Cherry Orchard Primary School Curriculum Overview Yrs.1-6





English

Reading

- Match graphemes for all phonemes Name letters of the alphabet
- Read accurately by blending sounds
- Read words with very common suffixes
- Read contractions & understand purpose
- Read phonics books aloud
- Link reading to own experiences
- Join in with predictable phrases
- Discuss significance of title & events
- Make simple predictions

Number/Calculation

Count to / across 100

Count in 1s, 2s, 5s and 10s

• Use language, e.g. 'more

Use +, - and = symbols • Know number bonds to 20

than', 'most'

Identify 'one more' and 'one less'

add and subtract one-digit and

Solve one-step problems,

including simple arrays

two-digit numbers to 20, including

• Read & write numbers to 20

Writing

- Spell very common 'exception' words
- Use very common prefixes & suffixes

Spell days of the week

- Form lower case letters correctly
- Form capital letters & digits
- Compose sentences orally before Ask relevant questions writing
- Read own writing to peers or teachers

Grammar

- Leave spaces between words
- Begin to use basic punctuation: . ?!
- Use capital letters for proper nouns.
- Use common plural & verb suffixes

Speaking & Listening

- Listen & respond appropriately
- Maintain attention & participate

Mathematics

Geometry & Measures

- Use common vocabulary for comparison, e.g. heavier, taller, full, longest, quickest
- Begin to measure length, capacity, weight
- Recognise coins & notes
- Use time & ordering vocabulary
- Tell the time to hour/half-hour
- Use language of days, weeks, months & years
- Recognise & name common 2-d and 3-d shapes
- Order & arrange objects

• Describe position & movement, including half and quarter turns

Fractions

• Recognise & use ½ & ¼

History (KS1)

Science Biology

zero

Identify basic plants

- Identify basic plant parts (roots, leaves, flowers, etc.) • Identify & compare common animals
- Identify & name basic body parts

Chemistry

- Distinguish between objects & materials
- Identify & name common materials
- Describe simple properties of some materials
- Compare & classify materials

Physics

Observe weather associated with changes of season

Key Concepts

Changes in living memory (linked to aspects) of national life where appropriate)

Key Individuals

- Lives of significant historical figures, including comparison of those from different periods
- Significant local people

Key Events

- e.g. Bonfire night
- Events of local importance

Art & Design (KS1)

- 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

Computing (KS1)

- Understand use of algorithms
- Write & test 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

the four countries and capital cities of the

United Kingdom using atlases & globes

• identify seasonal / daily weather patterns in

• Use basic geographical vocabulary to refer to

the UK and the location of hot and cold areas

Design & Technology (KS1) Geography (Y1)

- 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

Not required at KS1

Understand where food comes from

Modern

Music (KS1) Languages

Sing songs

• Name & locate

of the world

local & familiar features

- Play tuned & untuned instruments musically
 - Listen & understand live and recorded
 - Make and combine sounds musically

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
- Swimming proficiency at 25m (KS1 or KS2)

Religious Education

Reading

- Develop phonics until decoding secure
- Read common suffixes
- 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

English

Writing

- Spell by segmenting into phonemes Use . !?, and '
- Learn to spell common 'exception'
 Use simple conjunctions
- Read & re-read phonic-appropriate
 Spell using common suffixes, etc.
 - Use appropriate size letters & spaces
 - Develop positive attitude & stamina for writing
 - Begin to plan ideas for writing

 - Make simple additions & changes after proof-reading

Grammar

• Begin to expand

standard English

• Use some features of

Speaking & Listening

noun phrases

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

Art & Design (KS1)

Learn about range of artists, craftsmen and designers

Computing (KS1)

- Understand use of algorithms
- Write & test 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

Articulate & Justify answers • Initiate & respond to comments

• Record ideas sentence-by-sentence • Use spoken language to develop

understanding

Mathematics

Number/Calculation

- Know 2, 5, 10x tables
- Begin to use place value (T/U) • Count in 2s, 3s, 5s & 10s • Identify, represent & estimate numbers
- Compare / order numbers, inc. < >
- Write numbers to 100
- Know number facts to 20 (+ related to 100)
- Use x and ÷ symbols
- Recognise commutative property

Geometry & Measures

- Know and use standard measures • Read scales to nearest whole unit • Use symbols for £ and p and add/subtract simple sums of less than £1 or in pounds
- Tell time to the nearest 5 minutes • Identify & sort 2-d & 3-d shapes • Identify 2-d shapes on 3d surfaces
- Order and arrange mathematical objects
- Use terminology of position & movement

Fractions

- 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

Design & Technology (KS1)

- 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

Geography (Y2)

Name & locate

world's continents

- Name & locate the four countries and capital cities of the UK using atlases & globe
- Compare local area to a non-European country
- Use basic vocabulary to describe a less familiar
- Use aerial images and other models to create simple plans and maps, using symbols
- Use simple fieldwork and observational skills to study the immediate environment
- Use four compass directions & simple vocab

Modern Languages

Not required at KS1

Music (KS1)

- Sing songs
- Play tuned & untuned instruments musically
 - Listen & understand live and recorded music

Make and combine sounds musical

Science

Biology

- Differentiate living, dead and non-living
- Growing plants (water, light, warmth)
- Basic needs of animals & offspring Simple food chains & habitats

Chemistry

- Identify and compare uses of different materials
- Compare how things move on different surfaces

History (KS1)

Key Concepts

 Changes in living memory (linked to aspects) of national life where appropriate)

Key Individuals

- Lives of significant historical figures, including comparison of those from different periods
- Significant local people

Key Events

• e.g. Bonfire • Events of local importance

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
- Swimming proficiency at 25m (KS1 or KS2)

Religious Education

Reading

- Use knowledge to read 'exception' Use prefixes & suffixes in spelling Use range of conjunctions words
- Read range of fiction & non-fiction
 Write simple dictated sentences

- Check own understanding of reading
- Draw inferences & make predictions
- Retrieve & record information from Create simple settings & plot non-fiction books
- Discuss reading with others

Number/Calculation

Learn 3, 4 & 8x table

Secure place value to 100

Written column addition &

Solve number problems, including

multiplication & simple division

and missing number problems

Use commutativity to help

English

Writing

- Use dictionary to confirm spellings Use perfect tense
- Use dictionaries to check meaning Use handwriting joins appropriately pronouns
- Prepare poems & plays to perform Plan to write based on familiar
 - Rehearse sentences orally for writing
 - Use varied rich vocabulary

 - Assess effectiveness of own and others' writing

Grammar

- Use range of nouns &
- Use time connectives
- Introduce speech punctuation
- Know language of clauses

Speaking & Listening

- Give structured descriptions
- Participate activity in conversation

Consider & evaluate different viewpoints

Art & Design (LKS2)

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

Computing (LKS2)

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

countries, focussing on Europe & Americas focus

describe and understand climate zones, biomes,

on key physical & human features

• Study a region of the UK (not local area)

settlements, trade links, etc.

Use 8 points of compass, symbols & keys

identify Northern and southern hemisphere

Describe & understand climate, rivers,

• Use fieldwork to observe, measure & record

mountains, volcanoes, earthquakes,

Mathematics

Geometry & Measures

- Measure & calculate with metric measures
- Mentally add & subtract units, tens
 Measure simple perimeter
- or hundreds to numbers of up to 3 Add/subtract using money in context
 - Use Roman numerals up to XII; tell time
 - Calculate using simple time problems
 - Draw 2-d / Make 3-d shapes
 - Identify and use right angles
 - Identify horizontal, vertical, perpendicular and parallel lines

Fractions & decimals

- Use & count in tenths
- Recognise, find & write fractions
- Recognise some equivalent fractions
- Add/subtract fractions up to <1
- Order fractions with common denominator

Data

• Interpret bar charts & pictograms

Design & Technology (LKS2)

- 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 (moved to Y4)

Modern

- Languages (LKS2)
- 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

• Use voice &

Music (LKS2)

Geography (LKS2)

• Locate world's

volcanoes

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

Science

calculations

Biology

digits

subtraction

Plants, incl. parts,

lifecycle and requirements for life Animals: skeletons & nutrition Digestive system and teeth

Chemistry

- Classification of rock types
- Simple understanding of fossilisation

Physics

Simple forces, including magnetism

History

British History (taught chronologically)

- Stone Age to Iron Age Britain, including:
 - hunter-gatherers and early farmers
 - Bronze age religion, technology & travel
 - Iron age hill forts

Broader History Study

- Non-European society, i.e.
- Mayan civilization

Physical Education (LKS2)

- 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 performances to achieve personal bests
- Swimming proficiency at 25m (KS1 or KS2)

Religious

Education

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
- Identify & summarise ideas

Number/Calculation

to 4 digits

Science

Food chains

 Changes of state The water cycle

Chemistry

Classify living things

Biology

Know all tables to 12 x 12

Secure place value to 1000

Use negative whole numbers

• Round numbers to nearest 10, 100

• Use Roman numerals to 100 (C)

Multiply & divide mentally

• Column addition & subtraction up

Use standard short multiplication

English

Writing

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

Grammar

- Use wider range of conjunctions
- Use perfect tense appropriately
- nouns for clarity
- Use & punctuate direct speech

Speaking & Listening

- Articulate & justify opinions
- Speak audibly in Standard English

Gain, maintain & monitor interest of isteners

Mathematics

Geometry & Measures

Compare 2-d 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 coordinates
- Introduce simple translations

• Use bar charts, pictograms & line graphs

Fractions & decimals

- Recognise tenths & hundredths
- Identify equivalent fractions
- Add & subtract fractions with

common denominators

- Recognise common equivalents
- Round decimals to whole numbers
- Solve money problems

History

British History (taught chronologically)

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

- Earliest ancient civilisations, i.e.
 - Ancient Sumer;
 - Indus Valley;
 - Ancient Egypt; or
 - Shang Dynasty of Ancient China

Art & Design (LKS2)

- Use sketchbooks to collect, record and evaluate ideas
- · Improve mastery of techniques such as drawing and painting with varied materials
- Learn about great artists, architects &_designers

Design & Technology (LKS2)

Evaluate existing products and

Use mechanical systems in own work

Understand seasonality; prepare & cook mainly

fit for purpose

savoury dishes

• Listen & engage

Ask & answer questions

MFL

Use annotated sketches and

improve own work

prototypes to explain ideas

• Use research& criteria to develop products which are

Geography (LKS2)

 Locate world's countries, focussing on Europe & Americas focus on key physical & human features

Computing (LKS2)

Use logical reasoning

goals, including solving problems

• Use internet safely and appropriately

Collect and present data appropriately

Design & write programs to achieve specific

Understand computer networks

- Study a region of the UK (not local area)
- Use 8 points of compass, symbols & keys
- Describe & understand climate, rivers, mountains, volcanoes, earthquakes, water cycle, settlements, trade links, etc.
- Use fieldwork to observe, measure & record

Music (LKS2)

• Use voice & instruments with

control and expression

reasing accuracy,

- Improvise & compose music
- Listen with attention to detail
- Appreciate wide range of live & recorded music -cornet, singing, drums rotate on a termly basis
- Begin to develop understanding of history

Physical

Broaden vocabulary

Education (LKS2)

 Use running, jumping, catching and throwing in isolation and in combination

Speak in sentences using familiar vocabulary

• Develop appropriate pronunciation

Show understanding of words & phrases

• Appreciate stories, songs, poems & rhymes

- Play competitive games, modified as appropriate
- Develop flexibility & control in gym, dance & athletics
- Compare performances to achieve personal bests
- Swimming proficiency at 25m (KS1 or KS2)

Religious

Education

Continue to follow locallyagreed syllabus for RE

Temperature

Physics

- Sound as vibrations and light
- Electricity: simple circuits & conductors

Broader History Study

revisit

& evaluate ideas

designers

with varied materials

Reading

- etymology when reading new words
- Reading & discuss a broad range of Legible, fluent handwriting genres & texts
- Identifying & discussing themes
- Make recommendations to others Develop character, setting and
- Learn poetry by heart

Number/Calculation

• Secure place value

Confidently add &

subtract mentally

to 1,000,000

in context

& multiple

Science

Life cycles of plan

Biology

Chemistry

Physics

& Moon

- Draw inference & make predictions Use organisational & presentational Command of Standard English
- Discuss authors' use of language
- Retrieve & present information from non-fiction texts.

• Use negative whole numbers

methods for all four operations

• Use Roman numerals to 1000

(M) • Use standard written

• Use vocabulary of prime, factor

• Multiply & divide by powers of ten

& animals (inc. mammal, insect, bird, amphibian) •

Know about reversible changes; identify irreversible

• Understand location and interaction of Sun, Earth

Introduce gravity, resistance & mechanical forces

Describe changes as humans develop & mature

• Classify materials according to a variety of

properties • Understand mixtures & solutions

• Use square and cube numbers

• Formal presentations & debates • Perform own compositions

English

Writing

- Apply knowledge of morphology & Secure spelling, inc. homophones, Use expanded noun phrases prefixes, silent letters, etc.
 - Use a thesaurus

 - Plan writing to suit audience & purpose
 - atmosphere in narrative
 - features
 - Use consistent appropriate tense
 - Proof-reading

Grammar

- Use modal & passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas for parenthesis

Speaking & Listening

- Give well-structured explanations
 - Consider & evaluate
 - different viewpoints
 - Use appropriate register

Mathematics

Geometry & Measures

- Convert between different units
- Calculate perimeter of composite shapes & area of rectangles • Estimate volume & capacity • Identify 3-d shapes
- Measure & identify angles Understand regular polygons Reflect & translate shapes Data
- Interpret tables & line graphs Solve questions about line graphs

Fractions

- Add & subtract fractions with common denominators, with mixed numbers
- Multiply fractions by units Write decimals as fractions • Order & round decimal numbers
- Link percentages to fractions & decimal

- Compare & order fractions •

• Listen & engage

MFL

• Engage in conversations, expressing opinions

Art & Design (UKS2)

• Use sketchbooks to collect, record, review,

Improve mastery of techniques such as drawing

• Learn about great artists, architects &

Design & Technology (UKS2)

• Use annotated sketches, cross-section

• Use research& criteria to develop products which

are fit for purpose and aimed at specific groups

diagrams & computer-aided design (Y6 do mis

Use mechanical & electrical systems

own products, including programming

• Analyse & evaluate existing products and improve own work

• Cook savoury dishes for a healthy & varied diet

painting and sculpture (covered in Y6, not Y5)

(but done in Y6)

- 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

History

British History (taught chronologically)

- Anglo-Saxons & Vikings, including:
 - Roman withdrawal from Britain; Scots invasion
 - Invasions, settlements & kingdoms
 - Viking invasions; Danegald
 - Edward the Confessor

Broader History Study

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

Physical

Education (UKS2)

- Use running, jumping, catching
 - and throwing in isolation and 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 (KS1 or KS2)

Computing (UKS2)

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

Geography (4KS2)

- Name & locate counties, cities, regions & features of UK
- Study a region of Europe, and of the Americas
 - Understand biomes, vegetation belts, land use, economic activity, distribution of resources, etc.
 - Use 4- and 6-figure grid references on OS maps
 - Use fieldwork to record & explain areas

Music (UKS2)

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

Religious

Education

Reading

- Read a broad range of genres Recommend books to others • Make comparisons within/across
- Support inferences with evidence
 Plan writing to suit audience
- 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

Number/Calculation

• Secure place value &

including negatives

long division

indices)

Algebra

Science

Classification,

Biology

rounding to 10,000,000,

All written methods, including

• Use order of operations (not

Identify factors, multiples & primes

Solve multi-step number problems

• Introduce simple use of unknowns

including micro-organisms

 Health & Lifestyles, incl. circulatory system • Evolution & Adaptation

English

Writing

- Use knowledge of morphology & etymology in spelling
- Develop legible personal handwriting style
- & 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 the 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,
 - ypothesise & explore
 - Use appropriate register & language

Art & Design (UKS2)

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

Computing (UKS2)

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

Mathematics

Geometry & Measures

- Confidently use a range of measures & conversions • Calculate area of triangles / parallelograms
- Use area & volume formulas
- Classify shapes by properties

Data

• Use pie charts •

Calculate mean averages

• Know and use angle rules • Translate & reflect shapes, using all four quadrants

Fractions, decimals & percentages

- Compare & simplify 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

Design & Technology (UKS2)

- 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 and improve own work
 - Use mechanical & electrical systems in owr products, including programming
- Cook savoury dishes for a healthy & varied diet

Languages (UKS2)

- Develop appropriate pronunciation
- Show understanding in simple reading
- Adapt known language to create new ideas
- Describe people, places & things
- Understand basic grammar, e.g. gender

Geography (UKS2)

& communication

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

Modern (UKS2)

- Listen & engage
- Engage in conversations, expressing opinions
- Speak in simple language & be understood
- Present ideas & information orally

Music

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

History

British History (taught chronologically)

- Children Y5&6 (1066 onwards)

• An extended period study, e.g.

Local study - History of Worcester

P.E

P.E

- Use running, jumping, catching and throwing in isolation and 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 (KS1 or KS2)

Religious

Education

Continue to follow locallyagreed syllabus for RE

Physics

- Forces, including gravity •
- Electricity: investigating circuits
- Light & Shadows; the eye