **SPRING 1**  | **SCIENCE** |
|  | 1 | 2 | 3 | 4 | 5 | 6 |
| **Topic** | Materials | Taking careHealthy Living  | Forces and magnets  | Electricity | Earth in space | Evolution and inheritance/Classification & variation  |
| **Knowledge** | Names of materialsProperties of materialsImportance of recycling  | That the following are necessary for a healthy lifestyle* Exercise
* Healthy diet
* Hygiene
 | Names of forcesEffects of forcesHow to perform a fair test?How to use evidence to draw conclusion  | Where electricity comes fromName appliancesIdentify how a circuit worksKnow what conductors and insulators are | Know sun, moon and Earth are sphericalKey facts about planet EarthEarth rotates to cause day and nightEarth orbits the sun – tilted = seasonsMoon has phasesPlanets of the solar system | What is adaptation?What is the theory of evolution?How do we know about evolution? |
| **Skills** | SortingClassifyingIdentifyingNamingDescribingObserving  | How to stay cleanHow to make a healthy mealHow to exercise effectively  | Fair testingUsing clues to determine which force is actingWriting a reasonable conclusion Working cooperatively  | Create a circuit to allow an appliance to workAdapt the circuit to fulfil a purposeSuggest suitable materials to insulate wires  | Record data and results of increasing complexityUse diagrams, tables, bar and line graphs and 3D modelsMake well-reasoned predictionsUse ideas of the Earth’s rotation to explain day and nightUse evidence to dispute/refute scientist’s theories | Recognise that living things produce offspring of the same kindRecognise that living things have changed over timeUnderstand how humans evolved over timeResearch and find out about Charles DarwinIdentify how animals and plants have adapted to suit their environment  |
| **Vocabulary** | WoodPlasticWoolFabricHardSoftBendyStretchyFragileSee-throughOpaqueGlass  | 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 | EarthSunMoonPlanetsSolar systemConstellationGravitational pullAsteroidOrbitSeasonsPhasesTime zonesEclipse  | Evolution, inherit, theory, species, adaptation, mutation, variation, maladaptation, offspring, fossil, extinct, ancestor, characteristic, breeding, natural selection |