Science at Broughton Primary School road map: Animals (including humans)

How do they survive?

How do they function?

Legacy

EYFS

Understanding the world Lifecycles





Understanding the world

Looking after ourselves



Year 1/2



What are the basic needs of an animal?



How do animals eat/ move differently?



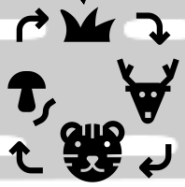
How do animals use their 5 senses to survive?



How does the human digestive system work?



How do food chains vary based on habitat?



Year 3/4





How do animals continue their legacy?
Life cycles



How do animals adapt to their surroundings?

What is the purpose of a skeleton?



What is evolution and how does it happen?



How does the human circulatory system work?



KS3

Year 5/6



Science at Broughton Primary School road map: Plants

EYFS

Understanding the world
Looking after plants

Understanding the world

Growing vegetables

Year 1/2

Where do plants come from?

What do plants need to grow?

What parts of a plant help it grow?

How do they survive?

How do they function?

Legacy

How are seeds adapted to disperse?

How do plants reproduce?

What are the different parts of a flower?

Year 3/4

What are flowers for?

How do plants make their own food?

What happens once seeds are produced?

KS3

Year 5/6

Science at Broughton Primary School road map: Forces

EYFS

Understanding the world
Using toy cars to explore movement

Understanding the world
Investigating magnets

Year 1/2

How do different things move?

How can how big the force is affect how things move?

Can force change the shape of something?

What are the different types of forces?

What affects the effect of a force?

How can we use force usefully?

How are magnets used in every day life?

What materials are magnetic?

Do all forces need contact?

Year 3/4

How do magnetic poles work?

What can affect magnetic strength?

Year 5/6

What is air resistance?

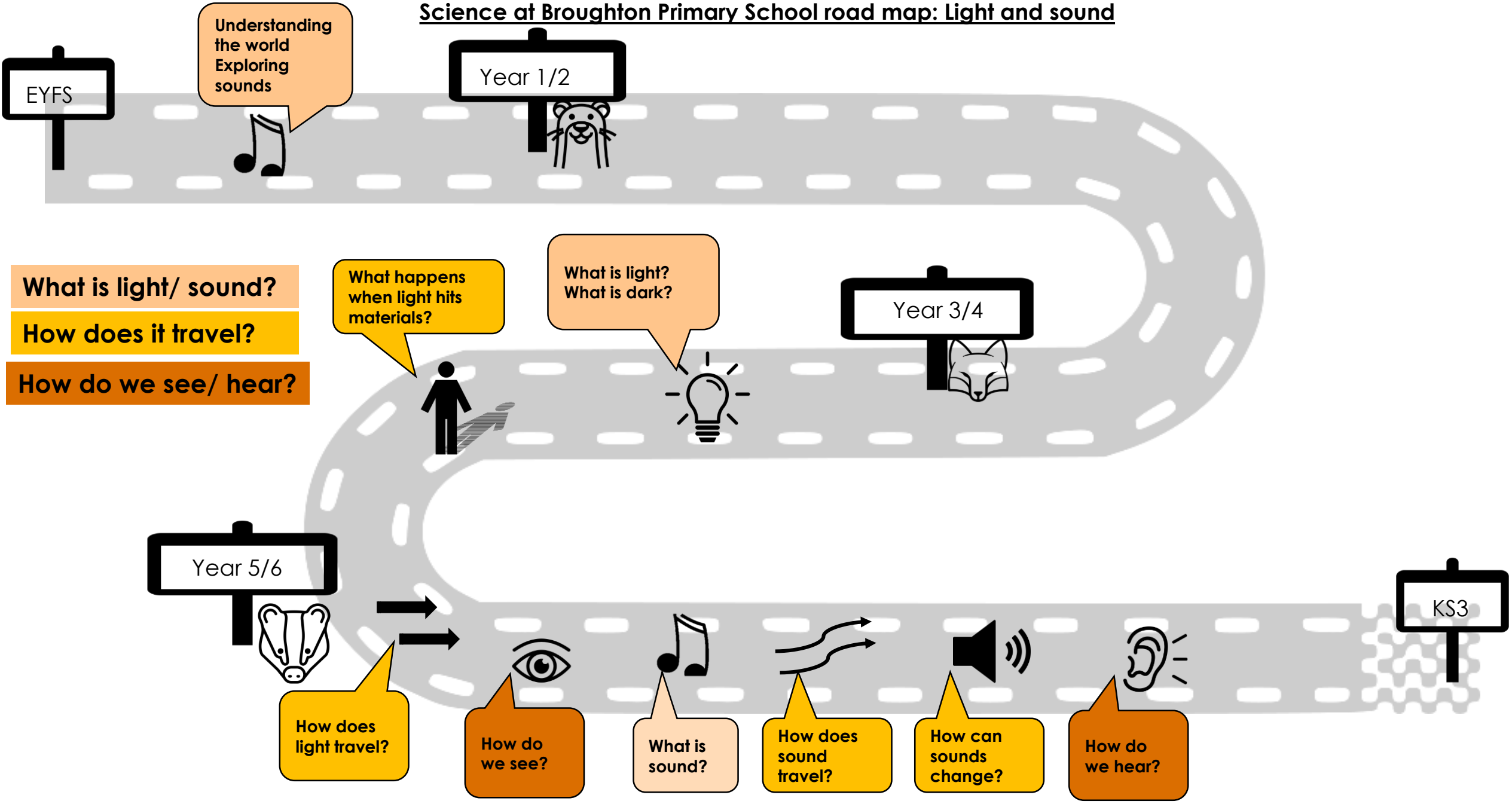
What is water resistance?

How does friction affect the movement of objects?

How can we use levers, gears and pulleys to help move things?

KS3

Science at Broughton Primary School road map: Light and sound



Science at Broughton Primary School road map: Electricity

How do we use electricity?

Components of circuits

Understanding how electricity works

EYFS

Year 1/2

What does a circuit need to work?

How can items get electricity?

What needs electricity to work?

Year 3/4

Which materials let electricity through them?

Year 5/6

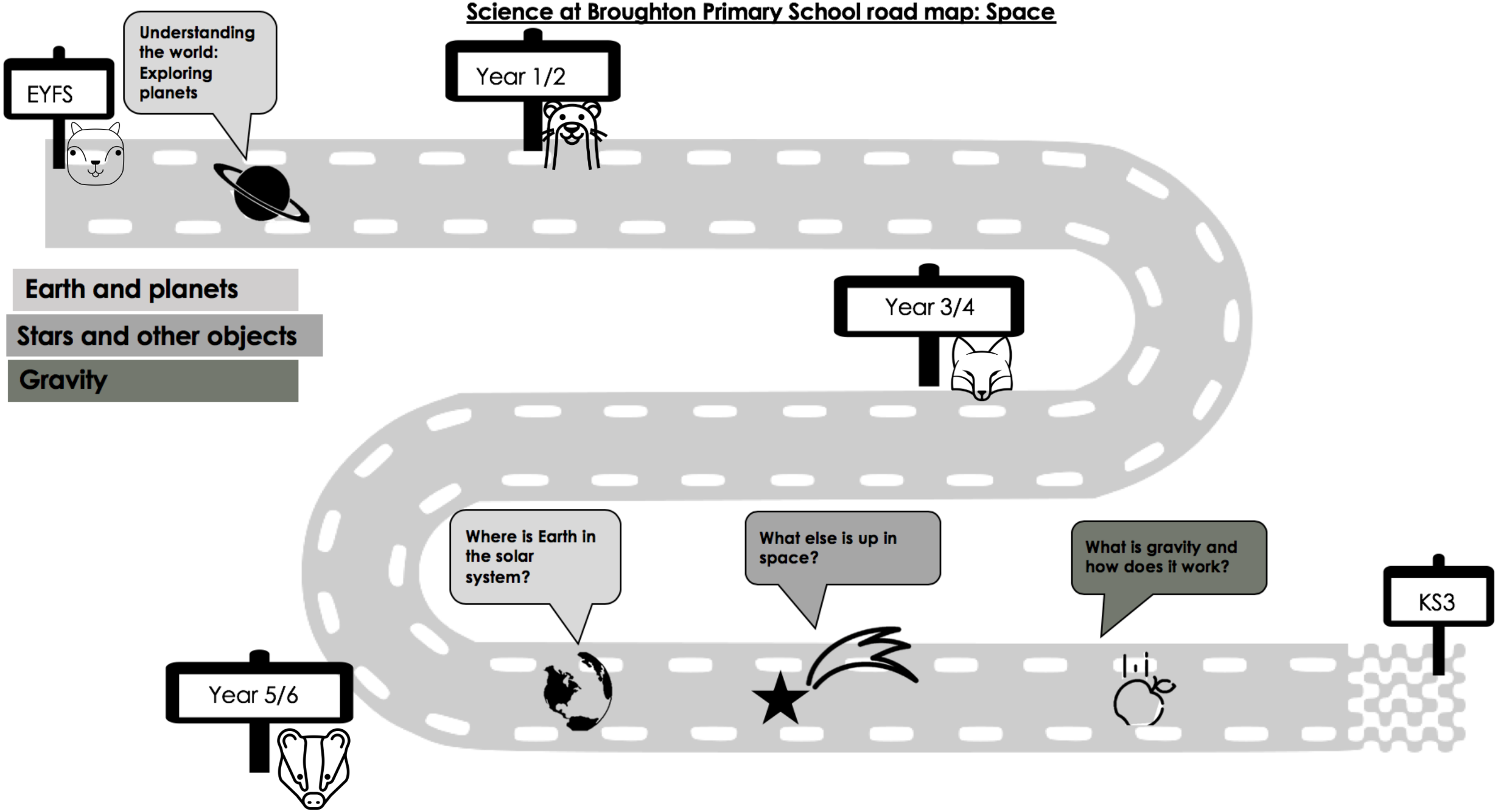
How can I represent parts of a circuit?

What is electrical current?

What is resistance?

KS3

Science at Broughton Primary School road map: Space



Earth and planets

Stars and other objects

Gravity

Science at Broughton Primary School road map: Materials and substances

EYFS

Understanding the world
Exploring different materials



Year 1/2

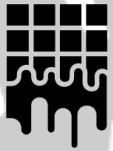
What are things made from?



How do we choose materials based on their properties?



Can we change materials?



Year 3/4

What are things made from?

Is form fixed?

Can we make new materials/ substances?

Can a material change state?



Are all rocks the same?



What are the three states of matter?



What is a mixture?



Year 5/6



How can we separate mixtures?

Can we make new substances?



How do we know if we've made a new substance?



KS3