

## **Our Lady Immaculate Primary School 2023 - 2024**



		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS		Play and explore in their natural environment displaying high levels of engagement.		Continue to learn new vocabulary linking to seasonal change and notice the changes in the		Use descriptive terms, such as 'hot' and 'cold'.	
2 year	S						
old	opi			seasons.			
room	T T	Children to begin to resp	•			Create simple dens w	• •
	/al	comments and nonverba	al gestures		state through ice/water	and begin to underst	and shade and
	year/all topics	and movements.		and using their senses	to explore.	keeping cool.	
		Begin to explore seasona	al change e.g. the	Explore the natural wo	orld, focusing on digging	Use senses to explore	е
	ut t	leaves are falling off the	tree.	and planting seeds.		sand/pebbles/water/bubbles.	
	gho	Exploring senses –and pu	urpose of body parts	Observe and notice flo	owers and plants		
	rou	Naming body parts.		growing using their se	nses.		
	g th	Exploring light and colours through sensory					
	ongoing throughout the	play. Exploring sound linking to bonfire night.					
	on	Play with a variety of wh	neeled toys, exploring				
	A	pushing and pulling.					
EYFS	Scientifically	Use descriptive terms, su	uch as 'fast', 'slow',	_	dark. Begin to know that	Talk about the difference	ences between the
Nursery	ıtif	'hot' and 'cold'.		the sun gives us light in		materials and change	es they notice.
	ier			light from the stars an	d reflective light from		
		Talk about and begin to	•	the moon in the night.		Exploring collections	
	ng	see in their environment	t. Notice how their			talking about their pr	operties during a
	Working	environment changes th	rough the seasons.	Plant seeds and care for	or growing plants.	range of play situation	ons.
	Š	Explore how things work		Under the key feature	• •	Exploring and talking	_
		talking about various ligh	ht sources including	Begin to understand the	ne need to respect and	ingredients when mix	xing together and
		lights, fire, torches etc.		care		cooking.	

		for the natural environment and all living	
		things.	
		Understand the key features of the life cycle of	
		a plant – seed, shoot, flower	
EYFS	Understand ideas connected to light and dark	Recognise some environments that are	Children to make observations and
Recepti	<ul><li>– e.g. reflection, nocturnal animals etc.</li></ul>	different that they live through quality texts,	drawings of plants and animals in world
on		nonfiction books and looking at a world map.	around them.
	Investigate light and dark and experiment with		
	shadows, explaining findings and talking about	Explore changing states of matter such as	Talk about the cycle of the seasons using
	changes.	exploring non-reversable changes in	prior knowledge when exploring
		ingredients when mixing together and cooking	summer.
	Explore the natural world around them	as well as reversable changes such as freezing	
	through quality and nonfiction texts, exploring	and melting water/ice.	
	different animal habitat.		
		Understand the key features of the life cycle of	
	To know that information can be found on the	a plant – seed, shoot, flower. Name the parts	
	internet as well as nonfiction books.	of the plant – root, stem, leaves,	
		and flower.	
	Everyday Materials	Animals Including Humans	Plants
	Distinguish between an object and the material	Identify and name a variety of common	Identify and name a variety of common
	from which it is made.	animals including fish, amphibians, reptiles,	wild and garden plants, including
		birds and mammals.	deciduous and evergreen trees.
	Identify and name a variety of everyday		
	materials, including wood, plastic, glass, metal,	Identify and name a variety of common	Identify and describe the basic structure
Year 1	water, and rock.	animals that are carnivores, herbivores and	of a variety of common flowering plants,
	Base that the street and a street are a street of	omnivores.	including trees.
	Describe the simple physical properties of a		
	variety of everyday materials.	Describe and compare the structure of a	
	Common and support to eath on a consistence	variety of common animals (fish, amphibians,	
	Compare and group together a variety of	reptiles, birds and mammals, including pets).	
	everyday materials on the basis of their simple		
	physical properties.		

			of the human body an body is associated wit						
	Seasonal Changes (Ongoing throughout the year – visit during each of the 4 seasons)  Observe changes across the 4 seasons.  Observe and describe weather associated with the seasons and how day length varies								
Year 2	Plants Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Animals including humans Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	Animals including humans (Continued) Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	Living things and their habitats Explore and compare the differences between things that are living, dead, and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.	Plants (Continued) Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	Use of everyday materials Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by			

				Identify and name a		squashing,
				variety of plants and		bending,
				animals in their		twisting and
				habitats, including		stretching.
				microhabitats.		stretering.
				Describe how animals		
				obtain their food from		
				plants and other		
				animals, using the idea		
				of a simple food chain,		
				and identify and name		
				different sources of		
				food .		
	Plants	Plants (Continued)	Rocks and minerals	Forces and magnets	Animals including	Light
	Identify and describe	Explore the part that	Compare and group	Compare how things	humans	Recognise that
	the functions of	flowers play in the life	together different	move on different	Identify that	they need light in
	different parts of	cycle of flowering	kinds of rocks on the	surfaces.	animals,	order to see things
	flowering plants:	plants, including	basis of their	Notice that some forces	including humans,	and that dark is
	roots, stem/trunk,	pollination, seed	appearance and	need contact between	need	the absence of
	leaves and flowers.	formation and seed	simple physical	2 objects, but magnetic	the right types and	Light.
	Explore the	dispersal.	properties.	forces can act at a	amount of	Notice that light is
	requirements of	alspersui.	Describe in simple	distance.	nutrition,	reflected from
	plants for life and		terms how fossils	Observe how magnets	and that they	surfaces.
Year 3	growth (air, light,		are formed when	attract or repel each	cannot	Recognise that
	water, nutrients from		things that have	other	make their own	light from the sun
	soil, and room to		lived are trapped	and attract some	food;	can be dangerous
	grow) and how they		within rock.	materials and not	they get nutrition	and that there are
	vary from plant to		Recognise that soils	others. Compare and	from	ways to protect
	plant.		are made from rocks	group together a	what they eat.	their eyes.
	Investigate the way		and organic matter.	variety of everyday	Identify that	Recognise that
	in which water is			materials on the	humans	shadows are
	transported within				and some other	formed when the
	plants.				animals have	light from a light

				basis of whether they are attracted to a magnet, and identify some magnetic materials.  Describe magnets as having 2 poles.  Predict whether 2 magnets will attract or repel each other, depending on which poles are facing.	skeletons and muscles for support, protection and movement.	source is blocked by an opaque object. Find patterns in the way that the size of shadows change.
Year 4	States of matter Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). Identify the part played by evaporation and	Living things and their habitats Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and that this can sometimes pose dangers to living things.	Animals including humans Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.	Animals including humans (Continued)	Sound Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from sounds travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it. Find patterns	Electricity Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is

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	condensation in the				between the	part of a complete
	water cycle and				volume of a sound	loop with a
	associate				and the strength of	battery.
	the rate of				the vibrations that	Recognise that a
	evaporation				produced it.	switch opens and
	with temperature.				Recognise that	closes a circuit and
					sounds get fainter	associate this with
					as the distance	whether or not a
					from the sound	lamp lights in a
					source increases.	simple series
						circuit.
	Earth and space	Living things and	Animals including	Forces	Properties and	Properties and
	Describe the	their habitats	humans	Explain that	changes of	changes of
	movement of the	Describe the	Describe the	unsupported objects	materials Compare	materials
	Earth and other	differences in the	changes as humans	fall towards the Earth	and group together	(Continued)
	planets relative to	life cycles of a	develop to old age.	because of the force	everyday	Give reasons
	the sun in the solar	mammal, an		of gravity acting	materials on the	based on evidence
	system.	amphibian, an		between the Earth and	basis of their	from comparative
	Describe the	insect and a bird.		the falling object.	properties,	and fair tests, for
	movement of the	Describe the life		Identify the effects	including their	the particular uses
	moon relative to the	process of		of air resistance, water	hardness,	of everyday
	Earth.	reproduction in some		resistance and friction,	solubility,	materials,
Year 5	Describe the sun,	plants and		that act between	transparency,	including wood,
	Earth and moon as	animals.		moving surfaces.	conductivity	metals and plastic.
	approximately			Recognise that some	(electrical and	Demonstrate that
	spherical bodies.			mechanisms including	thermal), and	dissolving, mixing
	Use the idea of the			levers, pulleys and	response to	and changes of
	Earth's rotation to			gears allow a smaller	magnets.	state are reversible
	explain day and night			force to have a greater	Know that some	changes.
	and the apparent			effect.	materials will	Explain that some
	movement of the sun				dissolve in liquid to	changes result in
	across the sky.				form a solution,	the formation of
	,				,	new materials, and

					and describe how	this kind of change
					to recover a	is usually not
					substance from	reversible,
					a solution.	including changes
					Use knowledge of	associated with
					solids, liquids and	burning and the
					gases to decide	action of acid on
					how mixtures	bicarbonate of
					might be	soda.
					separated,	
					including through	
					filtering, sieving	
	-				and evaporating.	
	Evolution and	Evolution and	Animals including	Light	Living things and	Electricity
	inheritance	Inheritance	humans	Recognise that light	their habitats	Associate the
	Recognise that living	(Continued)	Identify and name	appears to travel in	Describe how living	brightness of a
	things have changed	Recognise that living	the main parts of	straight lines.	things are classified	lamp or the
	over	things have changed	the human	Use the idea that light	into broad groups	volume of a
	time and that fossils	over	circulatory	travels in straight lines	according to	buzzer with the
	provide information	time and that fossils	system, and describe	to explain that objects	common	number and
	about living things	provide information	the functions of the	are seen because they	observable	voltage of cells
	that	about living things	heart, blood vessels	give out or reflect light	characteristics and	used in the circuit.
Year 6	inhabited the Earth	that	and blood.	into the eye.	based on	Compare and give
i cai o	millions of years ago.	inhabited the Earth	Recognise the	Explain that we see	similarities and	reasons for
	Recognise that living	millions of years ago.	impact of diet,	things because light	differences,	variations in how
	things produce	Recognise that living	exercise,	travels from light	including	components
	offspring	things produce	drugs and lifestyle	sources to our eyes or	microorganisms,	function, including
	of the same kind, but	offspring	on the way their	from light sources to	plants and animals.	the brightness of
	normally offspring	of the same kind, but	bodies function.	objects and then to	Give reasons for	bulbs, the
	vary and are not	normally offspring	Describe the ways in	our eyes.	classifying plants	loudness of
	identical to	vary and are not	which nutrients and	Use the idea that light	and animals based	buzzers and the
	their parents.	identical to	water are	travels in straight lines	on specific	on/off position of
		their parents.	transported within	to explain why shadows	characteristics.	switches.

	Identify how animals	Identify how animals	animals, including	have the same shape	Use recognised
	and plants are	and plants are	humans.	as the objects that	symbols when
	adapted to suit	adapted to suit		cast them.	representing a
	their environment in	their environment in			simple circuit in a
	different ways and	different ways and			diagram.
	that adaptation may	that adaptation may			
	lead to evolution.	lead to evolution.			