



# EASTRY C OF E PRIMARY SCHOOL KNOWLEDGE ORGANISERS



<b>YEAR GROUP</b>	2
<b>SUBJECT</b>	Science
<b>KEY VOCABULARY</b>	<p>Classification - Birds, fish, amphibians, reptiles, mammals and invertebrates</p> <p>Classification - Carnivores, herbivores, omnivores</p> <p>Stages of growth of many insects – egg, larva, pupa, adult</p> <p>Names of some invertebrates – ladybirds, butterflies, dragonflies, etc</p> <p>Names of some amphibians – smooth newt, common frog, toad</p> <p>Stages of life –baby, toddler, child, teenager, adult</p> <p>Life processes – growth, nutrition (feeding), respiration (breathing is part of this)</p> <p>Hygiene – clean, wash, germs</p> <p>Foods – healthy, grow, strong, energy</p> <p><b>Types of materials:</b> wood, plastic, glass, metal, water, rock, brick, fabric, sand, paper, flour, butter, milk, soil</p> <p><b>Properties of materials:</b> hard/soft, stretchy/not stretchy, shiny/dull, rough/smooth, bendy/not bendy, transparent/not transparent, sticky/not sticky</p> <p><b>Verbs associated with materials:</b> crumble, squash, bend, stretch, twist</p> <p><b>Senses:</b> touch, see, hear, smell and taste</p>
<b>END POINTS KNOWLEDGE</b>	<p><b>ANIMAL INC HUMANS</b></p> <p>I know that animals, including humans, have offspring which grow into adults</p> <p>I know the basic stages in a life cycle for animals, including humans.</p> <p>I can find out and describe the basic needs of animals, including humans, for survival (water, food and air).</p> <p>I know the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</p>



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	<p><b>MATERIALS</b></p> <p>I can Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</p> <p>I know how shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p> <p><b>PLANTS</b></p> <p>I know how seeds and bulbs grow into mature plants and can observe &amp; describe these over time. I know how plants need water, light and a suitable temperature to grow and stay healthy.</p> <p><b>LIVING THINGS IN THEIR HABITATS</b></p> <p>I know some things are living some were once living but now dead and some things never lived. I know there is variation between living things. I know different animals and plants live in different places. I know living things are adapted to survive in different habitats. I know environmental change can affect plants and animals that live there.</p>
<p><b>IT HELPS IF I ALREADY KNOW</b></p>	<p>Animals including humans:</p> <ul style="list-style-type: none"><li>○ I can identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammals</li><li>○ I can identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li><li>○ I can describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles and mammals, and including pets).</li><li>○ 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.</li></ul> <p>Plants:</p> <ul style="list-style-type: none"><li>○ I can identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen</li><li>○ I can identify and describe the basic structure of a variety of common plants including roots, stem/trunk, leaves and flowers.</li></ul> <p>Materials:</p> <ul style="list-style-type: none"><li>○ I am able to distinguish between an object and the material from which it is made.</li></ul>



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|  | <ul style="list-style-type: none"><li>○ I know and can identify and name a variety of everyday materials, including wood, plastic, glass, water and rock.</li><li>○ I know the simple physical properties of a variety of everyday materials.</li><li>○ I can compare and group together a variety of everyday materials on the basis of their physical properties.</li></ul> |
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