



Thornhill Primary School

Year 4

Programme of Study

2014-2015



Below is an outline of the curriculum to be taught over the course of Year 4.

English			
	Autumn Term	Spring Term	Summer Term
Writing	<p>Class text – Charlotte’s Web Summer holiday recount Instructions – Stone Age necklace Newspaper articles – King Tutankhamun’s tomb discovery Non-chronological report – Stone Age Persuasive advert – Kynren Poem – Invisible Magicians Setting description – Spooky house Formal letter – Charlotte’s Web Character description – Charlotte’s Web</p> <p>Handwriting Revision of correct pencil / pen grip Revision of all letter shapes and up links Revision of capital letters Revision of diagonal, horizontal joins Practise completed in handwriting book</p>	<p>Class text – The Firework Maker’s Daughter Explanation - The digestive system Diary entry – Hadrian’s Wall Newspaper article – Boudicca’s rebellion Playscript – The Firework Maker’s Daughter</p> <p>Handwriting Practise diagonal and horizontal joins Increase stamina, speed and consistency through copying out text and poetry Link handwriting practise to spelling and grammar using Collins scheme Book 4 – set up handwriting folder</p>	<p>Class text – Kensuke’s Kingdom Biography – Queen Victoria Narrative – Based on Kensuke’s Kingdom Persuasive Writing – write an advert tractor as opposed to horse power. Email</p> <p>Handwriting Increase stamina, speed and consistency through copying out text and poetry Link handwriting practise to spelling and grammar using Collins scheme Book 4</p>
Grammar & Punctuation	<p>Parts of speech Tenses Nouns - Common - Collective - Compound - Proper Pronouns</p>	<p>Subjects, verb and object Nouns – singular and plural Exclamation marks Verbs – past and present tense Adverbs - when, where, how Pronouns</p>	<p>Superlative and comparative adjectives Apostrophes – possession Paragraphs Direct speech Using commas Present perfect and simple past tense</p>

	<p>Fronted adverbials Verbs Sentences and phrases Adjectives Conjunctions Contracted words</p>	<p>Main clauses Subordinate clauses Preposition Expanded noun phrase Sentence types – commands, statements, exclamations and questions Determiners</p>	<p>Standard English</p>
Spelling	<p>Suffixes er, ed and ing Plurals Homophones i spelt y u spelt u Prefixes un, dis, mis, in, il, im, ir, re, sub, inter, super, anti, auto Suffixes – ly and ally</p>	<p>Suffixes r and est Suffix ly and ally Suffix ation Word ending ture and sure Word ending tion Suffixes – ous, tion, ment, ness Adding ous Homophones and near homophones</p>	<p>Apostrophe for contractions Compound words tion suffix sion suffix ssion suffix cian suffix gue / que words s spelt sc ay spelt ei, eigh, ey possessive apostrophe with plural nouns homophones and near homophones word list for Year Three ad Year Four revision</p>
Comprehension	<p>Guided reading text follow up comprehension Nelson Skills graded comprehension Focused group comprehension using Bond, Letts and other specific texts.</p>	<p>Guided reading text follow up comprehension Nelson Skills graded comprehension Focused group comprehension using Bond, Letts and other specific texts.</p>	<p>Guided reading text follow up comprehension Nelson Skills graded comprehension Focused group comprehension using Bond, Letts and other specific texts.</p>
Reading	<p>Class text – Charlotte's Web</p> <p>Guided and independent group reading Daily poetry</p>	<p>Class text – The Firework Maker's Daughter</p> <p>Guided and independent group reading Daily poetry</p>	<p>Class text – Kensuke's Kingdom</p> <p>Guided and independent group reading Daily poetry</p>
Speaking & Listening	<p>Drama Hot seating - Charlotte's Web characters Debate, conscience alley – Would you enter the tomb/Wilbur? Class assembly</p>	<p>Performing playscripts Class assembly</p>	<p>Reading out narratives Class assembly</p>

Maths			
	Autumn Term	Spring Term	Summer Term
Number	<p>Assessment and revision of Year three objectives.</p> <p>Place value up to 10,000</p> <p>Number sequences 6,7,9,25</p> <p>Find 10, 100, 1000 more or less than a given number</p> <p>Add and subtract four digit numbers using formal written method.</p> <p>Mental addition and subtraction</p> <p>Round whole numbers to the nearest 10, 100, 1000</p> <p>Rounding to estimate</p> <p>Add and subtract two step word problems</p> <p>6 times table multiplication and division</p> <p>7 times table multiplication and division</p> <p>Negative numbers and reading a thermometer</p> <p>Mixed addition and subtraction word problems including two step problems.</p> <p>Multiplying a 3 digit number by a single digit using short multiplication</p> <p>Multiplying 2 digit numbers by a single digit using short multiplication</p> <p>Factors and factor pairs</p>	<p>To read and write Roman numerals to 100</p> <p>Short division with and without remainders</p> <p>Understanding integers</p> <p>Division by 6</p> <p>Division by 7</p> <p>9 times table multiplication and division facts</p> <p>Mixed multiplication and division word problems including two step problems.</p> <p>Multiplying and dividing by 10 and 100</p> <p>Fractions of shapes and quantities</p> <p>Equivalent fractions</p> <p>Adding and subtracting fractions with the same denominator</p> <p>Improper fractions</p> <p>Counting in fractions</p> <p>Simplifying fractions</p> <p>Reading, writing and ordering decimals</p> <p>Adding and subtracting decimals</p> <p>Recognise and write decimal equivalents to a half, quarter and three quarters</p> <p>Multiplying and dividing with decimals</p>	<p>Round decimals to the nearest whole number</p> <p>Money and decimals</p> <p>11 and 12 times table multiplication and division facts</p>
Measurement, Geometry & Statistics	<p>Lines of symmetry on 2D shapes presented in different orientations</p> <p>Reading/writing the time on an analogue clock</p> <p>Reading/writing the time on a digital clock</p> <p>Knowledge of time (hours in a day, seconds in a minute)</p> <p>Converting time from analogue to digital and vice versa</p> <p>Revision of 12 hour times and calendars</p>	<p>Calendars and longer time intervals.</p> <p>Reading a timetable</p> <p>Reading coordinates</p> <p>Reading coordinate on grid lines</p> <p>Measuring length in metres, cm and mm</p> <p>Calculating perimeter</p>	<p>To identify and describe the different types of triangles and quadrilaterals</p> <p>Identify angles</p> <p>Cartesian coordinates and x and y axis</p> <p>Quadrilaterals</p> <p>Regular and irregular polygons</p> <p>Time changing units of time, minutes, seconds, stopwatches</p> <p>Converting units of length, volume and mass</p> <p>Calculating area</p> <p>Presenting and interpreting graphs, tables and time graphs</p> <p>Continuous and discrete</p>

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Science			
	Autumn Term	Spring Term	Summer Term
Scientific Enquiry & Investigation	<p>What makes a difference to how ice melts? How can we get it dry? How can we make a sound louder or quieter?</p>	<p>Can you light the bulb? Can you make a parallel circuit? Why doesn't it work? What does a switch do? What types of material conduct electricity? Investigate teeth decay (2p piece in glass of Coke)</p>	<p>Who lives here? To visit the school pond and identify and sort animals using a classification key. Classify insects in forest school. Litter survey - What types of litter are dropped locally?</p>
Knowledge & Understanding	<p>States of Matter What are my properties? What are freezing and melting? What is evaporation? What is boiling? Where did the water come from? Condensation Where does rain come from? – the Water Cycle.</p> <p>Sound What do we know about sounds? How are sounds made? How do sounds travel? How do sounds change as we move away from the source? How can we change the pitch of a plucked note? How can we use air to make music?</p>	<p>Electricity What makes it work? To sort electrical produces according to their power source. To make and record electrical circuits. To identify and correct problems in circuits. To describe what a switch does and how it work. To identify conductors and insulators.</p> <p>Food, Teeth and the Digestive System Where does all that food go? Where does food go inside your body? What are the functions of each part of the digestive system? What sort of teeth do we have?</p> <p>What are the functions of our teeth? How can we look after our teeth?</p>	<p>Living things and their Habitats Who are you?</p> <p>To explore and use classification keys to identify pond animals. How are vertebrates grouped? How are invertebrates grouped? What is a food chain? What is a food web? What/who is involved in a food chain?</p> <p>Human Impact What impact do humans have locally (positive and negative)? How can we find out about litter? Why does clearing up litter matter? What happens when the food chain is broken? What is the impact of habitat destruction in other parts of the world?</p>

Computing		
Autumn Term	Spring Term	Summer Term
Scratch – adding instructions changing the sprite, complex backgrounds, storyboard animations	Alex – an app on iPad to support programming	Textease Turtle – plan a set of instructions to draw a repeating pattern - Spirograph
Rings of responsibility – being respectful on line, being a good digital citizen	Scratch	Kodu
Private and personal information – protecting yourself from online identity theft.	The Power of Words - hurtful online messages and how to be an upstander in the face of cyberbullying.	IPad – moviemaker
Sending emails	The Key to Keywords - increase accuracy of keyword searches.	PowerPoint presentations
Google images	Google Earth	Lego programming
Google Earth	Publisher posters	Research using Britannica
Microsoft word	Digital footprint	

History		
Autumn Term	Spring Term	Summer Term
<p>The Stone Age</p> <ul style="list-style-type: none"> - Stone Age weapons - Stone Age food - Stone Age homes - When and what is the Stone Age? - Skara Brae <p>Ancient Egypt</p> <ul style="list-style-type: none"> - Ancient Egyptian artefacts - Weighing of the heart ceremony - Clothing and jewellery - Egyptian Gods - Pyramids - Mummies and life after death - Pharaohs including Tutankhamen 	<p>The Romans</p> <ul style="list-style-type: none"> - Invasion and conquest by Emperor Claudius - Spread of the Roman Empire - Hadrian's Wall - Boudicca's rebellion <p>The Vikings</p> <ul style="list-style-type: none"> - Viking homelands and settlements - Viking invasion - Invasion and resistance by Alfred the Great and Athelstan - Life as a Viking 	<p>The Victorians – Monarchy</p> <ul style="list-style-type: none"> - Victorian life - Queen Victoria's life <p>Local Study</p> <ul style="list-style-type: none"> - Agriculture - Steam power

Geography		
Autumn Term	Spring Term	Summer Term
<p>Locational Knowledge</p> <ul style="list-style-type: none"> - Continents - Oceans - Europe - Identify main countries and capital cities - Regions in the UK <p>Egypt</p> <ul style="list-style-type: none"> - Location of Egypt - Human features - Physical features - Importance of the River Nile - Difference between Ancient Egypt and modern Egypt 	<p>Volcanoes</p> <ul style="list-style-type: none"> - Where is Italy? - Facts about Italy - Famous volcanoes in Italy - Famous volcanoes in the world - What are volcanoes? - How are volcanoes made? - What are the parts of a volcano? - Different types of volcanoes <p>Weather</p> <ul style="list-style-type: none"> - Climate zones - Extreme weather in climate zones - Local weather and weather survey - Weather forecast report 	<p>Settlement and land use</p> <ul style="list-style-type: none"> - What is a settlement? - What makes an ideal settlement and how has this changed over time? - Different ways land can be used - Local settlements and land usage compared to urban areas - Design a settlement <p>Maps</p> <ul style="list-style-type: none"> - OS maps - Grid references - Eight point compass

Art		
Autumn Term	Spring Term	Summer Term
Stone Age art - Cave painting with charcoals and pastels on tea stained paper Ancient Egyptian art - Printing hieroglyphics - Egyptian headdress and necklace	Roman mosaic - Collage - Textiles Viking figure heads - Tracing - Pencil control Other skills covered: Sketching Observational drawings	Professional artist - Watercolour painting Famous artist study - Georges Seurat profile - Pointillism - Recreate painting

Design & Technology		
Autumn Term	Spring Term	Summer Term
Musical instrument - Make using containers, boxes and any other materials Stone Age necklace - Mould and shape salt dough - Thread onto string Design, make and evaluate	Electrical buzzer game - Place together electrical components - Decorate game Sewing - Binca bookmark - Different types of stitches - Finishing off Design, make and evaluate	Cookery - Pizza pepper/flatbread/cereal tart - Cookery skills (cutting, slicing, grating) - Tasting product - Food hygiene - Food safety - Where food comes from May Day crown - Cut shapes - Place on a crown - Decorate Design, make and evaluate

Religious Education		
Autumn Term	Spring Term	Summer Term
Revision of Judaism - Travel to sacred places - Ritual and worship to express belonging Revision of Islam - Local Muslim community - Caring for others Christianity - Christmas story - Why do Christians call Jesus the light of the world?	Hinduism - Worship at home - Worship at the Mandir - Festival of Diwali - Story of Rama and Sita - Hindu Gods Christianity - Lent - Easter story - Holy week	Sikhism - How is the Guru Granth Sahib treated as sacred? - How do Sikhs show belonging? - Travelling to sacred places - Ritual and worship to express belonging - Local Sikh community - How do Sikhs show care for each other?

French		
Autumn Term	Spring Term	Summer Term
To be taught by specialist teacher		

Music		
Autumn Term	Spring Term	Summer Term
Brass – Cornet or Baritone	Brass – Cornet or Baritone	Brass – Cornet or Baritone
Singing – hymn practise	Singing – hymn practise	Singing – hymn practise

PE		
Autumn Term	Spring Term	Summer Term
Football Rugby Gymnastics Swimming	Basketball Hockey Gymnastics Swimming	Cricket Dance Rounders Athletics Swimming