

Science Year 3 and Year 4 2026-2027 B

Yr3/ Yr4 B	1.1	WDIKA Rocks and fossils	Name three types of rocks Compare and contrast the 3 different types of rocks	Investigate Properties of permeability, hardness And acid test	WDIKA Fossils and fuels	To know what are fossils. Understand how fossils are formed. Know why fossils only be found in a sedimentary rock. Understand disadvantages of fossil fuels	Assessment	Understand how the 3 types of rocks are formed Understand uses of rocks related to their properties. Know how fossils are formed And only formed in sedimentary rocks. Disadvantages of using fossil fuels	igneous metamorphic sedimentary fossil soil topsoil compost
Skill—Sc Enquiry – Year3 Be able to compare objects based on more sophisticated, observable features.						Knowledge: – Year3 Be able to choose a rock for a use because of its property Be able to explain how and in which rock fossils are formed			
Skill—Sc Enquiry—Year4 Be able to ask a range of Yes/No questions to aid sorting						Knowledge: —Year4 Explain why fossils are formed in sedimentary rocks			
	1.2	WDIKA Soil	Understand how soil is formed. What is soil made up of How are the soils different	Investigate the property of permeability of soil and how it affects plant growth	Understand how compost is formed and its importance	Assessment		Understand That soils are made from rocks and organic matter Understand that the permeability of soil decides healthy plant growth.	manure decompose
Skill—Sc Enquiry– Year3 Decide what to change and how often to take a measurement Refer directly to their evidence when answering their question						Knowledge: – Year3 Be able to understand texture and formation of soil is directly related to healthy plant growth			
Skill—Sc Enquiry—Year4 Prepare own tables to record data Present data in bar charts						Knowledge: —Year4 Explain which soil will be suitable for growing healthy plants			

Yr3/ Yr4 B	2.1	WDIKA Forces	Know few properties of a magnet Investigate magnetic and non-magnetic objects	Plan a fair test to find the strength of magnets	Understand Why the compass always points in the north direction	Know the uses of magnets in our daily life	Assessment	To know that a magnetism is a kind of a force Understand that Earth is a magnet Know the few properties of a magnet Know the importance of a magnet in our daily life	property push pull poles attract repel		
Skill—Sc Enquiry– Year3 Prepare own tables to record data Present data in bar charts						Knowledge: – Year3 Be able to give reasons how properties of magnets help us Be able to give uses of magnets					
Skill—Sc Enquiry—Year4 Decide what to change and how often to take a measurement Refer directly to their evidence when answering their question						Knowledge: —Year4 Explain why Earth is a magnet Give the properties of magnets					
Yr3/ Yr4 B	2.2	WDIKA Human skeleton And Balanced Diet	Know the functions of a skeleton and humans have exo and endo skeletons.	Name a few bones in the human body—the longest and shortest bone	Investigate length of the femur and how far you can jump	Understand how muscles work	Investigate Lifestyle of an athletic	Understand what a balanced diet is Revisit and consolidate the role of nutrients and food groups	Assessment	Know the functions of the skeletons. Know why we should have a balanced diet.	exo/ endoskeleton nutrients vertebrates invertebrates fibre muscles
Skill—Sc Enquiry– Year3 Be able to answer their questions using simple scientific language Where appropriate provide oral or written explanations for their findings						Knowledge: – Year3 Be able to list the functions of the skeletons.					
Skill—Sc Enquiry—Year4 Take repeat readings where necessary Suggest improvements e.g. to method of taking measurements						Knowledge: —Year4 Identify few bones in the human body and explain how muscles help in movement					

Yr3/ Yr4 B	3.1	WDIKA Light	Understand that light travels in a straight line Know what opaque, transparent and translucent means	Investigate how shadows are formed	Draw a diagram to show how shadows are formed	Plan a fair test on how to change the size of a shadow	Recognise light from the sun can be dangerous and how we can protect ourselves in summer Investigate how shadows change during the day	Assessment	Know that light travels in a straight line Why shadows change during the day and how to protect our eyes from the sun Understand what is a shadow	Ultraviolet light reflection light source reflect opaque transparent translucent
Skill—Sc Enquiry– Year3 Present what they have learnt verbally or using labelled diagrams Decide what to measure and observe.						Knowledge: – Year3 Being able to understand the sun is useful as well as harmful				
Skill—Sc Enquiry—Year4 Refer directly to their evidence when answering their question Suggest new questions arising from the investigation.						Knowledge: —Year4 Explain how shadows are formed with the help of diagrams				
	3.2	WDIKA Plants	Understand what part of the plant transports the water and minerals to the whole plant	Know that the flower is the reproductive organ of the plant	Understand the importance of pollination	Know the different ways seeds are dispersed	Investigate What is needed for a seed to germinate and grow.	Assessment	Understand the function of a stem Know the reproductive organ of a plant Understand why pollination and seed dispersal is important. Explain the requirements of plants for life and growth vary between plants	dispersal nourish flower transportation chlorophyll pollination anchor
Skill—Sc Enquiry– Year3 Decide what to observe						Knowledge: – Year3 Be able to identify different types of pollination Be able to state the functions of a stem and flower				
Skill—Sc Enquiry—Year4 Use results from an investigation to predict a further result						Knowledge: —Year4 Identify different mechanisms that help in seed dispersal and explain the importance of seed dispersal				