

Maryland Primary School



Learning in

Y E A R 5

This booklet provides information for parents and carers about your child's year in Maryland Primary School based on the National Curriculum.

Any extra support you can provide in helping your children towards these is greatly valued.

If you have any queries regarding the content of this learning booklet or want support in knowing how best to help your child, please talk to your child's teacher or a member of the Senior Leadership Team.



YEAR 5 AUTUMN



Maths

- Place value
- Addition and subtraction
- Properties of numbers (prime numbers, factors, multiples, squared and cubed numbers)
- Area and perimeter
- Multiplication and division

Science

- Earth & Space
- Forces

Computing

Programming music in Scratch
Data handling - Mars rover
Online Safety

C.P.S.H.E.

Online safety
Relationships
Being me in my world

Religious Education

Beliefs about God

Design Technology

Automata moving Viking Ship

Art

Viking Warrior Art - Clay masks

P.E.

- Invasion games - Basketball
- Dance
- Gymnastics
- Invasion games - Football

English

The Man Who Walked Between the Towers by Mordicai Gerstein

Fact files, newspaper reports, formal letters, biographies

Robot Girl by Malorie Blackman

Discussion texts, debates, dialogue, character comparisons and science fiction narratives

The Tempest by William Shakespeare

Setting descriptions, character descriptions, diary entries, dialogue and play scripts

Hidden Figures by Margot Lee Shetterly

Non-chronological reports, formal persuasive letters, character descriptions, diary entries

Music

Melody and harmony in music
Classic rock - Bon Jovi
Learn and perform Livin' On a Prayer

French

Portraits
Pets

History

Anglo Saxons and Vikings

YEAR 5 SPRING

History

The Windrush Generation

Maths

Statistics
Fractions
Decimals and percentages

P.E.

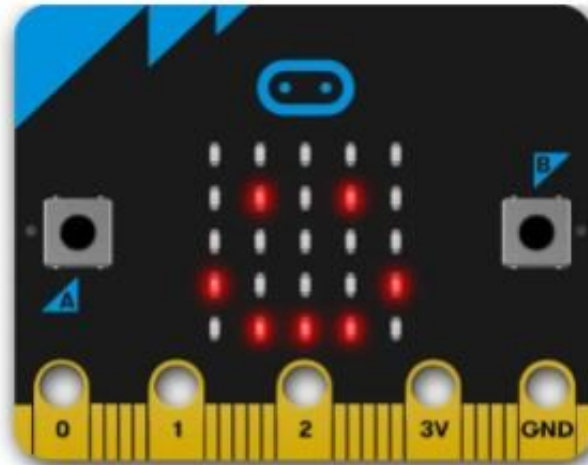
Dance
Hockey
Outdoor adventurous activities -
Problem Solving
Roulers

C.P.S.H.E.

Healthy Me
Changing Me
Financial literacy

Religious Education

What Muslims believe: Muhammad and the Qur'an



Design Technology

Cooking and Nutrition -
Jamaican Ginger Cake

Art

Caribbean Art movement
Textiles and Printing

Music

Composing and chords
Learning and performing 'The Fresh Prince of Bel-Air

English

Kaspar, Prince of Cats

Character descriptions, reports, letters, advertising leaflets, balanced reports

The Lost Happy Endings by Carol Ann Duffy and Jane Ray

Newspaper reports, writing from a different perspective.

Beowulf by Michael Morpurgo

Letters of advice, diary entries, dialogues, descriptions, action scenes, legends.

Science

- Animals including Humans

Computing

- Programming - Micro:bit
- Create media - Stop motion animation
- Online safety

French

Revision of pets
Shopping

YEAR 5 SUMMER

Computing

- Blogging
- Computing systems and networks - Search engines
- Online safety

P.E.

- Tennis
- Athletics
- Orienteering
- Health

Maths

- Decimal numbers
- Converting units of measure
- Negative Numbers
- Measuring volume
- Geometry: Position and Direction
- Properties of shapes including angles

Art

Henri Rousseau - The Amazon Rainforest

Design Technology

Designing and making a birdhouse



C.P.S.H.E.

Changing Me
My relationship with technology
Celebrating differences

English

Children of the Benin Kingdom by Dinah Orji

Informal letters, non-chronological reports, story summaries

Unspoken by Henry Cole

Recounts, letters of advice, descriptive retellings, dialogues, biographies.

Curiosity : The story of the Mars rover
News report, explanation texts, proposal to NASA

French

Verbs
Revision of shopping

Religious Education

Thankfulness

Geography

Biomes and Climate Zones

Why is climate important?

The Amazon

What is life like in the Amazon?

Science

- Properties of Materials
- Living things and their habitats

Music

Freedom to improvise
Dancing in the Street

Year 5 and 6 spelling list

Children are expected to learn these spellings by the end of Year 6. Please spend some time practising them.

accommodate	correspond	identity	queue
accompany	criticise (critic + ise)	immediate(ly)	recognise
according	curiosity	individual	recommend
achieve	definite	interfere	relevant
aggressive	desperate	interrupt	restaurant
amateur	determined	language	rhyme
ancient	develop	leisure	rhythm
apparent	dictionary	lightning	sacrifice
appreciate	disastrous	marvellous	secretary
attached	embarrass	mischievous	shoulder
available	environment	muscle	signature
average	equip (-ped, -ment)	necessary	sincere(ly)
awkward	especially	neighbour	soldier
bargain	exaggerate	nuisance	stomach
bruise	excellent	occupy	sufficient
category	existence	occur	suggest
cemetery	explanation	opportunity	symbol
committee	familiar	parliament	system
communicate	foreign	persuade	temperature
community	forty	physical	thorough
competition	frequently	prejudice	twelfth
conscience	government	privilege	variety
conscious	guarantee	profession	vegetable
controversy	harass	programme	vehicle
convenience	hindrance	pronunciation	yacht

Year 5 Writing Standards

Spelling	
∠	Spell most common exception words Add prefixes and suffixes to spell most words correctly in their writing
△	Spell most words correctly (years 3 and 4) Spell most words correctly (years 5 and 6)
▲	Spell all words correctly (years 5 and 6)
Punctuation	
∠	Use the full range of punctuation taught since KS1 mostly correctly Inverted commas and other punctuation for direct speech Commas after fronted adverbials Apostrophes to mark plural possession in nouns
△	Use mostly accurately Capital Letters Full Stops Question marks Exclamation marks Commas for lists Apostrophes for contraction
▲	Use mostly correctly Inverted commas Commas for clarity Punctuation for parenthesis Make some correct use of Semi-colons Dashes Colons Hyphens
Handwriting	
∠	Use the diagonal and horizontal strokes needed to join letters in most of their writing and increase the legibility and consistency of their handwriting
△	Produce legible, joined handwriting
▲	Maintain legibility, fluency and speed in handwriting through choosing whether or not to join specific letters
Grammar	
∠	Use the present perfect form of verbs to contrast to the past tense
△	Use different verb forms mostly accurately Use coordinating and subordinating conjunctions Use some cohesive devices within and across sentences and paragraphs
▲	Use a wide range of clause structures, sometimes varying their position within the sentence Use passive and modal verbs mostly appropriately Select vocabulary and grammatical structures that reflect the level of formality required mostly correctly
Composition and Effect	
△	Use paragraphs to organise ideas Describe settings and characters
▲	Create atmosphere and integrate dialogue to convey character and advance the action Use a wide range of cohesive devices including adverbials within and across sentences and paragraphs
Is the writing effective?	
Does it make sense?	
Is there a clear purpose?	
Can they proofread and edit their work?	
Is there careful word choice?	

Key Stage 2 handwriting

Children practise cursive two and three letter joins and then move on to whole words when they are ready to do so.

Diagonal joins to letters without ascenders	ai, ar, us, au, aw, er, ew, ir, ur, ss, as, ea, ae, ee, ie, se, ue
Horizontal joins to letters without ascenders	ou, vi, wi, xe, ere, oe, re, ure, ve, we, oi, on, oo, ot, ov, ow, oa
Diagonal joins to letters with ascenders	ab, ul, it, ch, kn, ll, sh, th, ed, be, de, br
Horizontal joins to letters with ascenders	ol, wh, ot
Diagonal joins to letters with descenders	ff, ph, qu, igh, ing, ng, squ, fe, ge, pe
Horizontal joins to letters with descenders	op, oy

advice

observant

advise

observance

device

expectant

devise

expectancy

licence

hesitant

license

hesitancy

practice

tolerant

practise

tolerance

prophecy

relevant

prophesy

relevance

Year 5 Maths

1	Read, write and order numbers and numerals to at least 1,000,000. Read, write, order and compare numbers with up to 3 decimal places.
2	Determine the place value of digits in numbers to 1,000,000
3	Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,00. Round decimals numbers to the nearest integer.
4	Order a set of positive and negative integers
5	Use tables to derive other numbers facts e.g. $5 \times 5 = 25$ so $50 \times 50 = 2500$
6	Find fractions of numbers (e.g. $\frac{1}{5}$ of 300)
7	Multiply and divide whole numbers by 10, 100 and 1000 (e.g. $472 \div 100$ or 567×10)
8	Identify multiples and factors, including all factor pairs of a number and common factors of two numbers.
9	Establish whether a number up to 100 is prime and recall prime numbers to 19.
10	Recognise and use square numbers and cube numbers.
11	Convert mixed numbers to improper fractions and vice versa.
12	Find equivalent fractions. Use this knowledge to add and subtract numbers with different denominators and to order fractions with different denominators.
13	Read and write decimal numbers as fractions e.g. $0.71 = \frac{71}{100}$
14	Add numbers with up to 5 digits using the formal column method
15	Calculate: (including in the context of real life e.g.
16	money, measures etc)
17	Subtract numbers with up to 5 digits using the formal column method
18	ThHTO \times O (using formal written method)
19	ThHTO \times TO (using formal written method)
20	ThHTO \div O (using formal written method)
21	Apply calculations to:
22	Missing number sentences
23	Balance sentences with more than 1 equal sign