



EASTRY C OF E PRIMARY SCHOOL KNOWLEDGE ORGANISERS



YEAR GROUP	1
SUBJECT	Science
KEY VOCABULARY	<ul style="list-style-type: none">○ Animals including humans: Birds, fish, amphibians, reptiles, mammals and invertebrates, Feathers, scales, gills, fins, hair, land, water, backbone, skeleton, Carnivores, herbivores, omnivores, Meat, plants○ Plants: deciduous, evergreen, types of trees (ash, birch, beech, rowan, oak, sweet chestnut, apple, willow, sycamore, fir, pine, holly), wild flowering plants (e.g. daisy, dandelion, mallow), garden plants (e.g bluebells), parts of plants → roots, branch, trunk, stalk, leaf, flower, petal, seeds, bulbs, twigs.○ Seasonal change: seasons, spring, summer, autumn, winter, year, months, days, hot, warm, mild, cold, sunny, cloudy, rain, sleet, snow, hail, thunder, lightning, rainbow, wet, damp, dry, Windy, breezy, gust, Temperature, Degrees Celsius. Thermometer, Weather vane, Anemometer○ Materials: Types of materials: wood, plastic, glass, metal, water, rock, brick, fabric, sand, paper, flour, butter, milk, soil Properties of materials: hard/soft, stretchy/not stretchy, shiny/dull, rough/smooth, bendy/not bendy, transparent/not transparent, sticky/not sticky Verbs associated with materials: crumble, squash, bend, stretch, twist Senses: touch, see, hear, smell and taste
END POINTS KNOWLEDGE	<p>Animals including humans:</p> <ul style="list-style-type: none">○ I can identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammals○ I can identify and name a variety of common animals that are carnivores, herbivores and omnivores.○ I can describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles and mammals, and including pets).○ I can identify, name draw and label the basic parts of the human body and say which parts of the body is associated with each sense. <p>Plants:</p> <ul style="list-style-type: none">○ I can identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen○ I can identify and describe the basic structure of a variety of common plants including roots, stem/trunk, leaves and flowers.



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	<p>Seasons:</p> <ul style="list-style-type: none">○ I know how to observe changes across the four seasons○ I know and can observe and describe weather associated with the seasons and how day length varies <p>Materials:</p> <ul style="list-style-type: none">○ I am able to distinguish between an object and the material from which it is made.○ I know and can identify and name a variety of everyday materials, including wood, plastic, glass, water and rock.○ I know the simple physical properties of a variety of everyday materials.○ I can compare and group together a variety of everyday materials on the basis of their physical properties.
IT HELPS IF I ALREADY KNOW	<p>I know that seasons change. (Autumn Walks)</p> <p>I know the names of different seasons.</p> <p>I know how to describe natural things I see/hear/feel around me.</p> <p>I know some environments are different to the one I live in. (Arctic environments, Tin Forest)</p> <p>I know how to talk about different materials with similar and different properties. (Floating and Sinking/Boats)</p> <p>I know how to care for plants. (Planting daffodils)</p> <p>I know the features of some life cycles. (Tadpoles)</p> <p>I know how to care for natural things.</p> <p>I know what a force is and can talk about the effect of them. (Space with Beegu)</p>