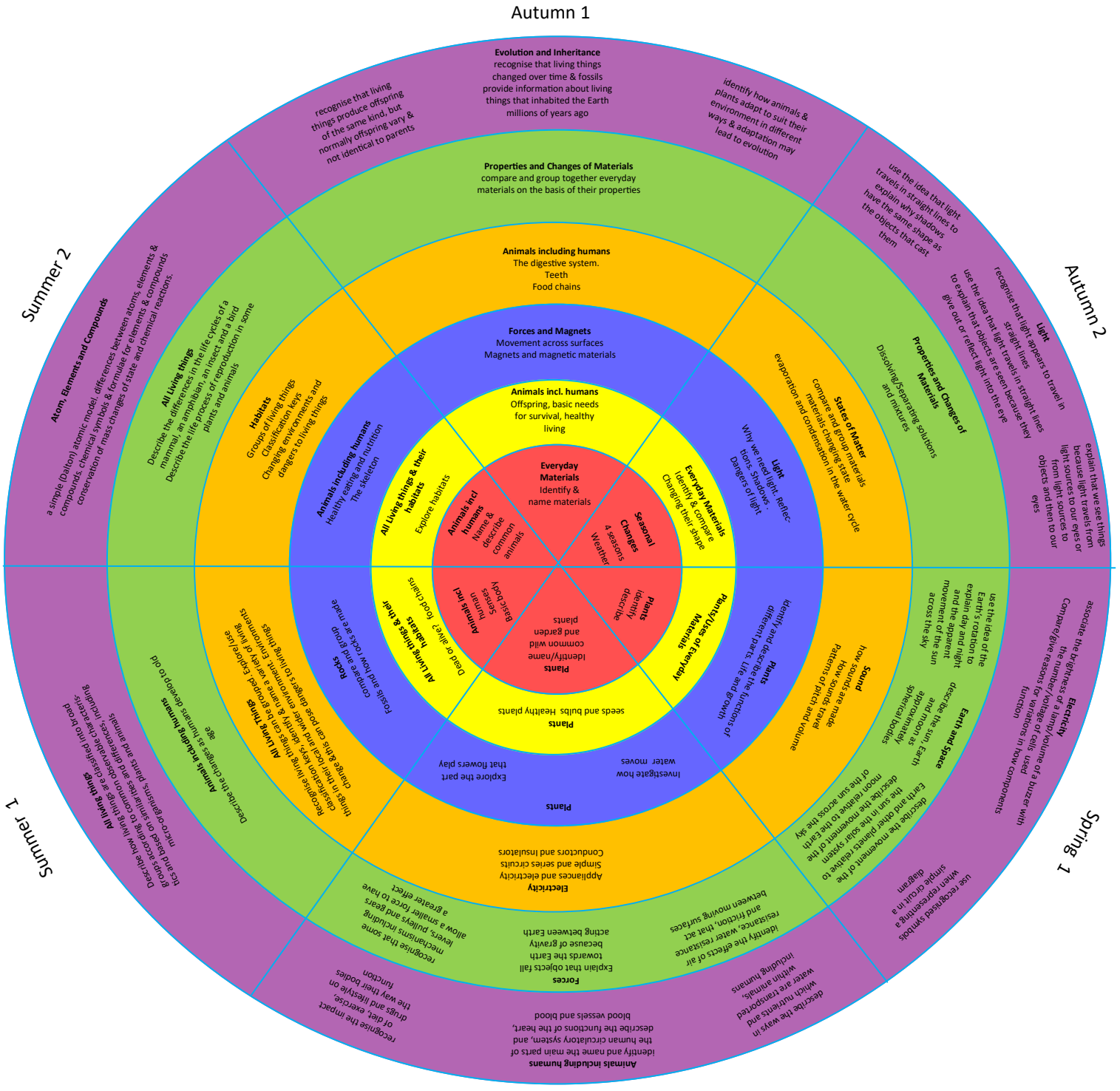
Autumn 1
Autumn 2
Spring 1
Spring 2
Summer 1
Summer 2
Evolution and Inheritance
recognise that living things changed over time & fossils provide information about living things that inhabited the Earth millions of years ago
recognise that living things produce offspring of the same kind, but normally offspring vary & not identical to parents
identify how animals & plants adapt to suit their environment in different ways & adaptation may lead to evolution
Properties and Changes of Materials
compare and group together everyday materials on the basis of their properties
Animals including humans
The digestive system.
Teeth
Food chains
Forces and Magnets
Movement across surfaces
Magnets and magnetic materials
Animals incl. humans
Offspring, basic needs for survival, healthy living
Everyday Materials
Identify & name materials
Animals incl humans
Name & describe common animals
Seasonal Changes
4 seasons
Weather
Everyday Materials
Identify & compare
Changing their shape
Plants
identify describe
Plants/Uses of Everyday Materials
identify and describe the functions of different parts. Life and growth
Plants
Identify/name common wild and garden plants
Plants
seeds and bulbs Healthy plants
Plants
Explore the part that flowers play
Investigate how water moves
Animals including humans
Healthy eating and nutrition
The skeleton
All Living things & their habitats
Explore habitats
Animals incl humans
Name & describe common animals
Animals incl human
Senses
Basic body
All Living things & their habitats
Dead or alive? Food chains
Rocks
compare and group
Fossils and how rocks are made
Habitats
Groups of living things
Classification keys
Changing environments and dangers to living things
All Living things
Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
Describe the life process of reproduction in some plants and animals
Atom, Elements and Compounds
a simple (Dalton) atomic model. differences between atoms, elements & compounds. chemical symbols & formulae for elements & compounds conservation of mass changes of state and chemical reactions.
Light
recognise that light appears to travel in straight lines
use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them
Properties and Changes of Materials
Dissolving/Separating solutions and mixtures
States of Matter
compare and group materials
materials changing state
evaporation and condensation in the water cycle
Light
Why we need light. Reflections. Shadows. Dangers of light
Sound
how sounds are made
How sounds travel
Patterns of pitch and volume
Earth and Space
describe the sun, Earth and moon as approximately spherical bodies
describe the movement of the Earth and other planets relative to the sun in the solar system
describe the movement of the moon relative to the Earth
describe the sun across the sky
Electricity
Appliances and electricity
Simple and series circuits
Conductors and Insulators
Forces
Explain that objects fall towards the Earth because of gravity acting between Earth
identify the effects of air resistance, water resistance and friction, that act between moving surfaces
Animals including humans
identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
describe the ways in which nutrients and water are transported within animals, including humans
recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function
recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect
use recognised symbols when representing a simple circuit in a diagram
Electricity
Compare/give reasons for variations in how components
associate the brightness of a lamp/volume of a buzzer with the number/voltage of cells used
function
use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky
All living things
Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
Animals including humans
Describe the changes as humans develop to old age
All Living things
Recognise living things can be grouped. Explore/use classification keys, identify & name a variety of living things in their local and wider environment. Environments change & this can pose dangers to living things
Rocks
compare and group
Fossils and how rocks are made
Animals including humans
Healthy eating and nutrition
The skeleton
All Living things
Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
Describe the life process of reproduction in some plants and animals
Atom, Elements and Compounds
a simple (Dalton) atomic model. differences between atoms, elements & compounds. chemical symbols & formulae for elements & compounds conservation of mass changes of state and chemical reactions.
Light
recognise that light appears to travel in straight lines
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
explain that we see things because light travels from light sources to our eyes or light sources to from light sources to objects and then to our eyes
Electricity
Compare/give reasons for variations in how components
Animals including humans
identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood
describe the ways in which nutrients and water are transported within animals, including humans
Animals including humans
Describe the changes as humans develop to old age
Animals including humans
Describe the impact of diet, exercise, drugs and lifestyle on the way their bodies function