

Student Books—Overview

Title	Key Content	Learning Outcomes	NLS Links	QCA Links
<i>Beneath the Waves</i>	animals' survival animal life cycles environmental issues sea myths	use of technology in ocean study facts about the octopus similarities of dolphins and humans	Text: T1 – 16, 17, 18, 23, 27; T2 – 17, 21; T3 – 17, 18, 21, 23, 25 Word: T1 – 11, 12; T2 – 11,12	ICT 4A Science 4B
<i>Designed for Living</i>	animal life cycles survival in different environments types of mammals prosthetics	what constitutes a mammal mammal use of senses herbivore and carnivore differences	Text: T1 – 23, 27; T2 – 16, 17; T3 – 20	Science 4A, 4B
<i>Fast and Furious</i>	measuring speed record breakers speed technology effects of speed	relative nature of speed understanding different speed units <i>g</i> -force influences	Text: T1 – 27; T2 – 17, 23; T3 – 20, 24 Word: T3 – 7	Science 4E ICT 4A
<i>Festivals and Feasts</i>	celebrations around the world world holidays belonging to groups daily customs	why people celebrate special days special family days why traditions are important	Text: T1 – 22, 23, 27; T2 – 17; T3 – 20	RE 4D
<i>Flight Path</i>	bird migration habitats; refuges wetland ecosystem bird-watching and photography	reasons birds migrate how bird-watchers help migrating birds importance of bird refuges	Text: T1 – 17, 27; T2 – 17, 21, 22; T3 – 16, 17, 20	Science 4B Citizenship 4A
<i>Grassland Safari</i>	life in grasslands animals and plants grassland people urban and rural life comparison	defining features of grasslands temperate and tropical grasslands zebra protection	Text: T1 – 16, 20, 24, 27; T2 – 17; T3 – 24	Geography 24 Science 4B
<i>Great Rivers</i>	major world rivers what cause change making electricity plant and animal life along a river	how rivers shape or change the land why people settle close to rivers how we change rivers	Text: T1 – 16, 23; T2 – 16, 17, 21; T3 – 16, 17, 20	Geography 8,11,24
<i>Keeping Time</i>	historical methods of telling time measurement tools time zones standard time	units of measurement lunar calendars' inaccuracy importance of Greenwich mean time	Text: T1 – 17, 23; T2 – 16, 17, 20; T3 – 20	
<i>Lands of Ice and Snow</i>	tundra ecosystems plant and animal adaptation food chains conservation	difference between polar and temperate how animals cope survival of the Inuit people	Text: T1 – 23, 27; T2 – 17, 20, 21; T3 – 19, 20, 25	Geography 24,25 Science 4B
<i>Leaving Home</i>	life in the 1800s facing challenges change over time early settlement life	why people emigrated the impact of rail travel importance of family and neighbours	Text: T1 – 16, 23, 25, 26; T2 – 16, 17; T3 – 24	Art & Design 4C Geography 9,24 History 18

	Text Type	Vocabulary	Visual Elements	Photocopy Master Skill	Siteseeing www.infosteps.co.uk
	Non-chronological reports, instructions, explanations, persuasive writing	<i>echolocation, extinction, food chain, habitat, invertebrate, photosynthesis, plankton, species</i>	illustrations with numbered text captioned diagrams gate-fold section brochure format	Photocopy Master: locating and organizing information in the form of a glossary	Zone: Plants & Animals Link: Ocean Mammals
	Non-chronological reports, explanations	<i>carnivore, echolocation, herbivore, insectivore, marsupial, momotreme, primate, prostheses, vertebrate</i>	maps and diagrams with keys illustrations with captions double-page spreads	Photocopy Master: summarizing information in the form of a KWL chart	Zone: Plants & Animals Link: Mammals
	Non-chronological reports, instructions, explanations, biography, rules	<i>carbon fibre, g-force, nutrition, regatta, relative, streamlined, technology, turbojet engine</i>	sequential charts cutaway diagram double-page spreads photographs/captions	Photocopy Master: recognizing important information to compose interview questions	Zone: Sports & Adventure Link: Speed
	Non-chronological reports, instructions, diaries	<i>ceremony, custom, heritage, memorial, symbol</i>	double-page spreads captioned photographs map references calendar symbols	Photocopy Master: organizing and summarizing information about holidays	Zone: People & Places Link: Festivals
	Non-chronological reports, discussion texts, biography	<i>blind, classify, clutch, endangered, extinct, flyways, imprinting, incubate, refuges, threatened</i>	diagrams with labels map with key photographs with captions sequenced diagram	Photocopy Master: composing a school map with a key	Zone: Plants & Animals Link: Birds in Danger
	Non-chronological reports, newspaper reports and articles, biography, diaries	<i>carnivore, ecosystem, habitat, herbivore, scavengers, stock, temperature, tropical uranium</i>	gate-fold section maps with keys cross-sectional diagram diary format	Photocopy Master: summarizing information in the form of a newspaper report	Zone: Plants & Animals Link: Grassland Animals
	Non-chronological reports, newspaper reports and articles, explanations, biography	<i>aqueduct, bayou, delta, hydroelectric, irrigate, rapids, source, tributary</i>	cross section maps with text double-page spreads zoom-in close-ups	Photocopy Master: recording important information in the form of a fact sheet	Zone: Water, Earth, & Sky Link: Rivers
	Non-chronological reports, explanations, biography, diaries	<i>lunar calendar, mechanical clock, meridian, Pope Gregory XII, Roman Empire, summer solstice, twenty-four hour clock, winter solstice</i>	captioned illustrations and photographs calendars cutaway diagram world time map	Photocopy Master: locating and matching information about time	Zone: Past & Future Link: Time
	Non-chronological reports, instructions, persuasive writing, biography, diaries	<i>Antarctic Treaty, circumnavigate, expedition, frostbite, flakier, migrate, pack ice, polar desert, tundra</i>	maps with keys captioned photographs year's cycle diagram comparative diagram	Photocopy Master: locating and recording information to compare polar regions	Zone: People & Places Link: Explorers of the Ice and Snow
	Non-chronological reports, instructions, biography, letters	<i>colony, famine, flatboat, gold rush, pioneer, smithy, squatter, steerage, wagon train</i>	historical images cartoon format photograph albums double-page spread	Photocopy Master: composing an imaginary recount of a journey	Zone: People & Places Link: Pioneers

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Title	Key Content	Learning Outcomes	NLS Links	QCA Links
Mapping the World	historical maps longitude; latitude types of maps modern mapmaking	what latitude and longitude are using grid lines to locate places using scale in maps	Text: T1 – 17, 22, 23; T2 – 17; T3 – 20	Geography 25
Medieval Days	medieval lifestyles, medicine, and city/country life castle construction and protection	daily life and education in the Middle Ages how life differed in medieval times	Text: T1 – 16, 17, 22, 23; T2 – 16, 17, 23; T3 – 2	History 18
Mighty Rome!	lifestyles and government of ancient Rome the Roman Empire present influence	main features of the Roman Empire why Roman soldiers were successful the fall of the Empire	Text: T1 – 17, 23, 27; T2 – 16, 17, 21; T3 – 20, 24 Word: T1 – 11; T2 – 12	History 6A
Oceans of the World	ocean locations coastal regions and settlements farming/harvesting and recreation	naming the 4 oceans why people settle near coasts how an ocean floor is similar to the land	Text: T1 – 17, 23; T2 – 15, 17, 21; T3 – 20, 24	Science 4B
On the Wild Side	modern scientists use of technology in science environmental science	accomplishments of environmentalists helping the environment Eugene Rutagarama's achievements	Text: T1 – 17, 23; T2 – 7, 21, 23; T3 – 16, 20, 25	Geography 8 Science 4B
Shifting Sands	survival in desert environments desert creatures bringing water to deserts desert ecosystems	understanding the nature of deserts why camels are suited to the desert causes of/cures for desertification	Text: T1 – 19, 23, 27; T2 – 16, 17, 21; T3 – 20, 24	Geography 24 Science 4B
Switch It On	defining light and sound electrical circuits behaviours of light and sound related inventions	why light is important to humans how we see colour forces used to turn turbines	Text: T1 – 22, 27; T2 – 16, 17, 21, 22; T3 – 20, 24	Science 4F
Tell Me a Story	past storytelling cultural comparison myths and legends oral traditions	myths vs. legends reasons nursery rhymes were written features of fairy tales	Text: T1 – 16, 23; T2 – 8, 9, 17; T3 – 1, 2, 20	Art & Design 3B
To the Rescue	search and rescue survival strategies profile of a survivor animal rescue work	qualities of a rescuer roles of firefighters how technology helps rescue efforts	Text: T1 – 16, 17, 23, 24; T2 – 17, 23; T3 – 20, 24 Word: T1 – 11, 20; T2 – 12	Art & Design 3B
Turbulence Ahead	types of turbulent weather weather forecasting weather disasters weather processes	destructive effects of weather how snow, sleet, and ice are formed kinds of lightning	Text: T1 – 16, 17, 23; T2 – 17, 23; T3 – 20 Word: T1 – 11, 12; T2 – 12	Geography 8 Science 4F

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	Non-chronological reports, instructions, explanations	<i>atlas, boundaries, compass, roses, hemisphere, meridian, natural resources, New World, state, topographic</i>	time line over 3 double pages maps with keys grid references and scales	Photocopy Master: recalling and sequencing events in the form of a time line	Zone: Science & Technology Link: Mapmaking
	Non-chronological reports, instructions, explanations, diaries	<i>convent, lance, manor, monastery, noble, squire, taxes, thatched, tournament</i>	diagrams with labels double-page spreads diagrams with numbered keys cutaway illustrations	Photocopy Master: summarizing information in diary form	Zone: Past & Future Link: Medieval Life
	Non-chronological reports,	<i>aqueduct, battering ram, catapult, cavalry, chariot, civilization, republic, Roman Empire, toga, tunic</i>	gate-fold section map of the Empire double-page spreads photographs/captions	Photocopy Master: summarizing important information from sections of text	Zone: Myth & Mystery Link: Rome
	Non-chronological reports, explanations	<i>coral, evaporation, export, food chain, import, resource, submersible, treaty</i>	maps with keys pie charts cutaway diagrams with labels double-page spreads	Photocopy Master: locating and rewriting information in the form of fast facts	Zone: Water, Earth, & Sky Link: Oceans
	Non-chronological reports, instructions, newspaper reports and articles, discussion texts, biography	<i>bill, conservationist, environmentalist, global warming, influential, marine laboratory, oceanographer, pesticide, submersible</i>	map with arrows to text photographs double-page spread graphs and lists	Photocopy Master: composing and summarizing information as a profile	Zone: People & Places Link: Environmental Groups
	Non-chronological reports, explanations	<i>ceremonies, desertification, downpour, evaporation, hides, irrigation, nocturnal, nomads, oasis, polar desert</i>	maps with keys double-page spreads captioned photographs and illustrations diagram with key	Photocopy Master: recording significant information in the form of a fact web	Zone: People & Places Link: Desert Resources
	Non-chronological reports, instructions, explanations	<i>diaphragm, electromagnetic, frequency, generator, magnetic field, reflect, spectrum, static electricity, turbine</i>	diagrams and photographs scale diagrams cross section	Photocopy Master: predicting results and testing the conductivity of different materials	Zone: Science & Technology Link: Light
	Non-chronological reports, instructions, biography, stories from other cultures, interviews	<i>epic, fable, folktale, Mary Queen of Scots, Middle Ages, mythical creature, nonsense rhymes</i>	double-page spreads modern and ancient artwork captioned procedure	Photocopy Master: recalling and recording the main features of fairy tales	Zone: Art & Entertainment Link: Stories
	Non-chronological reports, instructions, explanations, newspaper reports	<i>avalanche, capsizes, coast guard, disaster, flare, paramedic, rappelling, rip reports</i>	action photographs double-page spreads cartoon illustrations captioned text	Photocopy Master: composing safety rules for a variety of situations	Zone: People & Places Link: Rescue
	Non-chronological reports, instructions, newspaper reports and articles, explanations, interviews	<i>atmosphere, humid, meteorologist, ozone layer, precipitation, spherical, turbulent, water vapour</i>	diagrams with text maps with keys flow charts weather map	Photocopy Master: gathering, recording, and displaying weather information	Zone: Water, Earth, & Sky Link: Weather