Year 2 autumn 1 & 2

Sustainability

I know the uses of absorbent material.

Processes and Change

I know how to explore absorbent material.

Processes and Change

I know and can explore materials that are transparent, Translucent or opaque.

Sustainability

I know how to test different materials (to make an umbrella).

COMPOSITE QUESTION:

TOPIC: Everyday

Materials

What makes materials different from each

other?

Pioneer

Charles Macintosh

Inventor of the rain mac.

Processes and Change

I can give uses for materials that are transparent, translucent or opaque. Vocabulary

Opaque, transparent, translucent, reflective, nonreflective, flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend /bending,

Science Golden Threads covered in KS1 and KS2:

Climate Processes and change

Ecology Good Health

Sustainability Pioneers/Capital

Year 2 spring 1

Ecology

I know how to identify the habitats of different animals.

Ecology

I know how different animals are suited to their habitats. **Processes and Change**

I know how to explore things that are living, things that are dead and things that have never been alive.

TOPIC: Living Things and their Habitats.

COMPOSITE QUESTION:

Can you explain the balance between living things?

Climate

I know how animals are suited to the climate in their habitat.

Ecology

I know how to compare the differences between things that are living, things that are dead and things that have never been alive.

Climate

I know how to create a simple food chain.

I know how the climate affects the food chain.

Vocabulary

living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival, names of local habitats (e.g. pond, woodland etc.), names of micro-habitats (e.g. under logs, in bushes etc.), conditions, light, dark, shady, sunny, wet, damp, dry, hot, cold

Science Golden Threads covered in KS1 and KS2:

Climate Processes and change

Ecology Good Health

Sustainability Pioneers/Capital

Year 2 spring 2 **Good Health** I know what animals for survival. **Processes and Change**

Good health

I know that humans need to exercise.

Good Health

I now that humans need to eat a nutritionally balanced diet.

including humans need

TOPIC: Animals including humans

COMPOSITE QUESTION:

How do humans and animals grow and keep healthy?

Pioneers Yann Le Meur

Animal behaviourist (studies animal interactions)

Exercise physiologist (a doctor who helps people improve their fitness).



Vocabulary

Offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies (e.g. chick/chicken, kitten/cat, caterpillar/butterfly), survive, survival, water, food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (e.g. meat, fish, vegetables, bread, rice, pasta, dairy)

I know how to identify and correctly name baby animals.

Processes and Change

I know how an animal's offspring grows and changes (Lifecycles).

Science Golden Threads covered in KS1 and KS2:

Processes and change Climate

Ecology Good Health

Sustainability Pioneers/Capital

Year 2 summer 1 **Ecology** I know how to observe seeds and bulbs growing into plants. **Ecology Ecology** I know how to describe I know that plants need the process of water, light and a reproduction and suitable temperature to growth in plants. grow and stay healthy. **TOPIC: Plants** COMPOSITE QUESTION: How do plants grow and thrive? **Ecology** Pioneer/ Capital I know how to find out Oliver Rackham what plants need to British botanist grow and survive. **Ecology** I know some of the plants in my local area.

Vocabulary

Light, shade, Sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling

Science Golden Threads covered in KS1 and KS2:

Climate Processes and change

Ecology Good Health

Sustainability Pioneers/Capital

