## Early Years Explorify planning support



Curriculum statements	Explorify activities		Details
Animals			
Name and describe some plants and	Black tips	ZIZO	Dog
animals children are likely to see, encouraging children to recognise	Stripes and patches	ZIZO	Dog
familiar plants and animals whilst outside.	Wavy hair	ZIZO	Donkey
Development Matters - England	Soft nuzzle	ZIZO	Donkey
I have abcorred living things in the	Watery home	ZIZO	Frog
I have observed living things in the environment over time and am becoming	Spiky spikes	ZIZO	Hedgehog
aware of how they depend on each	Grooved lines	ZIZO	Goat
other. Scotland	Fluffy and ginger	ZIZO	Horse
	Speckled and soft	ZIZO	Horse
I can recognise that plants and animals are living things which grow.	Brown hair	ZIZO	Rabbit
Wales	Fluffy and white	ZIZO	Rabbit
	Curly locks	ZIZO	Sheep
	Green scales	ZIZO	Snake
	Small and hairy	ZIZO	Spider
	Thin strands	ZIZO	Squirrel
	Tangled up	ZIZO	Squirrel
	Shiny sections	ZIZO	Worm
	Dawn to dusk	LWCY	Birds
	Out and about	LWCY	Woodpecker, aeroplane, person walking through leaves and birds singing
	Life in the wild	LWCY	Elephant, rattle snake and chimpanzee
	Old MacDonald	LWCY	Cow, sheep and pig

	Part of the family	LWCY	Cat, dog and horse
	Foxing around	WGO	Fox
	Magpie feeding	WGO	Magpie
	Relaxing rabbit	WGO	Wild rabbits
	Water birds	WGO	Duck, swan and moorhen
	Woodlice exploring	WGO	Woodlice
	Slugs galore	WGO	Slugs
	Caterpillar changes	WJH	Butterfly lifecycle
	Flourishing flock	WJH	Lamb to sheep
	Egg, chick, chicken	WJH	Chicken lifecycle
	What's in the pond?	WJH	Frog lifecycle
Changing materials			
Provide children with opportunities to	Oozing with flavour	ZIZO	Pizza
change materials from one state to another.	Party time	ZIZO	Jelly and ice-cream
Development Matters – England	Sparkly brown	ZIZO	Leaf with frost on
Discuss changes in materials in real	Bubble fun	WGO	Children making bubbles
contexts such as cooking, freezing and	Melting moments	WGO	Candle, butter on a jacket potato and a child with a chocolate button
making dough Northern Ireland	Fairy cakes	WJH	All the stages of making a cake
Lean evalues the properties of motorials	An icy treat	WJH	Ice lolly melting
I can explore the properties of materials and choose different materials for a	Let it snow	WJH	Snowman
particular use. <b>Wales</b>			
Dinosaurs			
I can talk about science stories to develop my understanding of science	Stomp and chomp	ZIZO	A Patagotitan
and the world around me.			
Scotland			
Electricity			
Explore how things work.	Fingers ready	ZIZO	Beebot

Development Matters – England	Time to unwind	ZIZO	Remote control	
I know how to stay safe when using electricity. I have helped to make a display to show the importance of electricity in our daily lives. <b>Scotland</b>	Home help	LWCYH	Hairdryer, hoover and toaster	
Food				
Talk about healthy eating and habits for	Sweet and shiny	ZIZO	Banana	
life. Northern Ireland	Orange and tasty	ZIZO	Carrot	
	Oozing with flavour	ZIZO	Pizza	
I am beginning to make connections between my diet and my physical health	Party time	ZIZO	Jelly and ice cream	
and well-being.	In the field	ZIZO	Tractor	
Wales	Melting moments	WGO	Candle, butter on a jacket potato and a child with a chocolate button	
	Apple orchard	WJH	Apple lifecycle	
	Fairy cakes	WJH	All the stages of making a cake	
	An icy treat	WJH	Ice lolly melting	
Forces				
Explore and talk about different forces	Shiny stripes	ZIZO	swing	
they can feel. Development Matters – England	Yellow moves	ZIZO	tricycle	
	Protective layers	ZIZO	Bike helmet	
Through everyday experiences and play with a variety of toys and other objects, I	In the field	ZIZO	Tractor	
can recognise simple types of forces and	Up along and down	LWCY	Velcro, chair being dragged and a ball bouncing	
describe their effects Scotland	Beeb, beep, toot	LWCY	Traffic sounds, a vehicle reversing and horn beeping	
	Bubble fun	WGO	Children making bubbles	
Observe water, discussing and experimenting with how different objects	Does it float?	WGO	Children exploring floating and sinking	
behave in water	Magnets	WGO	A magnet attracting paper clips	
Northern Ireland	Disappearing castles	WJH	A sandcastle being washed away by the tide	
Habitats				
Explore the natural world around them. Recognise some environments that are	Grey scales	ZIZO	An acorn in a wood	
different from the one in which they live.	Watery home	ZIZO	A frog in a pond	
Development Matters – England	Speckled and shiny	ZIZO	A pebble on the beach	
	Thin strands	ZIZO	A squirrel in woodland	

I can explore the environment, make	Tangled up	ZIZO	A squirrel in woodland	
observations and communicate my ideas. Wales	Out and about	LWCY	Woodpecker, aeroplane, person walking through leaves and birds singing	
	Holiday time	LWCY	Sounds from the beach	
	Woodlice exploring	WGO	Woodlice	
	Water birds	WGO	Duck, swan and moorhen	
Humans				
I am aware of my growing body and I am learning the correct names for its	Rub a dub dub	LWCY	Sounds of cleaning teeth, showering and a washing machine	
different parts and how they work. <b>Scotland</b> Discuss safe play indoors and outdoors; show an increasing awareness of the importance of healthy food, hygienic habits, exercise and rest; <b>NI</b>	Protective layers	ZIZO	A bike helmet	
Life cycles	•			
Understand the key features of the life cycle of a plant and an animal.	Grey scales	ZIZO	An acorn in a wood	
Development matters – England	Yellow sunshine	ZIZO	Sunflower	
Evelope the life evelope for every la	Caterpillar changes	WJH	Butterfly lifecycle	
Explore the life cycle of, for example butterflies or frogs <b>Northern Ireland</b>	Egg, chick, chicken	WJH	Chicken lifecycle	
	What's in the pond?	WJH	Frog lifecycle	
	Apple orchard	WJH	Apple lifecycle	
	Bulb growing	WJH	Daffodil growing	
	Yellow weeds	WJH	A dandelion lifecycle	
Light				
Explore how you can shine light through	Dark marks	ZIZO	Shadow in a playground	
some materials, but not others. Investigate shadows. Development Matters - England	In an emergency	ZIZO	Ambulance	
	Colourful rainbows	WGO	Rainbows	
	In the light	WGO	Children creating shadows in a playground	
Materials				
Talk about the differences between	Red cracks	ZIZO	Bricks of a sandpit	
materials and changes they notice.	Hairy performance	ZIZO	Carboard theatre	

Development matters - England         Brown cracks         ZIZO         Wood of a climbing frame           Through creative play, lexplore different materials and share my reasons         Black burnps         ZIZO         Wellington boots           Through creative play, lexplore different materials and sender my reasons         Tightly woven         ZIZO         Fabric sofa           Schurd         Scratchv and silver         ZIZO         Plastic chair           Schurd         Scratchv and silver         ZIZO         Swing – metal and rubber           Schurd Marked and burnpy         ZIZO         Netal silver         ZIZO           Schurd Marked and burnpy         ZIZO         Netal silver         ZIZO           Schurd Marked and burnpy         ZIZO         Metal silver         ZIZO           Schurd Marked and burnpy         ZIZO         Metal silver         ZIZO           Schurd Marked and burnpy         ZIZO         Metal silver         ZIZO           Schurd Marke And Brein presenties of different materials and their appropriate uses.         Schurd Market and shurpy         ZIZO           Norther Inclaind         Schurd Schurd Market and shurpy         ZIZO         Metal water fountain           Disappearing casters         WJH         A sandcastle being washed away by the tide           Walter Schurd Market and shurpy	Development matters – England	Brown cracks	ZIZO	Wood of a climbing frame	
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Laplote planting and growing structured in torghout         the year, for example growing seeds and plants or bulbs in soil and water;         Northern Ireland         I can recognise that plants and animals are living things which grow.         Wales         Seasons         Understand the effect of changing seasons on the natural world around them.         Development Matters - England         Let it snow       WJH         Snowman melting         Black bumps       ZIZO         Wellington boots	Scotland	Apple orchard	WJH	Apple lifecycle	
the year, for example growing seeds and plants or bulbs in soil and water;       Friendly weeds       WJH       A dandelion lifecycle         I can recognise that plants and animals are living things which grow.       Wales       A dandelion lifecycle         Seasons       Understand the effect of changing seasons on the natural world around them.       Let it snow       WJH       Snowman melting         Development Matters - England       Elack bumps       ZIZO       Wellington boots	Explore planting and growing throughout	Bulb growing	WJH	Daffodil growing	
Northern Ireland       I can recognise that plants and animals are living things which grow.         Wales       Image: With grow.         Seasons       Image: With grow.         Understand the effect of changing seasons on the natural world around them.       Image: Let it snow       WJH       Snowman melting         Development Matters - England       Black bumps       ZIZO       Wellington boots	the year, for example growing seeds and	Friendly weeds	WJH	A dandelion lifecycle	
I can recognise that plants and animals are living things which grow.Image: WalesWalesImage: Wight of the second s					
are living things which grow.       wates       wates         Seasons       Let it snow       WJH       Snowman melting         Development Matters - England       Elack bumps       ZIZO       Wellington boots					
Wales       Wales         Seasons       Viderstand the effect of changing seasons on the natural world around them.       Let it snow       WJH       Snowman melting         Development Matters - England       Black bumps       ZIZO       Wellington boots					
Understand the effect of changing seasons on the natural world around them.       Let it snow       WJH       Snowman melting         Development Matters - England       Black bumps       ZIZO       Wellington boots					
International world around them.     Development Matters - England     Black bumps     ZIZO     Wellington boots					
Development Matters - England         Black bumps         ZIZO         Wellington boots	Understand the effect of changing seasons on the natural world around them	Let it snow	WJH	Snowman melting	
Winter wonder     ZIZO     Snowdrop		Black bumps	ZIZO	Wellington boots	
		Winter wonder	ZIZO	Snowdrop	

Explore the weather and the seasons at	Hello spring	ZIZO	Daffodil	
appropriate times during the year. Northern Ireland	Apple orchard	WJH	Apple trees over the year	
Senses				
use all their senses in hands-on	Sweet and shiny	ZIZO	Banana	
exploration of natural materials. Development Matters – England	Stripes and patches	ZIZO	Dog nose	
	Wavy hair	ZIZO	Donkey ears	
I can identify my senses and use them to explore the world around me.	Fluffy and ginger	ZIZO	Horse ears	
Scotland	Brown hair	ZIZO	Rabbit ears	
Explore using their senses to explore their immediate indoor and outdoor environments; Northern Ireland	Fairy cakes	WJH	Baking cakes	
Space				
I have experienced the wonder of looking at the vastness of the sky, and can	Looking at you	ZIZO	Astronaut on a spacewalk outside the International Space Station	
recognise the sun, moon and stars and link them to daily patterns of life.	Prepare for launch	LWCYH	Space shuttle launch	
Scotland	To the Moon and beyond	WGO	The launch of the NASA Artemis mission	
	Cleaning in space	WGO	Tim Peake cleaning on the International Space Station	
Sound				
Observe and interact with natural	Scratchy and silver	ZIZO	A sieve in a children's music area	
processes, such asa sound causing a vibration.	Beeb, beep, toot	LWCYH	Traffic sounds, a vehicle reversing and horn beeping	
Development Matters – England	Going places	LWCYH	Train, helicopter and car	
Through play, I have explored a variety	Home help	LWCYH	Hair dryer, vacuum cleaner and toaster	
of ways of making sounds. Scotland	Out and about	LWCYH	Sounds on a walk in a wood	
Scotland	Ready to play	LWCYH	Piano, guitar and drums	
Explore a range of natural and man- made materials and sounds. identify a variety of familiar sounds <b>Northern Ireland</b>				
Weather				
Encourage toddlers and young children to enjoy and explore the natural world.	Brown bumps	ZIZO	Wellington boots	
Development Matters – England	Sparkly brown	ZIZO	Frost on a leaf	
	Let it snow	WJH	Snowman	

To help children develop skills and concepts related to the world around them, they should have opportunities to engage in interesting activities that provide them with first-hand experiences to explore through their senses.	Colourful rainbow	WJH	Rainbows
Northern Ireland I can explore the environment, make observations and communicate my ideas. Wales			

ABBREVI	ABBREVIATIONS AND DESCRIPTIONS OF THE DIFFERENT EXPLORIFY ACTIVITY TYPES				
ZIZO	Zoom In, Zoom Out	Visually engaging close-up photos			
000	Odd One Out	Find similarities and differences			
WGO	What's Going On?	Short, distraction-free videos			
HYE	Have You Ever?	Activities linked to everyday experiences			
WI	What If?	Explore ideas in new contexts			
TBQ	The Big Question	Plan an investigation			
PS	Problem Solvers	Think critically and creatively			
MS	Mission Survive	Fun, imaginative hands-on challenges			
MB	Mystery Bag	Use senses to work out contents in a bag			
LWCYH	Listen What Can You Hear?	Recordings of familiar sounds			
SWA	Start With Art	Using artworks to prompt science discussion			
WJH	What Just Happened?	Observing changes over time			
WHO	Who Is?	Learn about a diverse range of scientists			

## Other recommended resources to support planning:

PLAN primary science assessment resources (planassessment.com) Assessment (TAPS) - Curriculum Materials | Primary Science Teaching Trust (pstt.org.uk) Primary Science Teaching Trust Play Observe & Ask. Explorify is managed by STEM Learning and the Primary Science Teaching Trust



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