



# Westfield Nursery School

## Key Knowledge & Vocabulary

### Theme: Numbers

Vocabulary	
Word	Definition
Number	An arithmetical value, expressed by a word, symbol, or figure, representing a particular quantity and used in counting and making calculations
Count	Determine the total number of
More	A greater or additional amount of something
Less	A smaller amount or quantity of something
Match	Be equal in quality
Half	Either of two equal or corresponding
Lots	A great many
Challenge	
Share	A part or portion of a larger amount which is divided fairly
Compare	Estimate or measure the similarity or dissimilarity between

Books
✓ 10 in a Bed
✓ The Very Hungry Caterpillar
✓ Handa's Hen
✓ Ten Terrible Dinosaurs
✓ The Doorbell Rang
✓ One Duck Stuck
✓ We All Went on Safari
✓ My Granny went to Market
✓ 10 Red Apples
✓ Nine Ducks Nine
Songs/ Rhymes
✓ 5 little speckled frogs
✓ 5 little ducks
✓ 5 little snowmen
✓ 5 little monkeys
✓ 5 little men
✓ 5 currant buns
✓ 10 in the bed
✓ 10 green bottles
✓ 10 fat sausages
✓ 1, 2, 3, 4, 5/ 1,2 Buckle My Shoe
✓ Hickory dickory dock

Key Facts
A number is a concept from mathematics, used to count or measure Mathematics is important in many different types of jobs, including engineering, business, science, medicine and more
You could discuss... How old are you?
You could try... Singing number songs Number scavenger hunt around the classroom/ outside Sing <a href="https://www.bbc.co.uk/cbeebies/watch/playlist-number-raps">https://www.bbc.co.uk/cbeebies/watch/playlist-number-raps</a> Watch and play <a href="https://www.bbc.co.uk/cbeebies/shows/numberblocks">https://www.bbc.co.uk/cbeebies/shows/numberblocks</a> Reading number stories e.g. 10 in a bed Subitising 1, 2, 3 with a range of objects Counting and 1:1 correspondence e.g. sorting bears Giving number which is one more/ one less Representing numbers in different ways and using different media Playing dominoes/ Playing number bingo Playing games with dice e.g. Incy Wincy Spider Matching amount to correct number e.g. bricks, candles, flowers Explore half
Did you know... Different names for the number 0 include zero, nought, naught, nil Infinity means a limitless quantity or something that goes on forever



## Westfield Nursery School Key Knowledge & Vocabulary

**Theme: Superheroes (Refer back to people who help us)**

Vocabulary	
Word	Definition
Superhero	A fictional character who protects innocent people and fights for good
Characteristics e.g. brave- ready to face and endure danger or pain; show courage kind- the quality of being friendly, generous, and considerate helpful-ready to give help	
Descriptive words e.g. fast- move at high speed strong- having the power to move heavy weights or perform other physically demanding tasks	
Superpowers e.g. jump- push off a surface into the air run- move at higher speed than walking with both feet off the ground fly- move through the air	
Challenge	
Imagination	form new ideas/ images
superpower	exceptional or extraordinary power or ability
Named power e.g. flying, super strength, super speed	
Named heroes e.g. Superman, Ironman	

Books
✓ My Dad's a Superhero
✓ Supertato
✓ Superworm
✓ Super Duck
✓ 10 Little Superheroes
✓ Super Daisy
Songs/ Rhymes
✓ Let's be Superheroes (youtube)
✓ 5 Superheroes Song (sung to 5 little ducks) Super Superheroes song (sung to Incy Wincy Spider)
✓ Let's be Superheroes (youtube)
✓ 5 Superheroes Song (sung to 5 little ducks) Super Superheroes song (sung to Incy Wincy Spider)
Wow
• Superhero visit

Key Facts
<ul style="list-style-type: none"> <li>Modern superheroes include Spiderman, Superman, Ironman, Aqua Man, Captain America, Hulk, Thor, Wonder Woman</li> <li>Some superheroes don't actually have superpowers but are merely strong individuals who want to do good in the world e.g. Batman</li> <li>Most superheroes keep their identities a secret by wearing masks or helmets. This is because superheroes don't want for villains to know who they are because then they would be able to hurt superheroes' friends and family.</li> </ul>
<p>You could discuss...</p> <p>Who is the superhero in your family? Who are real superheroes who help you? What is your superpower? Who is your favourite superhero? What superpower would you have? Why?</p>
<p>You could try...</p> <p>Padlocks/ keys- (unlock the superhero) Design and make superhero costumes e.g. masks, shields, cuffs Design and make superhero puppets Make superhero comic strips Make a superhero den Make a superhero photobooth for children to take/ print photos Make superhero slime/ potions Outside play hot lava (use superpowers to avoid the lava) Outside play superhero races (running/ jumping) Outside play hide and seek (use superpowers to find friends) Outside complete superhero stars (each star has a different exercise e.g. 5 marches, 3 jumps, 1 run around the red road)</p>
<p>Did you know...</p> <p>Superman is vegetarian</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Buildings and Construction (Refer back to Local Area)

Vocabulary	
Word	Definition
brick	A small rectangular block typically made of fired clay, used in building
wall	A brick or stone structure that encloses
tower	A tall, narrow building
building	house- a building where people live hospital- a place where sick or injured people are looked after library- a building containing collections of books, films and music to be borrowed shop- a building where goods are sold
tall	Greater than average measure of height
short	Smaller than average measure of height
strong, stronger	Able to withstand force or pressure
wobbly	Tending to move unsteadily from side to side
stable	Not likely to give way or overturn; firmly fixed
Challenge	
wood	Hard, fibrous material that forms the main substance of the trunk of a tree
plastic	Synthetic material that can be moulded into shape while soft, and then set into a rigid or slightly elastic form
metal	Solid material, which is typically hard, shiny and malleable (able to be hammered or pressed into shape without breaking or cracking)
paper	Material manufactured in thin sheets from the pulp of wood
card	Thick, stiff paper
bridge	A structure carrying a road, path, railway, etc. across a river, road, or other obstacle
tunnel	An artificial underground passage, especially one built through a hill or under a building, road, or river
cement mixer	A machine with a revolving drum used for mixing cement with sand, gravel, and water to make concrete
safety hat/ helmet	A lightweight protective helmet (plastic or metal) worn by construction workers
high visibility jacket	An article of PPE or safety clothing made of retro reflective materials

Books
<ul style="list-style-type: none"> <li>✓ Materials</li> <li>✓ A First Look at Science</li> </ul> Refer back to Three Little Pigs
Songs/ Rhymes
<ul style="list-style-type: none"> <li>✓ Get building Song with Nina and the Neurons</li> <li>✓ Construction song (Twinkl)</li> </ul>
Wow
<ul style="list-style-type: none"> <li>✓ Construction site</li> </ul>

Key Facts
<ul style="list-style-type: none"> <li>• An excavator's main job is to dig a lot of dirt quickly, but they can also be used to lift heavy things and lay down pipes</li> <li>• A bulldozer has a big blade on the front and is used to move objects or dig a trench. It can move all kinds of materials, even large pieces of debris!</li> <li>• A front loader looks a lot like a bulldozer, but it's scoop is further off the ground. A front loader has a moveable bucket that transports dirt. You usually see this when roads are being fixed</li> <li>• Backhoes are the most commonly seen construction vehicle. They have a bucket on the back and a shovel on to the front. These are used for smaller jobs because they can do a lot! They can backfill, dig trenches, move dirt, and place pipes</li> <li>• A crane helps when heavy things need to be lifted higher than a ladder can reach</li> </ul>
You could discuss... Can you build...? (taller or shorter than...) How can we make it stronger?
You could try... Building with construction sets-Duplo, Mobilo, Interstar, Polydron Building on a large scale- Foam bricks, wooden bricks, crates, planks Building with other materials e.g. marshmallows & straws, play dough & pasta Small world-Tuff spot tray/ rocks/ diggers Role play construction site Use tools/ tool bench (saw/ hammer etc) risk assessment required/ must be supervised Outside build obstacle course Play <a href="https://www.bbc.co.uk/cbeebies/games/nina-get-building">https://www.bbc.co.uk/cbeebies/games/nina-get-building</a> Dance to building boogie <a href="https://www.bbc.co.uk/programmes/p01z000d">https://www.bbc.co.uk/programmes/p01z000d</a>
Did you know... The Burj Khalifa is the tallest building in the world! It is in Dubai, is 2716 feet tall and has 163 stories! It has 3.56 million square feet of space inside! The "New Century Global Centre" in China may not be as tall as the Burj Khalifa, but it is WAY bigger inside! It has 18.29 million square feet of space inside. That's more than 5 times bigger!



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Animals on the Farm (Refer back to pets/ food)

Vocabulary	
Word	Definition
farm	A farm is a piece of land used to grow crops and/or raise animals.
farmer	A person who owns or manages a farm
duck	A waterbird with a broad blunt bill, short legs, webbed feet, and a waddling gait
chicken	Domestic fowl kept for its eggs or meat
pig	An omnivorous domesticated hoofed mammal with sparse bristly hair and a flat snout for rooting in the soil, kept for its meat
sheep	A domesticated mammal with a thick woolly coat. It is kept in flocks for its wool or meat
goat	Hardy domesticated mammal that has a beard. It is kept for its milk and meat
cow	A fully grown female animal kept to produce milk or beef
Plus animal sounds (quack, cluck, oink, baa, maa, moo)	
Plus description e.g. fur, feathers, colour, number of legs etc	
Challenge	
tractor	A powerful motor vehicle with large rear wheels, used on farms for moving heavy loads
duckling	Baby duck (female= duck/ male= drake)
chick	Baby chicken (female=hen/ male= rooster)
piglet	Baby pig (female= sow/ male= boar)
lamb	Baby sheep (female= ewe/ male= ram)
kid	Baby goat (female= nanny/ male= billy)
calf	Baby cow (female= cow/ male= bull)
Plus jobs on the farm (feeding, cleaning/ mucking out, milking)	
Plus parts of the farm (field, barn, pond, grass, farm house)	

Books
✓ I Love Animals
✓ The Scarecrow's Hat
✓ The Pig in The Pond
✓ Farmer Duck
✓ Nine Ducks Nine
✓ Sleep Sam (sheep)
✓ The Farm Concert
✓ Mrs Wishy Washy
✓ A Day in the Life of Greenhill Farm
✓ Number Farm
✓ Emma's Lamb
✓ Little Red Hen
Songs/ Rhymes
✓ <i>Old MacDonald</i>
✓ <i>Baa baa black sheep</i>
✓ <i>Mary had a Little Lamb</i>
✓ Little Bo Peep
✓ Five Little Ducks
✓ Farmers in the Den
✓ Driving Along in My Big Red Tractor
✓ Chicken Pokey
Wow
✓ Ark Farm visit

Key Facts
<ul style="list-style-type: none"> <li>• Land that is used to grow plants for food is called arable land</li> <li>• Land for raising animals for food is called a pastoral land</li> <li>• A farm that produces fruits or nuts is called an <i>orchard</i></li> <li>• A farm that produces grapes is called a <i>vineyard</i></li> <li>• A farm that raises and trains horses is called a <i>stable</i></li> <li>• A farm that produces milk and dairy products is called a <i>dairy farm</i></li> <li>• A large farm that produces non-essential crops like coffee, or sugarcane is called a <i>plantation</i></li> </ul>
<p>You could discuss...</p> <p>What is it? What sound does it make?</p> <p>Describe features</p> <p>What food do we get from...?</p> <p>Where does it live...?</p> <p>What does it eat...?</p>
<p>You could try...</p> <p>Small world-Farm set/ tuff spot</p> <p>Play 'What am I?'</p> <p>Sorting/ tasting food e.g. milk/ cheese/ yoghurt</p> <p>Make animal masks/ wear animal tabards</p>
<p>Did you know...</p> <p>Male sheep and goats have horns</p> <p>Cows can recognise their own name &amp; have four stomachs</p> <p>Chickens are the closest living relative to the Tyrannosaurus Rex</p> <p>Goats are great climbers</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Wild Animals in the UK

Vocabulary	
Word	Definition
In the garden- mini-beast	Tiny creatures (including insects, invertebrates, crustaceans and arachnids)
bee	A stinging winged insect which collects nectar and pollen, produces wax and honey, and lives in large communities called hives
beetle	An insect distinguished by having forewings that are typically modified into hard wing cases, which cover and protect the hindwings and abdomen
butterfly	A nectar-feeding insect with two pairs of large, typically brightly coloured wings that are covered with microscopic scales. Hold their wings erect when at rest and are active in the day
caterpillar	The larva of a butterfly or moth, which has a segmented wormlike body with three pairs of true legs and several pairs of appendages similar to legs
ladybird	A small beetle with a domed back, typically red or yellow with black spots
moth	An insect with two pairs of broad wings covered in microscopic scales, typically drably coloured and held flat when at rest. Nocturnal
slug	A tough-skinned mollusc which typically lacks a shell and secretes a film of mucus for protection
snail	A mollusc with a single spiral shell into which the whole body can be withdrawn
spider	An eight-legged predatory arachnid
worm	Creeping or burrowing invertebrate animals with long, slender, soft bodies and no limbs
woodlouse	A small terrestrial crustacean with a greyish segmented body and seven pairs of legs, living in damp habitats
Plus name of features e.g. legs/ spots	
Challenge	
In the forest- badger	A heavily built omnivorous nocturnal mammal with a grey and black coat
bat	A mainly nocturnal mammal capable of sustained flight
deer	A hoofed grazing or browsing animal, with branched bony antlers that are shed annually (males)
hedgehog	A small nocturnal mammal with a spiny coat and short legs, able to roll itself into a ball for defence
fox	A carnivorous mammal of the dog family with a pointed muzzle and bushy tail
mole	A small burrowing mammal with dark velvety fur, a long muzzle, and very small eyes, feeding mainly on worms, grubs, and other invertebrates
mouse	A small rodent that typically has a pointed snout, relatively large ears and eyes, and a long tail
owl	A nocturnal bird of prey with large eyes, a facial disc, a hooked beak, and typically a loud hooting call
rabbit	A burrowing plant-eating mammal, with long ears, long hind legs, and a short tail
squirrel	An agile tree-dwelling rodent with a bushy tail, typically feeding on nuts and seeds
Plus name of features e.g. legs/ tail/ fur	

Books
✓ Mad About Mini Beasts
✓ The Crunching, Munching Caterpillar
✓ The Very Busy Spider
✓ What the Ladybird Heard
✓ The Very Hungry Caterpillar
✓ Who am I? (owl)
✓ After the Storm (Percy the Park Keeper)
✓ Owl Babies
✓ Gruffalo
✓ Badgers Parting Gifts
✓ Ouch

Songs/ Rhymes
✓ Lots of Minibeasts (sung to heads, shoulders, knees and toes) (Twinkl)
✓ A Hedgehog is Very Prickly
✓ I'm a Little Hedgehog (sung to I'm a Little Teapot) (Twinkl)
✓ Lots of Minibeasts (sung to heads, shoulders, knees and toes) (Twinkl)
✓ Wiggly Woo
✓ I'm a Little Hedgehog (sung to I'm a Little Teapot) (Twinkl)
✓ Five Little Woodlouse (sung to Five Little Ducks) (Twinkl)

Wow
✓ Hatching butterflies

Key Facts
<ul style="list-style-type: none"> <li>✓ Minibeasts do not have a backbone</li> <li>✓ Some have a hard exoskeleton e.g. ant, woodlouse</li> <li>✓ Different minibeasts like to live in different places – under logs and stones, in leaf piles, in ponds, in trees, bushes and grass, or in the soil</li> <li>✓ Minibeasts eat all sorts of things. Lots of minibeasts eat plants and many flying insects feed on nectar from flowers. Others, such as spiders, like to eat other minibeasts</li> <li>✓ Lots of other creatures feed on minibeasts. These include bats, badgers, hedgehogs, foxes, frogs and toads, and many birds</li> <li>✓ Invertebrates make up approximately 97% of the creatures living on Earth</li> <li>✓ Many minibeasts have very good camouflage, blending them into their environment so that they can hide from predators or creep up on prey</li> </ul>
<p>You could discuss...</p> <p>What can you find? What does it look like? Can you describe legs/ eyes...? Where does it live...?</p>
<p>You could try...</p> <p>Describe features Doing a bug hunt/ looking in the bug hotel Making puppets/ masks/ dressing up Making play dough animals Role Play bug den/ mini-beast investigation lab or woodland role play Sorting the minibeasts Making a wormery Matching the minibeast to its habitat Learning about the life cycle of a butterfly Making bird feeders</p>
<p>Did you know...</p> <p>The largest earthworm ever discovered in the UK was 40cm long – more like the size of a small snake. He was named 'Dave' and is now preserved in the Natural History Museum/ Slugs have four noses/ Bats are the only mammals that can truly fly</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Wild Animals Around the World

Vocabulary	
Word	Definition
chameleon	A small slow-moving lizard with a prehensile tail, long extensible tongue, protruding eyes that rotate independently, and the ability to change colour
elephant	A large plant-eating mammal with a prehensile trunk, long curved ivory tusks, and large ears. Found in Africa/ Asia. It is the largest living land animal
giraffe	A large African mammal with a very long neck and forelegs, having a coat patterned with brown patches separated by lighter lines. It is the tallest living animal
hippopotamus	A large thick-skinned semiaquatic African mammal, with massive jaws and large tusks
lion	A large tawny-coloured cat that lives in prides, found in Africa and north-western India. The male has a flowing shaggy mane. Hunting is done by females
monkey	A small to medium-sized primate typically has a long tail, which lives in trees in tropical countries
rhinoceros	A large, heavily built plant-eating mammal with one or two horns on the nose and thick folded skin, native to Africa and Asia
tiger	A very large solitary cat with an orange coat striped with black, native to the forests of Asia
Plus name of features e.g. trunk/ tail & animal sounds	
Challenge	
crocodile	A large predatory semiaquatic reptile with long jaws, long tail, short legs, and textured skin
gorilla	A powerfully built great ape with a large head and short neck, found in the forests of central Africa. It is the largest living primate
parrot	A bird, often vividly coloured, with a short downcurved hooked bill, grasping feet, and a loud voice, found especially in the tropics and feeding on fruits and seeds
snake	A long limbless reptile which has no eyelids, a short tail, and jaws that extend
Plus name of features e.g. feathers/ teeth/ tail & animal sounds)	
rainforest	A dense forest rich in biodiversity, found typically in tropical areas with heavy rainfall
savannah	A grassy plain in tropical and subtropical regions, with few trees
desert	A waterless area of land with little or no plants, typically covered with sand

Books
<ul style="list-style-type: none"> <li>✓ The Tiger Who Came to Tea</li> <li>✓ Ten Tired Tigers</li> <li>✓ Dear Zoo</li> <li>✓ Walking through the Jungle</li> <li>✓ Raft Ride</li> <li>✓ Giraffes Can't Dance</li> <li>✓ Rhino's Horns</li> <li>✓ Mixed Up Chameleon</li> <li>✓ Monkey Puzzle</li> <li>✓ Handa's Surprise</li> </ul>
Songs/ Rhymes
<ul style="list-style-type: none"> <li>✓ <i>Daddy's taking us to the zoo tomorrow</i></li> <li>✓ Down in the Jungle</li> <li>✓ The Animal Fair</li> <li>✓ Safari Animals (sung to Heads, shoulders, knees and toes) (Twinkl)</li> <li>✓ 5 Little Monkeys</li> <li>✓ Stomp like an Elephant</li> <li>✓ Elephant</li> </ul>
Wow
<ul style="list-style-type: none"> <li>✓ Look at snake skin</li> </ul>

Key Facts
<ul style="list-style-type: none"> <li>✓ A chameleon's tongue is at least as long as its body, but it can grab prey in a fraction of a second</li> <li>✓ Elephants spend between 12 to 18 hours eating grass, plants and fruit every single day/ They make their own sunscreen with sand/ mud</li> <li>✓ Giraffes are herbivores, they only eat plants/ their height helps them look for predators</li> <li>✓ Hippos spend most of their day in rivers and lakes to stay cool. Their eyes, nose and ears are located on the top of their head, which means they can see and breathe whilst submerged in the water. What's more, these super-cool creatures sweat an oily red liquid which helps protect their skin from drying out – and acts as a sunblock, too!</li> <li>✓ Lions live in groups of 10-15 animals called prides/ They have the loudest roar of all the big cats</li> <li>✓ Tigers are carnivores/ Tigers are good swimmers</li> </ul>
<p>You could discuss...</p> <p>Have you been to the zoo? What did you see?</p> <p>Describe features. Where do they live? What do they eat?</p> <p>How can we help look after/ protect them?</p>
<p>You could try...</p> <p>Playing 'What am I?'</p> <p>Playing 'Cover up'</p> <p>Making animal masks</p> <p>Making snake paper plates</p> <p>Small world zoo/ wild animals</p> <p>Making play dough animals</p> <p>Threading bead snakes</p> <p>Look at and create Tinga Tinga paintings <a href="https://art-educ4kids.weebly.com/african-art.html">https://art-educ4kids.weebly.com/african-art.html</a></p> <p>Sing <a href="https://www.bbc.co.uk/teach/school-radio/evfs-listen-and-play-the-animal-fair/z7vp2sg">https://www.bbc.co.uk/teach/school-radio/evfs-listen-and-play-the-animal-fair/z7vp2sg</a></p>
<p>Did you know...</p> <p>The pattern of wrinkles on a gorilla's nose is unique to each one and is known as a 'nose print'</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Under the sea

Vocabulary	
Word	Definition
sand	A loose granular substance, typically pale yellowish brown, resulting from the erosion rocks
sea	The expanse of salt water that covers most of the earth's surface and surrounds its land masses
ocean	A very large expanse of sea, in particular each of the main areas into which the sea is divided geographically
seaweed	Plant growing in the sea
shell	The hard protective outer case of a mollusc or crustacean.
fish	A limbless cold-blooded vertebrate animal with gills and fins living in water
crab	A crustacean with stalked eyes, and five pairs of legs, the first pair of which are modified as pincers
octopus	A mollusc with eight sucker-bearing arms, a soft body, strong beaklike jaws, and no internal shell
shark	A long-bodied marine fish with a prominent dorsal fin
whale	Whales may look like fishes, but they are mammals. They breathe air and produce milk for their young
dolphin	A small sociable toothed whale that typically has a beaklike snout and a curved fin on the back
Challenge	
wave	Long body of water curling into an arched form and breaking on the shore
coral	Hard stony substance secreted by certain marine animals as an external skeleton, typically forming large reefs in warm seas
tide	The alternate rising and falling of the sea due to the attraction of the moon and sun
anemone	An animal with a body which bears a ring of stinging tentacles around the mouth
jellyfish	A free-swimming animal with a jelly like body that is typically transparent and has stinging tentacles around the edge
starfish	An animal with five or more radiating arms. The undersides of the arms bear tube feet for moving
Plus names of types of fish e.g. cod/ salmon	

Books
<ul style="list-style-type: none"> <li>✓ Grandpa Grandpa</li> <li>✓ Shaun The Shy Shark</li> <li>✓ Commotion in the Ocean</li> <li>✓ Sharing a Shell</li> <li>✓ Rainbow Fish</li> <li>✓ Tiddler</li> </ul>
Songs/ Rhymes
<ul style="list-style-type: none"> <li>✓ 1, 2, 3, 4, 5</li> <li>✓ Five Little Fishes (sung to 5 Little Ducks) (Twinkl)</li> <li>✓ Baby Shark</li> <li>✓ Marine Mammal Boogie Song (Sung to down in the jungle) (Twinkl)</li> <li>✓ We're Going for a Paddle (Sung to Ring O Roses) (Twinkl)</li> <li>✓ Fisherman Song (Sung to This Old Man) (Twinkl)</li> <li>✓ Oh I do like to be beside the seaside</li> <li>✓ We're Going to the Beach (sung to London's Bridge)</li> </ul>
Wow
<ul style="list-style-type: none"> <li>✓ Have a beach party</li> </ul>

Key Facts
<ul style="list-style-type: none"> <li>There are 4 major oceans- Pacific, Atlantic, Indian and Arctic</li> <li>There are smaller bodies of water called seas-Caribbean, Mediterranean, South China</li> <li>The deepest known area of the Earth's oceans is known as the Mariana Trench</li> <li>The longest mountain range in the world is found under water, the Mid-Oceanic Ridge</li> <li>The Dead Sea in the Indian ocean is the saltiest- so salty nothing can live in it</li> <li>The largest coral reef is in Australia- The Great Barrier Reef</li> </ul>
<p>You could discuss...</p> <p>Have you been to the seaside? What can we find at the seaside? What lives in the sea? Describe features of sea creatures. Where do they live? What do they eat? How can we help look after/ protect them?</p>
<p>You could try...</p> <p>Using the water tray/ tuff spot tray with shells/ ocean creatures Using sand to make sandcastles/ moulds/ art Studying/ designing patterns on fish Magnetic fishing game Making an ocean Sorting shells Doing a science experiment e.g. making waves (adding oil into water in a jar) Creating art e.g. using sponges to make a coral reef/ sea creatures from salt dough/ sun catcher jellyfish Exploring things that float &amp; sink/ boats/ making boats Role play seaside/ boat/ fishing/ under the sea/submarine Outside play sharks and minnows tag game</p>
<p>Did you know...</p> <p>The ocean is responsible for weather. The currents move heat around the planet and temperature above the oceans creates clouds and winds</p>



# Westfield Nursery School

## Key Knowledge & Vocabulary

**Theme: Under the Ground** (Refer back to wild animals in the UK) See dinosaurs

Vocabulary	
Word	Definition
dig	Break up and move earth with a tool or machine, or with hands, paws, snout
wet	Containing water
dry	Not containing water
tunnel	An underground passage
earth	The substance of the land surface
mud	Soft, sticky matter resulting from the mixing of earth and water
soil	The upper layer of earth
stone	hard solid non-metallic mineral matter of which rock is made
root	The part of a plant which attaches it to the ground conveying water and nourishment to the rest of the plant
ant	A small insect typically having a sting and living in a complex social colony
badger	A heavily built omnivorous nocturnal mammal with a grey and black coat
fox	A carnivorous mammal of the dog family with a pointed muzzle and bushy tail
mole	Moles are small, round animals with large, spade-like paws. They have small eyes and a little, pink nose.
rabbit	Rabbits are small mammals with short, soft fur. They have long pointy ears, and a fluffy tail.
worm	Creeping or burrowing invertebrate animals with long, slender, soft bodies and no limbs
Plus name of features e.g. fur/ claws & animal sounds	
Challenge	
rock	A hard material made up of one or more minerals. Rock makes up the outer layer of Earth, called the crust
fossil	The remains or impression of a prehistoric plant or animal embedded in rock and preserved
cave	Caves are natural holes on the surface of the Earth.
strong	Able to withstand force, pressure, or wear
strengthen/ reinforce	Make stronger
Plus name and description of dinosaurs	

Books
✓ Under the Ground
✓ The Enormous Turnip
✓ Superworm
✓ Dinosaur
Songs/ Rhymes
✓ Wiggly woo
✓ The Ants go Marching
✓ Underground Vegetables (sung to Frere Jacques) (Twinkl)
✓ Who lives in a cave (sung to Baa baa black sheep) (Twinkl)
Wow
✓ Classroom cave

Key Facts
<p>There are three different types of rocks- igneous (from molten magma), metamorphic (rocks that have been put under a lot of pressure and heat) and sedimentary (layers of things such as sand, mud and small stones)</p> <p>Soil consists of several layers</p> <p>Ants can lift 20 times their own body weight/ They don't have ears they feel vibrations through their feet</p> <p>Badgers live in setts/ They are omnivores</p> <p>Foxes male=dog, female=vixen, baby=cub</p> <p>Baby moles are called pups and they have no hair when they are born/ They can look after themselves after 1 month old</p> <p>Rabbits are born without fur/ they only sweat from their feet</p> <p>Earthworms do not have eyes/ They breath through their skin</p>
<p>You could discuss...</p> <p>What can you find? Is it easy/ difficult? (Comparing wet/dry soil)</p> <p>Which animals live underground? Why?</p> <p>Can you make a tunnel? How can you stop it collapsing?</p>
<p>You could try...</p> <p>Soil sensory tray</p> <p>Planting a bean to look at the roots</p> <p>Making a wormery</p> <p>Sorting rocks/ pet pebbles/ pebble art</p> <p>Experimenting with soil types</p> <p>Using small world dinosaurs</p> <p>Watch underground habitats <a href="https://www.bbc.co.uk/programmes/p01114j7">https://www.bbc.co.uk/programmes/p01114j7</a></p> <p>Watch Come Outside- Holes in the Ground <a href="https://www.youtube.com/watch?v=T3NXT4BZrMc">https://www.youtube.com/watch?v=T3NXT4BZrMc</a></p> <p>Watch Come Outside- Carrots <a href="https://youtu.be/NAevn4yVfhw">https://youtu.be/NAevn4yVfhw</a></p> <p>Watch Wizz- Worms for kids <a href="https://youtu.be/7O40A-6Jm14">https://youtu.be/7O40A-6Jm14</a></p> <p>Outside digging in the mud kitchen</p>
<p>Did you know...</p> <p>After heavy rain, earthworms crawl out of the soil because of lack of oxygen</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Dinosaurs

Vocabulary	
Word	Definition
Dinosaur	One of many reptiles that lived on Earth millions of years ago
Fossil	The remains or impression of a prehistoric plant or animal embedded in rock and preserved
Skeleton	Skeleton is a structural frame that supports an animal body
Challenge	
Carnivore	An animal that feeds on other animals
Herbivore	An animal that feeds on plants
Omnivore	An animal that eats both plants and animals
Type	Description
Diplodocus 'dip-lod-ic-uss'.	Diplodocus were plant eaters (herbivores) which grazed in large herds together. Diplodocus had very powerful back legs! Its body was balanced by a long heavy tail - often used as a weapon against attackers. Their size would also have been a deterrent to predators. It is thought to be the longest known dinosaur.
Stegosaurus 'steg-uh-sawr-us'.	The meaning of Stegosaurus is 'roofed lizard'. It had a brain the size of a ping pong ball. It was a plant eater. It didn't have many teeth. To help it digest its food, it probably swallowed stones. The stones would have moved about inside its stomach and the rough edges would help to help break up the plants the dinosaur had eaten (like crocodiles today.)
Tyrannosaurus Rex 'Tuh-ran-uh-saw-ruhs'	TRex means 'Tyrant Lizard'. It was one of the biggest meat eaters. TRex was not the biggest carnivorous dinosaur – Gigantosaurus and Spinosaurus were bigger.
Triceratops 'tri-SERa-tops'.	The meaning of Triceratops is 'three-horned face'. It had nose horns they used for defence.
Brontosaurus 'bron-tuh-saw-ruhs'	Brontosaurus meaning 'Thunder lizard' in Greek. It had large claws on their hands, which scientists believe they used to grasp trees to reach high up foliage or dig scrapes in the ground to make nests and search for water.

Books
<ul style="list-style-type: none"> <li>✓ Harry and the Dinosaurs and the Bucketful of Stories</li> <li>✓ Dinosaurumpus</li> <li>✓ Dinosaur roar</li> <li>✓ Dinosaurs love underpants</li> </ul> <p>Range of non-fiction books</p>
Songs/ Rhymes
<ul style="list-style-type: none"> <li>✓ Listen to the chorus</li> <li>✓ 10 little dinosaurs</li> </ul>
Wow
<ul style="list-style-type: none"> <li>✓ Hatch a dinosaur egg</li> <li>✓ Dino dig</li> </ul>

Key Facts
<ul style="list-style-type: none"> <li>• The word “dinosaur” actually means “terrifying lizard” in Greek</li> <li>• Fossil records show that birds are modern feathered dinosaurs</li> <li>• Dinosaurs laid eggs, usually in a nest</li> <li>• Dinosaurs are extinct</li> <li>• There were carnivorous, herbivorous and omnivorous dinosaurs</li> <li>• Some dinosaurs had feathers</li> <li>• Many dinosaurs walked on two legs</li> <li>• Some dinosaurs moved in groups</li> <li>• Dinosaurs had small brains</li> <li>• No one knows why the dinosaurs all died out, but people have different ideas</li> </ul> <p style="text-align: center;">-Pterodactyls are not dinosaurs; they were flying reptiles that lived during the age of dinosaurs</p>
<p>You could discuss...</p> <p>The colours, textures, shapes and sizes</p> <p>What happened to the dinosaurs?</p>
<p>You could try...</p> <p>Sorting dinosaurs</p> <p>Making dinosaur puppets from paper plates</p> <p>Make a dinosaur swamp using small world</p> <p>Use salt dough to make fossils</p> <p>Make dinosaur frozen eggs</p> <p>Stick a dinosaur skeleton using cotton buds</p>
<p>Did you know...</p> <p>When dinosaur bones were first found hundreds of years ago by the Chinese, they thought they were the bones of giant dragons.</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Lifecycles and Growth (Refer back to my body)

Vocabulary	
Word	Definition
<b>Bean:</b> seed- the unit of reproduction of a flowering plant, capable of developing into another such plant shoot- a young branch springing from the main stock of a tree or plant plant- a living organism of the kind exemplified by trees, shrubs, herbs, grasses, ferns, and mosses flower- the seed-bearing part of a plant bean- an edible seed, typically kidney-shaped, growing in long pods on certain plants	
<b>Butterfly:</b> egg- an oval or round object laid by a female caterpillar- larval stage pupa- an insect in its inactive immature form between larva and adult, e.g. a chrysalis. butterfly- A nectar-feeding insect with two pairs of large, typically brightly coloured wings that are covered with microscopic scales. Hold their wings erect when at rest and are active in the day	
<b>Frog:</b> spawn- eggs tadpole- tailed aquatic larva froglet- a tiny frog that has recently developed from a tadpole frog- a tailless amphibian with a short squat body, moist smooth skin, and very long hind legs for leaping	
<b>Chicken:</b> egg- an oval or round object laid by a female chick- young bird, especially one newly hatched chicken- domestic fowl kept for its eggs or meat	
first	Coming before all others in time or order
next	Coming immediately after
before	In front of someone or something
after	Behind/ in the time following
life cycle	The series of changes in the life of a plant/ animal
Plus opportunity to discuss dead mini-beast found in garden- see bereavement policy	
Challenge	
<b>Human:</b> baby- a very young child toddler- a young child who is just beginning to walk child- a young human being teenager- a person aged between 13 and 19 years adult- a person who is fully grown old age pensioner- an old person	
alive	Living, not dead
dead	No longer alive

Books
✓ Life Cycle of a Sunflower ✓ Life Cycle of a frog ✓ Life Cycle of a Chicken ✓ The Very Hungry Caterpillar ✓ Jasper's Beanstalk ✓ The Tiny Seed  ✓ Titch ✓ When I Grow Up
Songs/ Rhymes
✓ There's a Tiny caterpillar on a leaf ✓ Frog Life Cycle Song (sung to London's Burning) (Twinkl)
Wow
✓ Hatching eggs ✓ Caterpillars

Key Facts
<ul style="list-style-type: none"> <li>A life cycle is defined as the complete succession of changes undergone by an organism during its life</li> <li>All organisms go through stages of development</li> <li>Environmental conditions such as water, temperature, and light affect the development of organisms.</li> <li>In most mammals the stages of life go from the fertilized egg to the foetus, the juvenile, and then to the adult</li> <li>Birds go from the egg to the chick, to the adult</li> <li>Amphibians go from the egg to the larva, to the adult</li> <li>Plants go from the seed to the seedling, to the flowering plant</li> <li>Insects go from the egg to the larva, to the pupa, to the adult</li> </ul>
You could discuss... Can you order...? What come first, next...? What can you do now you couldn't do when you were a baby? What is the same? (e.g. hands/ feet) What changes? (e.g. babies can't walk)
You could try... Making a height chart Making life cycle story books/ plates Completing life cycle puzzles/ Making and using life cycle story stones Growing seeds in different places e.g. compost Holding an egg/ chick Hatching butterflies Role play Garden Centre
Did you know... Metamorphosis is the process of transformation from an immature form to an adult form in two or more distinct stages



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: The Environment (Refer back to local area)

Vocabulary	
Word	Definition
litter	Rubbish such as paper, cans, and bottles left lying in an open or public place
clean	Free from dirt, marks, or rubbish
dirty	Covered or marked with an unclean substance
like	To enjoy/ feel positive
dislike	To not enjoy/ feel negative
rubbish bin	A container for things that are no longer useful or wanted and that are being thrown out
Recycling	Recycling is the process of taking materials ready to be thrown away and changing them into reusable materials
recycling bin	A container for things that can be recycled
grow	A stage or condition in increasing, developing, or maturing
fruit	The sweet and fleshy product of a tree or plant that contains seed and can be eaten as food
vegetables	A vegetable is any part of a plant that is consumed and is not a seed-bearing structure
tap	A device consisting of a spout and valve attached to the end of a pipe to control the flow of water
water	A colourless, transparent, odourless liquid
Challenge	
reduce	Make smaller or less in amount, degree, or size
reuse	Use again or more than once
recycle	Convert waste into reusable material
energy	Power
light	The natural agent that stimulates sight and makes things visible
saving energy	Saving power and resources
renewable energy (e.g. wind)	Energy from a source that is not depleted when used, such as wind or solar power

Books
✓ Dinosaurs and all that rubbish
✓ Michael Recycle
Songs/ Rhymes
✓ CBeebies recycling song
Wow
✓ Rubbish monster

### Key Facts

- Recycling helps reduce the amount of waste that goes into landfills
- Recycling helps reduce the harvesting of natural resources and other finite resources we have on this planet
- There are many items that can be recycled, including but not limited to paper, glass, metal and cardboard
- Recycling can reduce air pollution
- Recycling can save forests by reducing the number of trees that need to be cut down

You could discuss...

Which bin should we use?

Where does litter go?

What do you like/ dislike about classroom/ garden?

What can we do to save energy?

You could try...

Watching a bin collection <https://www.bbc.co.uk/cbeebies/watch/my-first-recycling>

Recycled material sorting

Using recycled materials challenge 'What different things can we make from rolls/ boxes/ CD's/ fabric/ bottle tops etc.

Making recycled paper from used paper

Making recycled bird feeders

Make a recycled art wall

Role play 'Recycling station'

Sing <https://www.bbc.co.uk/cbeebies/watch/cbeebies-recycle-song>

Listen to <https://www.bbc.co.uk/cbeebies/radio/do-you-know-recycling>

Play <https://www.bbc.co.uk/cbeebies/games/tee-and-mo-our-little-world-game>

Visiting the compost bin/ use compost

Gardening/ water the garden



Did you know...

Recycling paper saves almost 80% of the energy needed to make paper from new raw materials.

Over half of the rubbish that ends up in the bin could be recycled



## Westfield Nursery School Key Knowledge & Vocabulary

### Theme: Other Places (Refer back to Local Area)

Vocabulary	
Word	Definition
road	A wide way leading from one place to another, especially one which vehicles use
houses/ flats	Buildings where people live
town	A built-up area with local government, larger than a village and smaller than a city.
countryside	The land and scenery of a rural area
field	An area of open land, planted with crops or pasture and bounded by hedges or fences
farm	An area of land and its buildings, used for growing crops and rearing animals
village	A group of houses situated in a rural area
city	A large town usually with a cathedral
Challenge	
world	The earth, together with its countries and peoples
land	The part of the earth's surface that is not covered by water
sea	The expanse of salt water that covers most of the earth's surface and surrounds its land masses
seaside	A place by the sea, especially a beach area or holiday resort.
mode of transport (car, bus, train, boat, airplane)	
river	A river is a watercourse, usually freshwater, flowing towards an ocean, sea, lake or another river
lake	A large area of water surrounded by land

Books
✓ To Town
✓ The Town Mouse and the Country Mouse
✓ Dan the Flying Man
✓ Splish, Splash, Splosh (water)
✓ Where the Forest Meets the Sea (Australia)
✓ What the Ladybird Heard at the Seaside
✓ Lighthouse Keeper's Lunch
Songs/ Rhymes
✓ Oh, I do like to be beside the seaside?
✓ Here we go off on holiday
✓
Wow
✓ Visit St Fredmunds

### Key Facts

- The United Kingdom is made up of 4 countries- England, Scotland, Wales and Northern Ireland
- Dunstable is in England
- London is the capital city of England
- There are over and at least 195 counties in the world
- The place where two countries meet is called a border
- Places of worship include church (Christian), Gurdwara (Sikh), Mosque (Muslim), Synagogue (Jewish), Temple (Hindu)

You could discuss...

Where do you live? Describe where you live.

What do you like/ dislike about where you live?

Where else can we travel? How can we get there?

Where would you like to travel? Where have you travelled? What was it like?

You could try...

Look at a globe/ world map/ map of UK/ map of local area/ map of school

Build a model of the classroom/ school garden/ imaginary place using small world

Make a map of the classroom/ school garden/ imaginary place

Sort modes of transport (land/ air/ sea)

Program a Beebot to follow a route

Story sack- The Town Mouse and the Country Mouse

Role play Seaside souvenir shop

Did you know...

The centre of the Earth is hotter than the sun!



# Westfield Nursery School

## Key Knowledge & Vocabulary

### Theme: Out of this World

Vocabulary	
Word	Definition
Earth	The planet on which we live; the world
moon	The natural satellite of the earth, visible by reflected light from the sun
planet	A celestial body moving in orbit round a star
rocket	A rocket is a spacecraft, aircraft, vehicle or projectile that obtains thrust from a rocket engine
sun	The star round which the earth orbits
space	Outer space, commonly shortened to space, is the expanse that exists beyond Earth and its atmosphere and between celestial bodies
spaceship	A spacecraft, especially one controlled by a crew
stars	A fixed luminous point in the night sky, which is a large, remote incandescent body like the sun
Name of planets (Mercury, Mars, Venus, Earth, Neptune, Uranus, Saturn, Jupiter)	
Challenge	
imaginary	existing only in the imagination, not real
pretend	imaginary
Description of pretend world	
treasure island	An imaginary island where treasure is buried
pirate	A person who attacks and robs ships at sea
ship	A ship is a large watercraft
treasure	A quantity of precious metals, gems, or other valuable objects
flag	A flag is a piece of cloth that carries a design
mermaid/merman	A mythical sea creature with the head and trunk of a human and the tail of a fish

Books
✓ Five Little Men
✓ Whatever Next
✓ Whatever Next
✓ The Jigaree
✓ Meanies
✓ How to Kick Start a Dragon
✓ The Spell Shell
✓ The Jolly Witch
✓ Room on The Broom
✓ The Hungry Giant
✓ Gruffalo's Child
✓ The Monster Party
✓ Where the Wild Things are
✓ Zog
✓ Pirates Love Underpants
Songs/ Rhymes
✓ Twinkle Twinkle
✓ Five Little Men in a Flying Saucer
✓ Over the Deep Blue Sea
✓ The Big Ship Sails Through the Alley, Alley O
✓ Puff the Magic Dragon
✓ Brave Knight Song (Sung to Frere Jacques) (Twinkl)
✓ The Castle on the Hill Song (sung to Wheels on the Bus) (Twinkl)
Wow
✓ Black out classroom
✓ Banquet

Key Facts
<ul style="list-style-type: none"> <li>There are billions of galaxies in space, and those galaxies contain billions of stars and planets</li> <li>There's no wind or weather on the moon due to the absence of an atmosphere. This, in turn, means there is no erosion of mankind's tracks and prints, which still mark the lunar surface</li> <li>A dog has gone to space</li> <li>Neil Armstrong was the first astronaut to walk on the moon</li> <li>Pirates believed that wearing pierced earrings would improve their eyesight</li> <li>Pirates often flew the Jolly Roger, which is the famous black flag with the white skull and crossbones</li> <li>Castle toilets were very smelly</li> </ul>
<p>You could discuss...</p> <p>Can anyone name any planets?</p>
<p>You could try...</p> <p>Make/ decorate planets</p> <p>Make a rocket</p> <p>Explore <a href="https://www.bbc.co.uk/cbeebies/topics/space">https://www.bbc.co.uk/cbeebies/topics/space</a></p> <p>Make/ describe a pretend world</p> <p>Make a castle/ play with small world castle</p> <p>Play with small world pirate ship</p> <p>Make treasure maps</p> <p>Dig for treasure e.g. gold coins with numbers/ sounds on them</p> <p>Outside play 'Pirates'</p> <p>Explore <a href="https://www.bbc.co.uk/cbeebies/topics/pirates">https://www.bbc.co.uk/cbeebies/topics/pirates</a></p> <p>Mermaid waterproofing investigation</p> <p>Design/ make a dragon egg/ dragon</p>
<p>Did you know...</p> <p>Aquamarine is made of mermaid tears</p>



# Westfield Nursery School Key Knowledge & Vocabulary

## Theme: Talent Show

Vocabulary	
Word	Definition
Talent	Natural aptitude or skill
Sing	Make musical sounds with the voice, especially words with a set tune
Singer	someone who sings
Dance	Move rhythmically to music, typically following a set sequence of steps
Dancer	Someone who dances
Act	The art or occupation of performing fictional roles
Actor	Someone who acts
Music	Vocal or instrumental sounds (or both) combined in such a way as to produce beauty of form, harmony, and expression of emotion
Musician	Someone who makes music
Sport	An activity involving physical exertion and skill in which an individual or team competes against another or others for entertainment
Painting	Painting is the practice of applying paint, pigment, colour or other medium to a solid surface using a brush, sponge etc
Painter	Someone who paints
Linguist	Someone who talks different languages
Challenge	
Poem	A piece of writing in which the expression of feelings and ideas is given intensity by particular attention to diction
Poet	Someone who writes poems
Craft	An activity involving skill in making things by hand
Magic	Having supernatural powers/ move, change, or create by or as if by magic
Other talents e.g. writing, pottery, maths, baking, cheering people up, juggling, storytelling, telling jokes, gaming	

Books
<ul style="list-style-type: none"> <li>✓ Giraffes Can't Dance</li> <li>✓ Amazing Grace</li> <li>✓ Rainbow Fish</li> <li>✓ The Day the Crayons Quit</li> </ul>
Poem
<p><b>If you should meet a crocodile</b>            If you should meet a crocodile            Don't take a stick and poke him;            Ignore the welcome in his smile,            Be careful not to stroke him.            For as he sleeps upon the Nile,            He thinner gets and thinner;            And whene'er you meet a crocodile            He's ready for his dinner.</p> <p style="text-align: right;"><i>Christine Fletcher</i></p>
Wow
<ul style="list-style-type: none"> <li>✓ Hold a talent show</li> </ul>

### Key Facts

<ul style="list-style-type: none"> <li>• Everyone has different skills/ talents</li> <li>• Talent takes hard work too- practise makes perfect!</li> </ul>
<p>You could discuss...</p> <p>What are you good at? What are your friends good at? What are your teachers good at? What are the people in your family good at?            What would you like to work at?            Do you know any famous people? What are their talents? Why do you like them?</p>
<p>You could try...</p> <p>Create stations inside for singing, playing instruments, dancing, painting, building, storytelling etc.            Learn and perform a song (traditional/ modern/ action) Learn and perform a dance (party dance/ traditional)            Learn and perform a poem (nursery rhyme/ poem)            Play a range of instruments following simple notation            Use cameras/ ipads to take photos/ record the performance/ watch/ practise and improve            Look at a famous work of art and create something inspired by it            Learn some words in different languages (e.g. hello in every language spoken by pupils in class)            Make a talent show programme/ tickets/ props/ costumes            Watch <a href="https://www.bbc.co.uk/cbeebies/shows/cbeebies-presents">https://www.bbc.co.uk/cbeebies/shows/cbeebies-presents</a>            Listen to <a href="https://www.bbc.co.uk/cbeebies/radio/furchester-hotel-the-furchester-talent-show">https://www.bbc.co.uk/cbeebies/radio/furchester-hotel-the-furchester-talent-show</a>  <a href="https://www.bbc.co.uk/cbeebies/radio/spot-bots-magic-show">https://www.bbc.co.uk/cbeebies/radio/spot-bots-magic-show</a>            Role play talent show/ magic show/ dance competition            Stations outside for throwing, catching, kicking, running, building etc.</p>
<p>Did you know...</p> <p>It's okay to be nervous performing in front of others</p>