English

Reading	Writing	Grammar
• Match graphemes for all phonemes • Read accurately by blending sounds • Read words with very common suffixes • Red contractions & understand purpose • Read phonics books aloud • Link reading to own experience • Join in with predictable phrases • Discuss significance of title & events • Make simple predictions	• Name letters of the alphabet • Spell very common 'exception' words • Spell days of the week • Use very common prefixes and suffixes • Form lower case letters correctly • Form capital letters & digits • Compose sentences orally before writing • Read own writing to peers or teachers	• Leave spaces between words • Begin to use basic punctuations: . ? ! • Use capital letters for proper nouns • Use common plural & verb suffixes **Speaking & Listening** • Listen & respond appropriately • Ask relevant questions • Maintain attention & participate

Maths

Number/Calculation	Geometry & Measures	Fractions
• Count to/across 100 • Count in 1s, 2s, 5s and 10s • Identify 'one more' & 'one less' • Read and write numbers to 20 • Use language, e.g. 'more than', 'most' • Use +, - and = symbols • Know number bonds to 20 • Add and subtract one-digit and 2 digit numbers to 20, including zero • Solve one-step problems, including simple arrays	• Use common vocabulary for comparison, e.g. heavier, taller, full, longest, quickest • Begin to measure length, capacity and weight • Recognise coins and notes • Use time & ordering vocabulary • Tell the time to hour/half-hour • Use language of days, weeks, months and years • Recognise & name common 2D and £d shapes • Order and arrange objects	• Recognise the use of ½ & ¼

Science

Biology	Chemistry	Physics
• Identify basic plants • Identify basic plants parts (roots, leaves, flowers etc.) • Identify and compare animals • Identify & name basic body parts	• Distinguish between objects & materials • Identify & name common materials • Describe simple properties of some materials • Compare & classify materials	• Observe weather associated with change of season

R.E

• Continue to follow locally-agreed syllabus for R.E.

Computing

• Understand use of algorithms
• Write & test simple programs
• Use logic reasoning to make predictions
• Organise, store, retrieve & manipulate data
• Communicate online safety and respectfully
• Recognise use IT outside of school

P.E.

• Master basic movement e.g. running, jumping, throwing, catching, balance, agility and co-ordination
• Participate in team games
• Perform dances using simple movement

History

Key Concepts	Key Individuals	Key Events
• Changes in living memory (linked to aspects of national life where appropriate, e.g. toys, books, moon landing)	• Lives of significant historical figures, including comparison of those from different periods • Significant local people	• E.g. Bonfire night, Great Fire of London • Events of local importance

Geography

• Name and locate the four countries and capital cities of the United Kingdom using atlases & globes
• Identify seasonal/daily weather patterns in the UK and the location of hot and cold areas of the world
• Use basic geographical vocabulary to refer to local & familiar features
• Use four compass directions & simple vocab

Art & Design

• Use a range of materials
• Use drawing, painting and sculpture
• Develop techniques of colour, pattern, texture, line, shape, form and space
• Learn about range of artists, craftsmen and designers

Design & Technology

• Design purposeful, functional & appealing products
• Generate, model & communicate ideas
• Use range of tools & materials to complete practical tasks
• Evaluate existing products * own ideas
• Build and improve structure * mechanisms
• Understand where food comes from

Music

• Sing songs
• Play tuned & un-tuned instruments musically
• Listen & understand live and recorded music
• Make and combine sounds musically

Modern Languages

• No required at KS1

English

Reading	Writing	Grammar
- Develop phonics until decoding secure - Read common suffixes - Read & re-read phonic appropriate books - Read common 'exception' words - Discuss & express views about fiction, non-fiction & poetry - Become familiar with & retell stories - Ask & answer questions; make predictions - Begin to make inferences	- Spell by segmenting into phonemes - Learn to spell common 'exception' words - Spell using common suffixes, etc. - Use appropriate letters and spaces - Develop positive attitude & stamina for writing - Begin to plan ideas for writing - Record ideas sentence-by-sentence - Make simple additions & changes after proof-reading	- Use . ! ? and ' - Use simple conjunctions - Begin to expand noun phrases - Use some features of standard English **Speaking & Listening** - Articulate & justify answers - Initiate & respond to comments - Use spoken language to develop understanding

Maths

Number/Calculation	Geometry & Measures	Fractions
- Know , 5 10x tables - Begin to use place value (T/U) - Count in 2s, 3s, 5s and 10s - Identify, represent & estimate numbers - Compare/order numbers, Inc. < > = - Know number facts to 20 (+ related to 100) - Use x & ÷ symbols - Recognise communitive property of multiplication	- Know and use standard measures - Read scale to nearest whole unit - Use symbols for and p and add/subtract simple sums less than £1 or in pounds - Tell time to the nearest 5 minutes - Identify and sort 2d and 3d shapes - Identify 2d and 3d surfaces - Order and arrange mathematical objects - Use terminology of position & movement	- Find and write simple fractions - Understand equivalence of e.g. 2/4 =1/2 **Data** - Interpret simple tables & pictograms - Ask & answer comparison questions - Ask & answer questions about totalling

Science

Biology	Chemistry
- Differentiate living, dead and non-living - Growing plants (water, light and warmth) - Basic needs of animals & offspring - Simple food chains & habitats	- Identify and compare uses of different materials **Physics** - Compare how things move on different surfaces

R.E.

- Continue to follow locally-agreed syllabus for R.E.

Computing

- Understand use of algorithms
- Write & text simple programs
- Use logical reasoning to make predictions
- Organise, store, retrieve & manipulate data
- Communicate online safely and respectfully
- Recognise uses of IT outside of school

P.E.

- Master basic movement, e.g. running, jumping, throwing, catching, balance, agility and co-ordination
- Participate in team games
- Perform dances using simple movement

History

Key Concepts	Key Individuals	Key Events
Changes in living memory (linked to aspects of national life where appropriate e.g. toys, books, moon landing)	- Lives of significant historical figures including comparison of those from different periods - Significant local people	- E.g. Bonfire night, Great Fire of London - Event of local importance

Geography

- Name & locate world's continents and oceans
- Compare local area to non-European countries
- Use basic vocabulary to describe a less familiar area
- Use aerial and other models to create simple plans and maps, using symbols
- Use simple fieldwork and observational skills to study the immediate environment

Art & Design

- Use a range of materials
- Use drawing, painting and sculpture
- Develop techniques of colour, pattern, texture, line, shape, form and space

Design & Technology

- Design purposeful, functional & appealing products
- Generate, model and communicate ideas
- Use a range of tools & materials to complete practical tasks
- Evaluate existing products and own ideas
- Build and improve structure and mechanisms
- Understand where food comes from

Music

- Sing songs
- Play tuned and un-tuned instruments musically
- Listen and understand live and recorded music
- Make and combine sounds musically

Modern Languages

- No required at KS1

English	Reading	Writing	Grammar
	• Use knowledge to read 'exception' words • Read range of fiction & non fiction • Use dictionaries to check meaning • Prepare poems & plays to perform • Check own understanding of reading • Draw inferences & make predictions • Retrieve & record information from non-fiction books • Discuss reading with others	• Use prefixes & suffixes in spelling • Use dictionary to confirm spellings • Write simple dictated sentences • Use handwriting joins appropriately • Plan to write based on familiar forms • Rehearse sentences orally for writing • Use carried rich vocabulary • Create simple settings and plot • Assess effectiveness of own and others writing	• Use range of conjunctions • Use prefect tense • Use range of nouns & pronouns • Use time connectives • Introduce speech punctuation • Know language and clauses **Speaking & Listening** • Give structured descriptions • Participate activity in conversation • Consider & evaluate different viewpoints

Maths	Number/Calculation	Geometry & Measures	Fractions & Decimals
	• Learn 3, 4 & 8x tables • Secure place values to 100 • Mentally add and subtract units, tens or hundreds to numbers of up to 3 digits • Written column addition & subtraction • Solve number problems, including multiplication, simple division & missing number problems • Use commutativity to help calculation	• Measure & calculate with metric measures • Measure simple perimeter • Add/subtract using money in context • Use roman numerals up to XII; tell time • Calculate using simple time problems • Draw 2D/make 3D shapes • Identify & use right angles • Identify horizontal, vertical, perpendicular and parallel lines	• Use & count in tenths • Recognise, find & write fractions • Recognise some equivalent fractions • Add/subtract fractions <1 • Order fractions with common denominator **Data** • Interpret bar charts & pictograms

Science	Biology	Chemistry	Physics
	• Plants, incl. parts, lifecycle & requirements for life • Animals: skeletons & nutrition	• Classification of rock types • Simple understanding of fossilisation	• Sources of light: shadows & reflections • Simple forces, including magnetism

R.E.	• Continue to follow locally-agreed syllabus for R.E.

Computing	• Design & write programs to achieve specific goals, including solving problems • Use logical reasoning • Understand computer networks • Use internet safely & appropriately • Collect & present data appropriately

P.E.	• Use running, jumping, catching and throwing in isolation and in combination • Play competitive games, modified as appropriate • Develop flexibility & control in gym, dance & athletics • Compare performance to achieve personal bests • Swimming proficiency at 25m

History	**Ancient Greece, i.e.**
	• A study of Greek life and achievements & their influence on the world
	Broader History Study
	• Earliest ancient civilisations, e.g. Ancient Egypt
		Broader History Study
		• A local history study, e.g.:
		   • A depth study linked to a studied period
		   • A study over a period of time
		   • A post-1066 study of relevant local history -The Priory

Geography	• Locate world's/countries, focusing on Europe & Americas, focus on key physical & human features North America • Study a region of the UK (not local area) • Use 8 points of compass, symbols & keys • Describe & understand the water cycle • Use fieldwork to observe, measure & record

Art & Design	• Use sketchbooks to collect, record and evaluate ideas • Improve mastery of techniques such as drawing, painting and sculpture with carried materials • Learn about great artists, architects & designers

Design & Technology	• Use research & criteria to develop products which are fit for purpose • Use annotated sketches and prototypes to explain ideas • Evaluate existing products and improve own work • Use mechanical systems in own work • Understand seasonality; prepare & cook mainly savoury dishes

Music	• Use voice & instruments with increasing accuracy, control & expression • Improvise & compose music • Listen with attention to detail • Appreciate wide range of live & recorded music • Begin to develop understanding of history

Modern Languages	• Listen & engage • Ask & answer questions • Speak in sentences using familiar vocabulary • Develop appropriate pronunciation • Show understanding of words & phrases • Appreciate stories, songs, poems & rhymes • Broaden vocabulary

English

Reading
- Secure decoding of unfamiliar words
- Read for a range of purposes
- Retell some stories orally
- Discuss words & phrases that capture the imagination
- Identify themes & conventions
- Retrieve & record information
- Make inferences & justify predictions
- Recognise a variety of forms of poetry
- Identify & summarise ideas

Writing
- Correctly spell common homophones
- Increase regularity of handwriting
- Plan writing based on familiar forms
- Organise writing into paragraphs
- Use simple organisational devices
- Proof read for spelling & punctuation errors
- Evaluate own & others' writing
- Read own writing aloud

Grammar
- Use wider range of conjunctions
- Use prefect tense appropriately
- Select pronouns & nouns for clarity
- Use & punctuate direct speech
- Use commas after front adverbials

Speaking & Listening
- Articulate & justify opinions
- Speak audibly in standard English
- Gain, maintain & monitor interest of listeners

Maths

Number/Calculation
- Know all table to 12 x 12
- Secure place value to 1000
- Use negative whole numbers
- Round numbers to nearest 10, 100 or 1000
- Use roman numerals to 100 (C)
- Column addition & subtraction up to 4 digits
- Multiply & divide mentally
- Use standard short multiplication

Geometry & Measures
- Compare 2D shapes, including quadrilaterals & triangles
- Find area by counting squares
- Calculate rectangle perimeters
- Estimate & calculate measures
- Identify acute, obtuse & right angles
- Identify symmetry
- Use first quadrant co-ordinates
- Introduce simple translations

Fractions & Decimals
- Recognise tenths & hundreds
- Identify equivalent fractions
- Add & subtract fractions with common denominators
- Recognise common equivalents
- Round decimals to whole numbers
- Solve money problems

Data
- Use bar charts, pictograms & line graphs

Science

Biology
- Classify living things
- Digestive system & teeth
- Food chains

Chemistry
- Changes of state
- The water cycle

Physics
- Sound as vibration
- Electricity: simple circuits & conductors

R.E.

- Continue to follow locally-agreed syllabus for R.E.

Computing

- Design & write programs to achieve specific goals, including solving problems
- Use logical reasoning
- Understand computer networks
- Use internet safety & appropriately
- Collect & present data appropriately

P.E.

- Use running, jumping, catching & throwing in isolation & in combination
- Play competitive games, modified as appropriate
- Develop flexibility & control in gym, dance & athletics
- Compare performances to achieve personal bests
- Swimming proficiency at 25m

History

Ancient Greece, i.e.
- A study of Greek life and achievements & their influence on the world

Broader History Study
- Earliest ancient civilisations, e.g. Ancient Egypt

Broader History Study
- A local history study, e.g.:
  - A depth study linked to a studied period
  - A study over a period of time
  - A post-1066 study of relevant local history -The Priory

Geography

- Locate world's countries, focussing on Europe& Americas. Focus on key physical & human features North America
- Study a region of the UK (not local area)
- Use 8 points of compass, symbols & keys
- Describe & understand water cycle
- Use fieldwork to observe, measure & record

Art & Design

- Use sketchbooks to collect, record & evaluate ideas
- Improve mastery of techniques such as drawing, painting & sculpture with carried materials
- Learn about great artists, architects & designers

Design & Technology

- Use research & criteria to develop products which are fit for purpose
- Use annotated sketches & prototypes to explain ideas
- Evaluate existing products & improve own work
- Use mechanical systems in own work
- Understand seasonality; prepare & cook mainly savoury dishes

Music

- Use voice & instruments with increasing accuracy, control & expression
- Improvise & compose music
- Listen with attention to detail
- Appreciate wide ranges of live & recorded music
- Begin to develop understanding of history

Modern Languages

- Listen & engage
- Ask & answer questions
- Speak in sentences using familiar vocabulary
- Develop appropriate pronunciation
- Show understanding of words & phrases
- Appreciate stories, songs, poems & rhymes
- Broaden vocabulary

English

Reading
- Apply knowledge of morphology & etymology when reading new words
- Reading & discuss a broad range of genres & texts
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart
- Draw inference & make predictions
- Discuss authors' use of language
- Retrieve & present information from non-fiction texts
- Formal presentation & debates

Writing
- Secure spelling, Inc. homophones, prefixes, silent letters etc.
- Use a thesaurus
- Legible, fluent handwriting
- Plan writing to suit audience & purpose
- Develop character, setting & atmosphere in narrative
- Use organisational & presentational features
- Use consistent appropriate tense
- Proof-reading
- Perform own compositions

Grammar
- Use expanded noun phrases
- Use model passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas for parenthesis

Speak & Listening
- Give well-structured explanations
- Command of standard English
- Consider & evaluate different viewpoints
- Use appropriate register

Maths

Number/Calculation
- Secure place value to 1,000,000
- Use negative whole numbers in context
- Use roman numerals to 100 (M)
- Use standard written methods for all four operations
- Confidently add & subtract mentally
- Use vocabulary of prime, factor & multiple
- Multiply & divide by powers of 10
- Use square & cube numbers

Geometry & Measures
- Convert between different units
- Calculate perimeter of composite shapes & area of rectangles
- Estimate volume & capacity
- Identify 3D shapes
- Measure & identify angles
- Understand regular polygons
- Reflect & translate shapes

Fractions
- Compare & order fractions
- Add & subtract fractions with common denominators, with mixed numbers
- Multiply fractions by units
- Write decimals as fractions
- Order & round decimal numbers
- Link percentage to fractions & decimals

Data
- Interpret tables & line graphs
- Solve questions about line graphs

Science

Biology
- Life cycle of plants & animals inc. mammal, insect, bird, amphibian
- Describe changes as humans develop & mature

Chemistry
- Classify materials according to a variety of properties
- Understand mixtures & solutions
- Know about reversible changes; identify irreversible

Physics
- Understand location & interaction of Sun, Earth & Moon
- Introduce gravity, resistance & mechanical forces

R.E

- Continue to follow locally-agreed syllabus for R.E.

Computing

- Design & write programs to solve problems
- Use sequences, repetition, inputs, variables & outcomes in programs
- Detect & correct errors in programs
- Understand uses of networks for collaboration & communication
- Be discerning in evaluating digital content

P.E.

- Use running, jumping, catching & throwing in isolation & in combination
- Play competitive games, applying basic principles
- Develop flexibility & control in gum, dance & athletics
- Take part in outdoor & adventurous activities
- Compare performance to achieve personal bests
- Swimming proficiency at 25m

History

British History
- Roman Empire & impact on Britain, include:
  - Julius Caesar's attempted invasion
  - Roman Empire & successful invasion
  - British resistance e.g. Boudicca
  - Romanisation of Britain

Broader History Study
- Earliest ancient civilisations, e.g.
  - Ancient Sumer
  - Indus Valley
  - Ancient Egypt
  - Shang Dynasty of Ancient China

Geography

- Name & locate countries, cities, regions & features of the UK
- Understand latitude, longitude, equator, hemispheres, tropics, polar circles & time zones
- Study a region of Europe, and the Americas
- Understand biomes, vegetation belts, land use, economic activity, distribution of resources , use of coal oil gas etc.
- Use 4 & 6 figure grid references on OS maps
- Use fieldwork to record & explain areas
- Describe and understand settlements

Art & Design

- Use sketchbooks to collect, record, review, revisit & evaluate ideas
- Improve mastery of techniques such as drawing, painting & sculpture with varied materials
- Learn about great artists, architects & designers

Design & Technology

- Use research & criteria to develop products which are fit for purpose and aimed at specific groups
- Use annotated sketches, cross-section diagrams & computer aided design
- Analyse & evaluate existing products & improve own work
- Use mechanical & electrical systems in own products, including programming systems in own products, including programming
- Cook savoury dishes for a healthy & varied diet

Music

- Perform with & control & expression solo & in ensembles solo & in ensembles
- Improvise & compose using dimension of music
- Listen to detail & recall aurally
- Use & understand basics of staff notation
- Develop an understanding of the history of music, including great musicians & composers

Modern Languages

- Listen & engage
- Engage in conversations, expressing opinions
- Speak in simple language & be understood
- Develop appropriate pronunciation
- Present ideas & information orally
- Show understanding in simple reading
- Adapt known language to create new ideas
- Describe people, places & things
- Understand basic grammar, e.g. gender

St Peter's Catholic Primary School
Curriculum Overview
Year 6 2019-2020

English	**Reading** • Read a broad range of genres • Recommend books to others • Make comparisons within/across books • Support inferences with evidence • Summarising key points from texts • Identify how language, structure etc. contribute to meaning • Discuss use of language, inc. figurative • Discuss & explain reading, providing reasoned justifications for views	**Writing** • Use knowledge of morphology & etymology in spelling • Develop legible personal handwriting style • Plan writing to suit audience & purpose; use models of writing • Develop character & setting in narrative • Select grammar & vocabulary for effect • Use a wide range of cohesive devices • Ensure grammatical consistency	**Grammar** • Use appropriate register/style • Use passive voice for purpose • Use features to convey & clarify meaning • Use full punctuation • Use language of subject/object **Speaking & Listening** • Use questions to build knowledge • Articulate arguments & opinions • Use spoken language to speculate, hypothesis & explore • Use appropriate register & language

Maths	**Number/Calculation** • Secure place value & rounding to 10,000,000 including negatives • All written methods, including long division • Use order of operations (not indices) • Identify factors, multiples & primes • Solve multi-step number problems	**Fractions, decimals & percentages** • Compare & simply fractions • Use equivalents to add fractions • Multiply simple fractions • Divide fractions by whole numbers • Solve problems using decimals & percentages • Use written division up to 2dp • Introduce ratio & proportion **Algebra** • Introduce simple use of unknowns	**Geometry & Measures** • Confidently use a range of measures & conversions • Calculate area of triangles/parallelograms • Use area & volume formulas • Classify shapes by properties • Know & use angle rules • Translate & reflect shapes, using all four quadrants **Data** • Use pie charts • Calculate mean averages

Science	**Biology** • Classification, including micro-organisms • Health & lifestyle, including circulatory system • Evolution & adaptation	**Physics** • Light & shadow; the eye • Electricity, including investigating circuits

R.E	• Continue to follow locally-agreed syllabus for R.E.

Computing	• Design & write programs to solve problems • Use sequences, repletion, inputs, variables & outputs I programs • Detect & correct errors in programs • Understand use of networks for collaboration & communication • Be discerning in evaluating digital content

P.E.	• Use running, jumping, catching & throwing in isolation & in combination • Play competitive games, applying basic principles • Develop flexibility & control in gym, dance & athletics • Take part in outdoor & adventurous activities • Compare performances to achieve personal bests • Swimming proficiency at 25m

History	**British History (taught chronologically)**
	• An extended period study e.g.
	   • The changing power of monarchs
	   • Significant turning points in British history eg World War 2
	   • Crime & punishment
	   • leisure
		Broader History Study
		• Non-European society
		   • Islamic civilisation, including Baghdad
		   • Mayan civilisation
		   • Benin (West Africa)
		Local Study - Evacuation

Geography	• Name & locate countries, cities, regions & features of the UK • Understand latitude, longitude, equator, hemispheres, tropics, polar circles & time zones • Study a region of Europe, and the Americas • Understand climate, global warming, rivers, deforestation land use, economic activity, distribution of resources, climate, global warming, deforestation etc. • Use 4 & 6 figure grid references on OS maps • Use fieldwork to record & explain areas

Art & Design	• Use sketchbooks to collect, record, review, revisit & evaluate ideas • Improve mastery of techniques such as drawing, painting & sculpture with varied materials • Learn about great artists, architects & designers

Design & Technology	• Use research & criteria to develop products which are fit for purpose and aimed at specific groups • Use annotated sketches, cross-section diagrams & computer aided design • Analyse & evaluate existing products & improve own work • Use mechanical & electrical systems in own products, including programming systems in own products, including programming • Cook savoury dishes for a healthy & varied diet

Music	• Perform with & control & expression solo & in ensembles solo & in ensembles • Improvise & compose using dimension of music • Listen to detail & recall aurally • Use & understand basics of staff notation • Develop an understanding of the history of music, including great musicians & composers

Modern Languages	• Listen & engage • Engage in conversations, expressing opinions • Speak in simple language & be understood • Develop appropriate pronunciation • Present ideas & information orally • Show understanding in simple reading • Adapt known language to create new ideas • Describe people, places & things • Understand basic grammar, e.g. gender