

SCIENCE Biology Chemistry	PLANTS	ANIMALS, including HUMANS	ALL LIVING THINGS	EVOLUTION & INHERITENCE	MATERIALS	ROCKS
EYFS	tree plant trunk flower	fingers hand foot toes shoulders knees head elbow eyes ears nose mouth	shark (fish) frog (amphibian) lizard (reptile) parrot (bird) elephant (mammal)		freeze melt cold warm water ice	
Y1	buds bulbs wild plants garden plants environment blossom petals branches stem leaves roots <i>deciduous</i> <i>coniferous</i> <i>evergreen</i>	belly button chin leg neck hair ankle senses smell taste sight touch hearing	fish amphibian reptile bird mammal carnivore herbivore omnivore		wood plastic metal glass rock waterproof <i>strong</i> stiff materials stable	
Y2	seed light oxygen crown woodland habitat oak sycamore ash willow conifer horse chestnut beech hawthorn	offspring life cycle survival air exercise fitness <i>healthy</i> <i>diet</i> hygiene proteins carbohydrates fats vitamins	living dead habitat microhabitat food chain woodland forest river lake pond sea species		brick paper cardboard <i>fabric</i> paint solid squashing bending twisting stretching advantages disadvantages flexible	Recap

		sugar dairy products			
Y3	flowering plants nutrients transported pollen pollination seed formation seed dispersal photosynthesis	nutrients skeleton muscles support protection movement joint backbone collarbone shoulder blade humerus radius ulna femur kneecap skull cartilage ribcage pelvis shinbone organs heart lungs tendon contracts	Recap	Recap	fossil body fossil trace fossil soil organic matter sedimentary igneous metamorphic minerals organisms decaying
Y4	Recap	gallbladder liver stomach mouth oesophagus rectum intestine pancreas canines molars premolars incisors producers predators prey	pollution classification endangered extinct bark identify non-vascular vascular gymnosperms beak wingspan feathers nest vertebrate invertebrate	state heated cooled Celsius boiling freezing melting humidity	Recap

Y5	Recap	puberty teenager elderly adult child baby toddler embryo development	egg petals stigma stamen sepal ovary style germinates ovules seed pod fertilise reproduction gestation		properties hardness solubility soluble insoluble transparency conductivity thermal dissolve substance solution recover separate filtering sieving reversible irreversible burning bicarbonate of soda	
Y6	Recap	circulatory system blood carbon dioxide blood vessels atriums ventricles pulse respiratory system diaphragm bronchi alveoli drugs	micro-organisms kingdom fungi protista monera bacteria protozoa algae yeast mould mushrooms Carl Linnaeus Aristotle arthropod annelid mollusc echinoderm cnidarian sponge	adaptation evolution inheritance genes DNA chromosomes Charles Darwin primates fossilisation	Recap	Recap
PHYSICS	SEASONAL CHANGE	FORCES	LIGHT	ELECTRICITY	SOUND	EARTH AND SPACE

EYFS	rain snow cloud sun wind Autumn Spring Summer Winter					
Y1	seasons day length weather deciduous coniferous/evergreen temperature sunlight rainfall thermometer months of the year					
Y3	Recap	surfaces forces contact magnetic magnet distance attract repel poles friction	light source dark absence reflection shadow Moon Earth Sun periscope parallel			
Y4	Recap	Recap	Recap	electricity appliance series circuit cell wire bulb switch buzzer battery conductor insulator Benjamin Franklin generator	vibrating pitch volume outer ear middle ear inner ear ear drum Alexander Bell sound waves cochlea frequency telephone muffle	

				fossil fuel renewable		
Y5		gravity air resistance water resistance mechanisms levers pulleys gears parachute Newton	Recap	Recap	Recap	planet planet names Solar System rotation spherical axis star illuminated eclipse lunar orbit
Y6	Recap	Recap	light wave opaque transparent translucent refraction iris pupil retina optic nerve lens cornea concave convex	brightness voltage volts symbol power particles electrons static current	Recap	Recap

GEOGRAPHY	LOCATIONAL KNOWLEDGE	PLACE KNOWLEDGE	HUMAN & PHYSICAL GEOGRAPHY	SKILLS & FIELDWORK
EYFS	United Kingdom England Buxton town		rain snow cloud sun wind Autumn Spring Summer Winter	
Y1	Northern Ireland Scotland Wales Irish Sea North Sea English Channel Atlantic Ocean Derby		Equator globe North Pole South Pole season weather temperature rainfall rain gauge Centigrade Fahrenheit city town village factory farm house office port harbour shop	North South East West compass map map symbol map key below next to near far
Y2	continent Asia Africa North America South America	Europe Africa Kenya location wildlife	sea ocean beach cliff coast	atlas left right aerial photograph

	Antarctica Europe Australia Atlantic Ocean Pacific Ocean Indian Ocean Arctic Ocean Southern Ocean London Edinburgh Cardiff Belfast	climate drought	forest mountain river soil valley	
Y3	Derbyshire Lancashire Yorkshire Middlesex Surrey Cheshire Essex Durham Sheffield Manchester Birmingham Leeds Liverpool Newcastle River Severn River Thames River Mersey The River Tyne The River Clyde	Recap	estuary mouth source meander waterfall erosion deposition tributary ox bow lake delta stream The Nile Amazon River Yangtze River Mississippi-Missouri Yenisey water vapour evaporation condensation precipitation	Recap
Y4	Germany Berlin Spain Madrid Italy Rome France Paris Poland Warsaw Greece	European Union Euros Brexit European landmarks	Everest Alps Matterhorn Table Mountain Kilimanjaro Fuji peak cliff ridge plateau summit	North East South East South West North West

	Athens Norway Oslo Sweden Stockholm Turkey Ankara Portugal Lisbon Russia Moscow Finland Helsinki Croatia Zagreb Ben Nevis Snowden Scafell Pike Pennines Cadair Idris Tropic of Cancer Tropic of Capricorn Greenwich Meridian		hill terrain range fold mountains saturated permeable impermeable dredging prolonged riverbank valley embankment vegetation deforestation relief channels reservoir	
Y5	Argentina Bolivia Brazil Chile Colombia Ecuador Guyana Paraguay Peru Suriname Uruguay Venezuela Amazon Rainforest Congo Rainforest Australasia Rainforest Sundaland Rainforest Indo-Burma Rainforest tropics Northern hemisphere Southern hemisphere	natural resources favela street children	eruption eruption cloud main vent magma lava dormant crust magnitude landslide crater ash clouds canopy emergent layer forest floor understory deforestation endangered indigenous biome temperate	grid reference

	time zone		extinction destruction biodiversity	
Y6	latitude longitude Arctic Circle Antarctic Circle	Recap	tectonic plates aftershock tsunami Richter seismometer tremor fault magnitude landslide compression sustainable unsustainable reusable conservation solar turbine global warming greenhouse gases deforestation	Digi-map topographical maps contours ordnance survey symbol

HISTORY	CHRONOLOGICAL UNDERSTANDING	HISTORICAL KNOWLEDGE	HISTORICAL ENQUIRY SKILLS
EYFS	old new past present	Queen Elizabeth II	
Y1	earliest latest newest oldest before after timeline	blackboard chalk inkwell pen and nib skipping marbles snakes and ladders ludo Stuarts Pudding Lane Samuel Pepys Thames Drought Florence Nightingale David Attenborough Ellen Macarthur	<i>past</i> period sources
Y2	future century modern chronological	Queen Victoria Victorian workhouse gruel Rosa Parks Nelson Mandela Neil Armstrong Christopher Columbus Mother Teresa Malala Yousafzai	evidence artefacts gramophone wireless penny farthing farthing washing dolly charabanc

		explorers discrimination racism inclusion protest equality courageous orbit atmosphere spacewalk rocket mission launch astronaut satellite asteroid galaxy meteorite	
Y3	BC Before Christ AD Anno Domini	Stone age Bronze age Iron age Palaeolithic Age Mesolithic Age Neolithic Age hunter-gatherers Doggerland roundhouses settlement Ice age Beaker culture Population hill forts civilisation Skara Brae philosophy Athenians Spartans democracy Olympics Zeus temple loincloth Apollo sacred truce	archaeologists

		<p>Greece Europe ancient world Hellenes Hellas Colonies Mediterranean Sea city-states public baths Athens Athenians Sparta Spartans Peloponnesian War truce allies plague</p>	
Y4	Recap	<p>Roman Empire invade conquer tribe armour Boudica centurion emperor aqueduct gladiator Londinium Senate Roman baths Romanisation Ancient Egyptians Ancient Sumer The Shang Dynasty Indus Valley Solar calendar hieroglyphs archaeologist pharaohs tombs pyramids vizier scribe</p>	<p>primary source secondary source</p>

		mummy sarcophagus papyrus scarab afterlife	
Y5	Recap	outlaws longboat longhouse sagas pagans raids Danelaw Jorvik berserkers Odin Scandinavia kingdoms shires Northumbria East Anglia Mercia wergild glyphs codices Chichen Itza cacao ahau / ahaw batab Itzamna huipil Kin Kukulcan Uinal	Recap
Y6	Recap	Almshouses Chamberlain Congregation Courtiers Reformation Gibbet Protestant Sheath Stonemason Treason	Recap

		Axis Nazi evacuation evacuee Blitz propaganda Holocaust Luftwaffe RAF refugees kinder transport	
--	--	--	--

PE	ATHLETICS	COMPETITIVE GAMES	GYMNASTICS	DANCE	OAA	Swimming
EYFS	Run Space Safely		Balance Equipment Shapes	Dance Skipping Movement		

	Obstacles Throw		Climb Jump Hop			
Y1	Direction Pumping arms Bent knees Distance	Forehand Backhand Bounce Balance Catching Own space Team Speed W shape Receiving Passing Rules Release Inner foot Dribble Scoring	Forwards Backwards Sideways Roll Slow Moon rock Moon roll Rocket roll Bunny hop Sequence Tall Long	Travel Stillness Pattern Control Music		
Y2	Speed Stance Team performance	Game Bounce pass Chest pass Control Attack Shooting Scoring Roll Bowl Underarm Hit Fielding Sideways Dodge	Stretch Forward roll Dish saucer roll Wide Narrow High Low	Space Expression Levels Turning Sliding Speed Sequence		
Y3	Team work Relay FAST technique Rotating Combination	Keep possession Inner foot Outer foot Tackle Fair play	push pull step spring Combination	Repetition Gesturing Steps Structure	Follow Map Safety	

	Take off	Backwards Sideways Space Target Making space Send Travel with a ball	Unison Cannon Pathways	Partner		
Y4	Transition Sprinting Javelin Height Triple Jump Baton Hurdles	Position Drag back Accelerate Defend Accuracy Pressure Over arm Points Communication Batting Hold Agility	¾ turn Full turn Teddy bear roll Mirroring Apparatus Perform Timing	Action Leadership Respond Unison Reaction Pattern Choreograph	Route Risks Problems	
Y5	Pace Reaction Accelerate Accuracy Communication Measure Change over	Keeping Possession Turns Aiming Support Attackers Defenders Co-ordination (hand eye) Shoulder pass Footwork Intercept Shoot Serve Target	Rotation Flexibility Tuck Pike Leaps Patch balances Squat Spring board Link Collaborate Landing Take-off Transitions	Dance style Fluency Rhythm Pace Unison Canon	Location Compass Navigate Adapt	Breast stroke Front crawl Backstroke Survival Surface Tread water
Y6	Technique Competitive Power	Team play Pass Angles	Flight Scissor Point balances	Variation Translate Energy	Plan Danger Leadership	Technique

	Hit Pass	Precision Pivot Marking Rebound Bowler Offside Pitch Fielding Tactics	Vault Performance Evaluation Muscles Joints Symmetrical Asymmetrical	Musicality Interpretation Improvisation		
--	-------------	---	--	---	--	--

Evaluate	
Y3	Compare Contrast Improvement
Y4	Support Advice
Y5	Encouragement Reflection
Y6	Strengths Weakness

PSHE	Keeping /staying safe	Keeping /staying healthy	Relationships /growing and changing	Being responsible	Our world/The working world	A world without judgement	Feelings/ emotions	Computer safety
EYFS	Right Wrong	Healthy	Resilience Instructions	Feelings				

			Take turns					
Y1	Dangerous Road safety Risk Safe Unsafe	Unhealthy Exercise Clean Grow	Friendship Falling out	Responsibilities Accident Rules	Special Safe Unique Family life		Emotions Jealous	Rules Online Kind Unkind Technology
Y2	Choice Situation Emergency	Teeth Nutrition Lifestyle Dentist	Feelings Relationship Bullying	Goals Qualities Abilities	Communities Clean Environment Planet Wildlife		Worry Pleasant Unpleasant	Permission Share Sites Private
Y3	Hazard Reaction Trust Warning Warning sign	Medicine Rules React Doctor Prescription Allergies	Care Boundaries Emotions Impact	Stealing Borrowing Irresponsible Honest Dishonest	Money Spend Save		Anger Communicate Annoyed	Consequence Chatroom Report
Y4	Strategies Accident Keeping safe	Choices Balanced Saturated fat	Support Uncomfortable Inappropriate	Situation Important Punctual	Contribute Challenges Motivation Tax	Equality Difference Similarities Barrier	Experience Lonely Uncomfortable	E-safety rules Device
Y5	Peer pressure Impact Outcome Encourage	Smoking Addictive Wellbeing Nicotine	Puberty Changes Bodies Hormone	Appropriate Considerate	Enterprise Aspirations Money Participation	Diversity Inclusion Unique Community	Physical effects Annoyance Displeasure	Images Sharing Media Informed
Y6	Personal responsibility	Alcohol Substances Associated Influence Legal Illegal	Conception Pregnancy Reproduction Consent Menstrual	Trust Consent Circumstance	Permission Impact Borrowed	Cohesion Religion Belief Respect Inclusion Exclusion	Anxious Troubled	Age restrictions Applications (App) Age appropriate

Spanish Vocabulary

EYFS	España (Spain) Español (Spanish) Inglaterra (England) Inglés (English) ¡Hola! (hello) ¡Adiós! (goodbye) si (yes) no (no)
Year 1	uno (one) dos (two) tres (three) cuatro (four) cinco (five) seis (six) siete (seven) ocho (eight) nueve (nine) diez (ten)
Year 2	rojo (red) azul (blue) amarillo (yellow) verde (green) naranja (orange) negro (black) blanco (white) gris (grey) violeta (purple) marrón (brown)

Year 3

<p><u>Yo Aprendo Español (I'm Learning Spanish)</u></p> <p>once (eleven) doce (twelve) trece (thirteen) catorce (fourteen) quince (fifteen) dieciséis (sixteen) diecisiete (seventeen) dieciocho (eighteen) diecinueve (nineteen) veinte (twenty)</p>	<p><u>Los Animales (Animals)</u></p> <p>un león (a lion) un pájaro (a bird) un caballo (a horse) un mono (a monkey) un cerdo (a pig) una vaca (a cow) una oveja (a sheep)</p>	<p><u>La Fruta (Fruits)</u></p> <p>una manzana (an apple) una fresa (a strawberry) un plátano (a banana) una naranja (an orange) una pera (a pear) un kiwi (a kiwi)</p>	<p><u>Los Instrumentos (Musical Instruments)</u></p> <p>la trompeta (the trumpet) la batería (the drums) la guitarra (the guitar) el piano (the piano) el triángulo (the triangle) el violin (the violin) los címbalos (the cymbals)</p>	<p><u>Caperucita Roja (Little Red Riding Hood)</u></p> <p>la cabeza (the head) la boca (the mouth) la nariz (the nose) los ojos (the eyes) los pies (the feet) las orejas (the ears) las rodillas (the knees) el hombre (the shoulders)</p>	<p><u>Puedo (I can...)</u></p> <p>bailar (to dance) cantar (to sing) cocinar (to cook) saltar (to jump) escuchar (to listen) ver la tele (to watch tv) escribir (to write)</p>
--	--	--	---	--	---

Year 4

<u>Me Presento (Presenting myself)</u>	<u>La Familia (The Family)</u>	<u>Mi casa (My Home)</u>	<u>Hábitats (Habitats)</u>	<u>Mi Clase (My Classroom)</u>	<u>Ricitos De Oro y Los Tres Osos (Goldilocks and the Three Bears)</u>
diez (ten) veinte (twenty) treinta (thirty) cuarenta (fourty) cincuenta (fifty) sesenta (sixty) setenta (seventy) ochenta (eighty) noventa (ninety) cien (hundred)	la mama (the mother) la abuela (the grandmother) la tía (the aunty) la hija (the daughter) la hermana (the sister) el hijo (the son) el hermano (the brother) el tío (the uncle) el papa (the father) el abuelo (the grandfather) los padres (the parents) los abuelos (the grandparents)	una casa (a house) un piso (an apartment) en la ciudad (in town) en el campo (in the countryside) en la montaña (in the mountains) en la costa (by the sea) en un pueblo (in a village) una cocina (a kitchen) un comedor (a dining room) un cuarto de baño (a bathroom) un dormitorio (a bedroom) un salón (a living room) un garaje (a garage) un jardín (a garden)	refugio (shelter) comida (food) aire (air) sol (sun) agua (water)	un lápiz (a pencil) un bolígrafo (a pen) un libro (a reading book) una goma (a rubber) una regla (a ruler) una barra de pegamento (a glue stick) una cartera (a school bag) ¡ Escuchad ! (listen) ¡ Escribid ! (write) ¡ Silencio ! (silence) ¡ Pensad ! (think) ¡ Leed ! (read) ¡ Levantad la mano! (raise your hand)	pequeño (small) grande (big) mediano (medium) dulce (sweet) salado (salty) alta (tall/high) baja (short) dura (hard) suave (soft)

Year 5

<u>¿Tienes una mascota? (Do you have a pet?)</u> un perro (a dog) un gato (a cat) un conejo (a rabbit) un hamster (a hamster) un pez rojo (a goldfish) un ratón (a mouse)	<u>¿Qué Fecha Es Hoy? (What is the date?)</u> lunes (Monday) martes (Tuesday) miércoles (Wednesday) jueves (Thursday) viernes (Friday) sábado (Saturday) domingo (Sunday) enero (January) febrero (February) marzo (March) abril (April) mayo (May) junio (June) julio (July) agosto (August) septiembre (September) octubre (October) noviembre (November) diciembre (December)	<u>¿Qué Tiempo Hace? (The Weather)</u> está lloviendo (it is raining) está nevando (it is snowing) hay tormenta (there is a storm) hace sol (it is sunny) hace mucho viento (it is windy) hace buen tiempo (the weather is fine) hace mal tiempo (the weather is not good) hace frío (it is cold) hace calor (it is hot)	<u>La ropa (The Clothes)</u> unos pantalones (a pair of trousers) un suéter (a jumper) una camiseta (a T-shirt) un abrigo (a coat) un vestido (a dress) una corbata (a tie) una falda (a skirt) una camisa (a shirt) unos pantalones cortos (a pair of shorts) unos zapatos (a pair of shoes)	<u>Los Romanos (The Romans)</u>	<u>Las Olimpiadas (The Olympics)</u> la equitación (horse riding) la natación (swimming) el atletismo (athletics) el boxeo (boxing) el ciclismo (cycling)
--	--	--	--	--	---

Year 6

<u>En El Colegio (At School)</u>	<u>Los Verbos Regulares (Regular Verbs)</u>	<u>El Fin De Semana (The Weekend)</u>	<u>La Segunda Guerra Mundial (World War 2)</u>	<u>Los Planetas (The Planets)</u>	<u>Yo En El Mundo (Me in the World)</u>
el arte (art) la educación física (PE) la música (music) la geografía (geography) la historia (history) las matemáticas (mathematics) las ciencias (science) la informática (ICT) aburrido (boring) difícil (difficult) interesante (interesting) divertido (fun) fácil (easy)	Los Verbos Regulares (Regular Verbs) yo (I) tú (you) él (he) ella (she) nosotros (we masculine) nosotras (we feminine) vosotros (you all masculine) vosotras (you all feminine) ellos (they masculine) ellas (they feminine) beber (to drink) comer (to eat) vivir (to live) hablar (to talk)	El Fin De Semana (The Weekend) leo (I read) escucho música (I listen to music) juego a videojuegos (I play computer games) juego al fútbol (I play football) voy a la piscine (I got to the swimming pool) voy a dormir (I go to sleep) ¡Es increíble! (incredible) ¡Es genial! (great) ¡Es agotador! (exhausting) ¡Es horrible! (horrible)	La Segunda Guerra Mundial (World War 2) Francia (France) Italia (Italy) Alemania (Germany) Polonia (Poland) Los Estados Unidos (USA) Francés (French) Italiano (Italian) Alemán (German) Polaco (Polish)	Los Planetas (The Planets) gracioso/ Graciosa (funny) guapo/ guapa (good looking) alto/ alta (tall) simpático/ simpática (nice) gordo/ gorda (fat) bajo/ baja (short) delgado/ delgada (thin) inteligente (intelligent)	Yo En El Mundo (Me in the World) Cuba (Cuba) La Habana (Havana) Mexico (Mexico) Ciudad de Mexico (Mexico City) Peru (Peru) Lima (Lima) el Carnaval (Carnival) la Semana Santa (Easter) el Eid (Eid) el Diwali (Diwali) la Navidad (Christmas)

Music

EYFS

listen
sing
repeat
pattern
rhyme
clap
high
low
Funk

Y1	Y2	Y3	Y4	Y5	Y6
pulse	question and answer	Structure	texture	backbeat	timbre
rhythm	dynamics	intro/introduction	riff	amplifier	dimensions of music
pitch	volume	verse	solo	appraising	instrumental
improvise	tempo	hook	bridge	syncopation	producer
compose	performance	synthesizer	a capella	tune/head	groove
perform	beat	backing vocal	ballad	rapping	improvisation
audience	note	musical style	style indicators	interlude	phrases
imagination	unison	lyrics	digital/electronic	cover	gender equality
chorus	South African music	notation	backing vocal	duet	inspirational
melody	Afropop	stave	Abba	Old-school Hip Hop	venue
Rap	vocals	treble clef	Grime	Rock	programme
Reggae	electric guitar	time signature	Gospel	Motown	Electronic
Bossa Nova (Samba)	glockenspiel	bar	hymn	deck	Neo Soul
Classical	bass guitar	minim	symphony	backing loops	Blues
Latin	trombone	semibreve	big bands	scratching	Jazz
Pop	Bongo drum	crochet	racism	bass line	Contemporary
singers	clarinet	Disco	equality	brass section	steel guitar
guitar	percussion	RnB	piano	harmony	
drums		Musical>Show	organ	strings	
keyboard		Soul	acoustic guitar	electric guitar	
trumpet		cymbals	woodwind		
saxophone		strings	cello		
		orchestra	violin		
			turntables		
				Samba sessions	
				Samba	
				Agogo bell	
				Ganza	
				Tambourim	
				Surdo drum	

--	--	--	--	--	--

ART	DRAWING, PAINTING & SCULPTURE	COLOUR, PATTERN, TEXTURE, LINE, FORM, SPACE & SHAPE	RANGE OF ARTISTS
EYFS	Cut Scissors Pencil Paint brush	Primary colours Red Yellow Blue	
Y1	Line Thick Thin Clay Roll Coil Pastels	Warm colours Cold colours Primary colours Secondary colours Mix Repeated pattern Print Blend	Artist
Y2	Graded pencils Charcoal <i>Fabric</i> Textiles Batik Weaving Loom Canting Dye Wax Wax-resist Ink Viewfinder	Pattern Lines Bold Shape Tones Tints	Martin Bulinya LS Lowry Culture
Y3	Sketchbooks Observational drawing Watercolour paint Self portrait Oil pastels Mosaic Observational sculpture	Texture Reflections Movement Form Smudge Mark	Carl Warner Renoir Monet Style Technique
Y4	Papier mache Maquette	Shading Outline	Man Ray Giacometti

	Model Fashion Structure Designer Sketch Still life	Pleat	Vivienne Westwood Paul Cezanne Fernand Leger
Y5	Portrait Collage Collagraph	Softly Heavily Light and dark tones Shadow Mood Feelings Media Emotion Figures	Rembrandt Henri Rousseaux Beatriz Milhazes Replicate Frida Kahlo Joaquin Torres Garcia
Y6	Hapa-Zome Abstract	Effect	Howard Hodgkin Andy Warhol India Flint David Oliveira Alexander Calder Influenced

DT	DESIGNING	MAKING	EVALUATING	TECHNICAL KNOWLEDGE	FOOD TECHNOLOGY
EYFS	design	product	adapt	model stable	knife fork cutlery
Y1	plan product moves	unique tools resources	evaluate improve	strong mechanisms levers sliders wheels axles	
Y2	design criteria template specification annotated-drawing	fabric textiles running stitch joining techniques attach characteristics	existing product	structure storage compartments protect	healthy unhealthy varied diet balance ingredients food groups slice peel recipe
Y3	suitability appearance step-by-step plan techniques Niagara Falls Bridge	build frame pattern-piece function	successful	strengthen stiffen reinforce complex structure	herbs savoury harvesting seasonality minerals seasoning sow seeds pollinate simmer

Y4	STEM engineering inventors annotate innovative adapt design proposal propel	aesthetic functional qualities assemble	purpose appearance	electrical system mains battery operated energy <i>series circuit</i> parallel circuit fault turn switch micro switch components	
Y5	cross-sectional diagram	prototype	original criteria features	pulley cam mechanism rotary linear <i>convert</i> motion guide vice axle shaft dowel	
Y6	market research reconstruct exploded diagram		revise control programming monitor	floor robot	global flourish starchy staple food juicing dicing

COMPUTING	ALGORITHMS (CS)	CREATE/USE PROGRAMMES (CS)	REASONING (CS)	USING TECHNOLOGY/ USE A VARIETY OF SOFTWARE THAT ACCOMPLISHES GIVEN GOALS (IT)	SAFE USE (DL)
Y1	Algorithm Instruction Computer Program	Order Fix Code	Guess	Sort Save Sound Picture Text Name Find	Login Username Logout Password
Y2	Precise	Purpose Error	Cause Effect	Organise Retrieve Search Media Edit	Search Engine Internet Report Communicate Share Email Attachment
Y3	Real life Identify	Design Sequence Timer Repeat Variable Debug	Logical Predict Several	Digital Content Data Software Present Analyse	Secure Blog Website Spoof Website Webpage PEGI Rating
Y4	Selection Repetition	Value Input Output	Accurate	Features Accuracy Solutions Feedback Review Collaborative	Computer Virus Cookies Copyright Digital Footprint Identity Theft Malware Phishing Plagiarism Spam
Y5	Complex	Convert Combine Tabs Code Structure	Specific	Credible Reliable Successful Mode	SMART Rules Reputable Encryption Shared Image Citation Reference

					Bibliography Privacy
Y6	Systematic Abstraction	Translate Decompose	Interpret	Filters Content Quality Intended Audience Evaluate Refinements	Location Sharing Screen Time Critical Thinking

RE – Progression Grids