



Science at Suffolks

| Year group | Autumn 1                 | Autumn 2                   | Spring 1                        | Spring 2                         | Summer 1                         | Summer 2                         |
|------------|--------------------------|----------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>1</b>   | Animals including humans | Seasonal change            | Seasonal change                 | Uses of everyday materials       | Plants                           | Seasonal Change                  |
| <b>2</b>   | Animals including humans | Uses of everyday materials |                                 | Plants                           |                                  | Living things and their habitats |
| <b>3</b>   | Rock and soils           | Forces and Magnets         | Animals including humans        |                                  | Plants                           | Light                            |
| <b>4</b>   | States of matter         | Sound                      | Electricity                     |                                  | Living things and their habitats | Animals including humans         |
| <b>5</b>   | Forces                   | Earth and space            | Properties and changes of state |                                  | Living things and their habitats | Animals including humans         |
| <b>6</b>   | Light                    | Electricity                | Evolution and inheritance       | Living things and their habitats |                                  | Animals including humans         |

Biology   Physics   Chemistry

Science at Suffolks  
Progression in Science

Progression in Working Scientifically

| EYFS  | Y1 and Y2  | Y3 and Y4   | Y5 and Y6  |
|---|--|---|--|
| <ul style="list-style-type: none"> <li>● <b>Playing and Exploring</b></li> <li style="margin-left: 20px;">Finding out &amp; exploring</li> <li style="margin-left: 20px;">Playing with what they know:</li> <li style="margin-left: 20px;">Being willing to “have a go</li> <li>● <b>Active Learning</b></li> <li style="margin-left: 20px;">Being involved &amp; concentrating</li> <li style="margin-left: 20px;">Keeping trying</li> <li style="margin-left: 20px;">Enjoying &amp; achieving what they do</li> <li>● <b>Creating and Thinking Critically</b></li> <li style="margin-left: 20px;">Having their own ideas</li> <li style="margin-left: 20px;">Making links</li> <li style="margin-left: 20px;">Choosing ways to do things</li> </ul> | <ul style="list-style-type: none"> <li>● asking simple questions and recognising that they can be answered in different ways</li> <li>● observing closely, using simple equipment</li> <li>● performing simple tests</li> <li>● identifying and classifying</li> <li>● using their observations and ideas to suggest answers to questions</li> <li>● gathering and recording data to help in answering questions.</li> </ul> | <ul style="list-style-type: none"> <li>● asking relevant questions and using different types of scientific enquiries to answer them</li> <li>● setting up simple practical enquiries, comparative and fair tests</li> <li>● making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers</li> <li>● gathering, recording, classifying and presenting data in a variety of ways to help in answering questions</li> <li>● recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables</li> <li>● reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions</li> <li>● using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions</li> <li>● identifying differences, similarities or changes related to simple scientific ideas and processes</li> <li>● using straightforward scientific evidence to answer questions or to support their findings.</li> </ul> | <ul style="list-style-type: none"> <li>● planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>● taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> <li>● recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</li> <li>● using test results to make predictions to set up further comparative and fair tests</li> <li>● reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations</li> <li>● identifying scientific evidence that has been used to support or refute ideas or arguments.</li> </ul> |

Science at Suffolks

**Biology**

Plants

| EYFS  | Y1   | Y2  | Y3   | Y4 | Y5 | Y6 |
|---|--|---|--|----|----|----|
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>They make observations of animals and plants and explain why some things occur, and talk about changes.</li> </ul> | <ul style="list-style-type: none"> <li>identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>identify and describe the basic structure of a variety of common flowering plants, including trees.</li> </ul> | <ul style="list-style-type: none"> <li>observe and describe how seeds and bulbs grow into mature plants</li> <li>find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul> | <ul style="list-style-type: none"> <li>identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers</li> <li>explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant</li> <li>investigate the way in which water is transported within plants</li> <li>explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ul> |    |    |    |
| <p>Key Vocabulary<br/>Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud</p>   |  | <p>Key Vocabulary<br/>As for year 1 plus - light, shade, sun, warm, cool, water, grow, healthy, germinate</p>   | <p>Key Vocabulary<br/>Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal – wind dispersal, animal dispersal, water dispersal</p>  |    |    |    |

Science at Suffolks

Animals, including humans

| EYFS   | Y1  | Y2  | Y3   | Y4   | Y5   | Y6   |
|--|---|---|--|--|--|--|
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They make observations of animals and plants and explain why some things occur, and talk about changes.</li> </ul> | <ul style="list-style-type: none"> <li>identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> </ul>                             | <ul style="list-style-type: none"> <li>notice that animals, including humans, have offspring which grow into adults</li> <li>find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> <li>describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul> | <ul style="list-style-type: none"> <li>identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat</li> <li>identify that humans and some other animals have skeletons and muscles for support, protection and movement.</li> </ul> | <ul style="list-style-type: none"> <li>describe the simple functions of the basic parts of the digestive system in humans</li> <li>identify the different types of teeth in humans and their simple functions</li> <li>construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ul> | <ul style="list-style-type: none"> <li>describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</li> <li>describe the life process of reproduction in some plants and animals.</li> </ul> | <ul style="list-style-type: none"> <li>identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</li> <li>recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> <li>describe the ways in which nutrients and water are transported within animals, including humans.</li> </ul> |
| <p>Key vocabulary<br/>Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves</p>  | <p>Key vocabulary<br/>Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta)</p> | <p>Key vocabulary<br/>Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, support, protect, move, skull, ribs, spine, muscles, joints</p>  | <p>Key vocabulary<br/>Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain</p>  | <p>Key vocabulary<br/>Use vocabulary from PSHE scheme of work</p>  | <p>Key vocabulary<br/>Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs and lifestyle</p>             |  |

Science at Suffolks

Living things and their habitats

| EYFS  | Y1   | Y2   | Y3  | Y4  | Y5   | Y6   |
|---|--|--|---|---|--|--|
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>They make observations of animals and plants and explain why some things occur, and talk about changes.</li> </ul> | <ul style="list-style-type: none"> <li><i>identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals identify and name a variety of common animals that are carnivores, herbivores and omnivores</i></li> </ul> | <ul style="list-style-type: none"> <li>explore and compare the differences between things that are living, dead, and things that have never been alive</li> <li>identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</li> <li>identify and name a variety of plants and animals in their habitats, including microhabitats</li> <li>describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</li> </ul> | <ul style="list-style-type: none"> <li><i>identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat</i></li> </ul> | <ul style="list-style-type: none"> <li>recognise that living things can be grouped in a variety of ways</li> <li>explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment</li> <li>recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul> | <ul style="list-style-type: none"> <li>describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</li> <li>describe the life process of reproduction in some plants and animals.</li> </ul> | <ul style="list-style-type: none"> <li>describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals</li> <li>give reasons for classifying plants and animals based on specific characteristics.</li> </ul> |
| <p>Key Vocabulary<br/>Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves</p>   | <p>Key Vocabulary<br/>Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, names</p>  |  | <p>Key Vocabulary<br/>Classification, classification keys, environment, habitat,</p>  |   | <p>Key Vocabulary<br/>Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis,</p>  | <p>Key Vocabulary<br/>Vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates,</p>  |

Science at Suffolks

|  |  |  |  |                                      |
|--|--|--|--|--------------------------------------|
|  | of local habitats e.g. pond, woodland etc., names of micro-habitats e.g. under logs, in bushes etc | human impact, positive, negative, migrate, hibernate | asexual, plantlets, runners, bulbs, cuttings | insects, flowering and non-flowering |
|--|--|--|--|--------------------------------------|

**Cross-discipline: Biology and Chemistry**

| Y1 | Y2 | Y3  | Y4 | Y5 | Y6  |
|----|----|---|----|----|---|
|    |    | Rocks   |    |    | Evolution and inheritance   |
|    |    | <ul style="list-style-type: none"> <li>● <i>compare and group together different kinds of rocks on the basis of their appearance and simple physical properties</i></li> <li>● <i>describe in simple terms how fossils are formed when things that have lived are trapped within rock</i></li> <li>● <i>recognise that soils are made from rocks and organic matter.</i></li> </ul> |    |    | <ul style="list-style-type: none"> <li>● recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</li> <li>● recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</li> <li>● identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul> <p><b><i>Link to Animals, including humans, Living things and their habitats and Materials</i></b></p> |
|    |    | Key vocabulary<br>Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil   |    |    | Key vocabulary<br>Offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils  |

Chemistry

| EYFS  | Y1  | Y2   | Y3   | Y4  | Y5  | Y6 |
|---|---|--|--|---|---|----|
|   | Everyday Materials  | Uses of everyday materials   | Rocks  | States of matter  | Properties and changes of materials   |    |
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>They explain why some things occur, and talk about changes.</li> </ul> | <ul style="list-style-type: none"> <li>distinguish between an object and the material from which it is made</li> <li>identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>describe the simple physical properties of a variety of everyday materials</li> <li>compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul> | <ul style="list-style-type: none"> <li>identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</li> <li>find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul> | <ul style="list-style-type: none"> <li>compare and group together different kinds of rocks on the basis of their appearance and simple physical properties</li> <li>describe in simple terms how fossils are formed when things that have lived are trapped within rock</li> <li>recognise that soils are made from rocks and organic matter.</li> </ul> | <ul style="list-style-type: none"> <li>compare and group materials together, according to whether they are solids, liquids or gases</li> <li>observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)</li> <li>identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ul> | <ul style="list-style-type: none"> <li>compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</li> <li>know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</li> <li>use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</li> <li>give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</li> <li>demonstrate that dissolving, mixing and changes of state are reversible changes</li> <li>explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</li> </ul> |    |
| <p>Key Vocabulary</p> <p>Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy,</p>   |   | <p>Key Vocabulary</p> <p>Names of materials – increased range from year 1</p>  | <p>Key Vocabulary</p> <p>Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water,</p>   | <p>Key Vocabulary</p> <p>Solid, liquid, gas, state change, melting, freezing, melting point, boiling point,</p>   | <p>Key Vocabulary</p> <p>Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve</p>  |    |

### Science at Suffolks

|  |  |  |  |   |  |
|--|--|--|--|---|--|
| <p>floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see through, not see through</p> | <p>Properties of materials - as for year 1 plus opaque, transparent and translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/puling, twist/twisting, squash/squashing. Bend/bending, stretch/stretching</p> | <p>soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil</p> | <p>evaporation, temperature, water cycle</p> | <p>reversible/non-reversible change, burning, rusting, new material</p> |  |
|--|--|--|--|---|--|



Science at Suffolks

Physics

| EYFS  | Y1 | Y2 | Y3   | Y4 | Y5   | Y6 |
|---|----|----|--|----|--|----|
|   |    |    | Forces and magnets   |    | Forces   |    |
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>They explain why some things occur, and talk about changes.</li> </ul> |    |    | <ul style="list-style-type: none"> <li>compare how things move on different surfaces</li> <li>notice that some forces need contact between two objects, but magnetic forces can act at a distance</li> <li>observe how magnets attract or repel each other and attract some materials and not others</li> <li>compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials</li> <li>describe magnets as having two poles</li> <li>predict whether two magnets will attract or repel each other, depending on which poles are facing.</li> </ul> |    | <ul style="list-style-type: none"> <li>explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</li> <li>identify the effects of air resistance, water resistance and friction, that act between moving surfaces</li> <li>recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li> </ul> |    |
|   |    |    | Key Vocabulary<br>Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole   |    | Key Vocabulary<br>Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears   |    |

Science at Suffolks

| EYFS  | Y1 | Y2 | Y3  | Y4 | Y5 | Y6   |
|---|----|----|---|----|----|--|
|   |    |    | Light   |    |    | Light  |
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>They make observations of animals and plants and explain why some things occur, and talk about changes.</li> </ul> |    |    | <ul style="list-style-type: none"> <li>recognise that they need light in order to see things and that dark is the absence of light</li> <li>notice that light is reflected from surfaces</li> <li>recognise that light from the sun can be dangerous and that there are ways to protect their eyes</li> <li>recognise that shadows are formed when the light from a light source is blocked by an opaque object</li> <li>find patterns in the way that the size of shadows change.</li> </ul> |    |    | <ul style="list-style-type: none"> <li>recognise that light appears to travel in straight lines</li> <li>use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye</li> <li>explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes</li> <li>use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</li> </ul> |
|   |    |    | Key Vocabulary<br>Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous   |    |    | Key Vocabulary<br>As for year 3 plus straight lines, light rays.   |

Science at Suffolks

| EYFS  | Y1 | Y2 | Y3 | Y4   | Y5 | Y6 |
|---|----|----|----|--|----|----|
|   |    |    |    | Sound  |    |    |
| <ul style="list-style-type: none"> <li>● Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>● They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>● They make observations of animals and plants and explain why some things occur, and talk about changes.</li> </ul> |    |    |    | <ul style="list-style-type: none"> <li>● identify how sounds are made, associating some of them with something vibrating</li> <li>● recognise that vibrations from sounds travel through a medium to the ear</li> <li>● find patterns between the pitch of a sound and features of the object that produced it</li> <li>● find patterns between the volume of a sound and the strength of the vibrations that produced it</li> <li>● recognise that sounds get fainter as the distance from the sound source increases.</li> </ul> |    |    |
|   |    |    |    | Key vocabulary<br>Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation  |    |    |

Science at Suffolks

| Y1 | Y2 | Y3 | Y4   | Y5 | Y6  |
|----|----|----|--|----|---|
|    |    |    | <p>Electricity</p> <ul style="list-style-type: none"> <li>● identify common appliances that run on electricity</li> <li>● construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</li> <li>● identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery</li> <li>● recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit</li> <li>● recognise some common conductors and insulators, and associate metals with being good conductors.</li> </ul> <p><i>Link to <b>Materials</b></i></p> |    | <p>Electricity</p> <ul style="list-style-type: none"> <li>● associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</li> <li>● compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches</li> <li>● use recognised symbols when representing a simple circuit in a diagram.</li> </ul> |
|    |    |    | <p>Key vocabulary<br/>Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol</p>   |    | <p>Key vocabulary<br/>Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage - NB Children do not need to understand what voltage is but will use volts and voltage to describe different batteries. The words cells and batteries are now used interchangeably</p>  |

Science at Suffolks

| EYFS  | Y1   | Y2 | Y3 | Y4 | Y5   | Y6 |
|---|--|----|----|----|--|----|
|   | Seasonal changes   |    |    |    | Earth and space  |    |
| <ul style="list-style-type: none"> <li>Children know about similarities and differences in relation to places, objects, materials and living things.</li> <li>They talk about the features of their own immediate environment and how environments might vary from one another.</li> <li>They make observations of animals and plants and explain why some things occur, and talk about changes.</li> </ul> | <ul style="list-style-type: none"> <li>observe changes across the four seasons</li> <li>observe and describe weather associated with the seasons and how day length varies.</li> </ul> <p><i>Link to <b>Plants, Animals, including humans and Living things and their habitats</b></i></p> |    |    |    | <ul style="list-style-type: none"> <li>describe the movement of the Earth, and other planets, relative to the Sun in the solar system</li> <li>describe the movement of the Moon relative to the Earth</li> <li>describe the Sun, Earth and Moon as approximately spherical bodies</li> <li>use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</li> </ul> <p><i>Link to <b>Light</b></i></p> |    |
| Key vocabulary<br>Weather (sunny, rainy, windy, snowy etc.), seasons (Winter, Summer, Spring, Autumn), sun, sunrise, sunset, day length, monsoon, thunder storm   |  |    |    |    | Key vocabulary<br>Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune) spherical, solar system, rotates, star, orbit, planets  |    |