Rothersthorpe CE Primary School

Overview of the National Primary Curriculum



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

•Use +, - and = symbols

•Know number bonds to 20

•Count in 1s, 2s, 5s and 10s

•Read & write numbers to 20

•Use language, e.g. 'more than',

•add and subtract one-digit and two-digit numbers to 20, including

•Solve one-step problems, including

•Identify 'one more' and 'one less'

English

Writing

- Spell very common 'exception' words
- •Spell days of the week
- Use very common prefixes & suffixes
- •Form lower case letters correctly
- •Form capital letters & digits
- •Compose sentences orally before 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
- Ask relevant questions
- 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

Science

simple arrays

Biology

zero

'most'

- 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

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 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

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

• Use four compass directions & simple vocab

the UK and the location of hot and cold areas

Recognise uses of IT outside of school

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

Languages

- Build and improve structure & mechanisms
- Understand where food comes from

Modern

Music (KS1)

Sing songs

Geography (Y1)

Name & locate

of the world

local & familiar features

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

Not required at KS1

Physical 2 **Education (KS1)**

- 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
- •Read & re-read phonic-appropriate •Spell using common suffixes, etc. 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 use place value (T/U)

•Identify, represent & estimate

Compare / order numbers, inc. <>

Begin to make inferences

Number/Calculation

•Know 2, 5, 10x tables

numbers

to 100)

•Count in 2s, 3s, 5s & 10s

•Write numbers to 100

•Use x and ÷ symbols

of multiplication

English

- •Spell by segmenting into phonemes •Use .!?, and'
- •Learn to spell common 'exception' •Use simple conjunctions words
- Use appropriate size letters & spaces

Writing

- Develop positive attitude & stamina for writing
- •Begin to plan ideas for writing
- Record ideas sentence-by-sentence
 ●Use spoken language to develop
- Make simple additions & changes after proof-reading

Grammar

- Begin to expand noun phrases
- Use some features of standard English

Speaking & Listening

- Articulate & Justify answers
- •Initiate & respond to comments
- understanding

Mathematics

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 3-d •Know number facts to 20 (+ related 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

History (KS1)

Biology

Recognise commutative property

Science

- 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

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

Design & Technology (KS1) Geography (Y2)

- 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

Modern . Languages

Not required at KS1

• Name & locate

- world's continents and oceans
- Compare local area to a non-European country

Computing (KS1)

• Organise, store, retrieve & manipulate data

Communicate online safely and respectfully

• Recognise uses of IT outside of school

Use logical reasoning to make

Understand use of algorithms

• Write & test simple programs

predictions

- 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

Music (KS1)

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

Physical

Education (KS1)

- 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 words
- •Read range of fiction & non-fiction •Write simple dictated sentences
- •Prepare poems & plays to perform
- 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 tables

•Secure place value to 100

Written column addition &

or hundreds to numbers of up to 3

Solve number problems, including

multiplication & simple division

and missing number problems

Use commutativity to help

English

Writing

- Use dictionary to confirm spellings
- •Use dictionaries to check meaning •Use handwriting joins appropriately pronouns
 - Plan to write based on familiar forms
 - Rehearse sentences orally for writing
 - •Use varied rich vocabulary

 - Assess effectiveness of own and others' writing

Grammar

- •Use range of conjunctions
- Use perfect tense
- 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

Mathematics

Geometry & Measures

- •Measure & calculate with metric measures
- •Mentally add & subtract units, tens •Measure simple perimeter
 - 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

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

lifecycle and requirements for life

Biology

Science

Plants, incl. parts,

digits

subtraction

calculations

Animals: skeletons & nutrition

Chemistry

- Classification of rock types
- •Simple understanding of fossilisation

Physics

- Sources of light; shadows & reflections
- •Simple forces, including magnetism

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

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

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

Modern

- 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

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
- Swimming proficiency at 25m (KS1 or KS2)

Geography (LKS2)

- Locate world's countries, focussing on Europe & Americas focus on key physical & human features
- Study a region of the UK (not local area)
- Use 8 points of compass, symbols & keys
- Describe & understand climate, rivers, mountains, volcanoes, earthquakes, settlements, trade links, etc.
- Use fieldwork to observe, measure & record

Languages (LKS2) Music (LKS2)

- Use voice & 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

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

or 1000

to 4 digits

Science

•Food chains

 Changes of state •The water cycle

Chemistry

Physics

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

 Correctly spell common homophones

Writing

- 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 and others' writing
- •Read own writing aloud

Grammar

- •Use wider range of conjunctions
- •Use perfect tense appropriately
- Select pronouns and 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

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

Data

•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,

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

History

Broader History Study

- Ancient Sumer;

- Shang Dynasty of Ancient China

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

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

Languages (LKS2) Modern

- 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

Education (LKS2) **Physical**

- 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
- Swimming proficiency at 25m (KS1 or KS2)

Geography (LKS2)

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

Religious

Education

Continue to follow locallyagreed syllabus for RE

Sound as vibrations

Classify living things

Digestive system & teeth

•Electricity: simple circuits & conductors

- Earliest ancient civilisations, i.e.
 - Indus Valley;
- Ancient Egypt; or

Reading

- Apply knowledge of morphology & Secure spelling, inc. homophones, etymology when reading new
- Reading & discuss a broad range of Legible, fluent handwriting genres & texts
- Identifying & discussing themes
- Learn poetry by heart

Number/Calculation

all four operations

1,000,000

context

mentally

multiple

Science

Chemistry

Physics

•Life cycles of plants

Biology

Secure place value to

- Discuss authors' use of language
- •Retrieve & present information from non-fiction texts.
- •Formal presentations & debates

Use negative whole numbers in

•Use Roman numerals to 1000 (M)

•Use standard written methods for

Use vocabulary of prime, factor &

•Multiply & divide by powers of ten

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

•Classify materials according to a variety of properties

•Know about reversible changes; identify irreversible

Understand location and interaction of Sun, Earth &

•Introduce gravity, resistance & mechanical forces

•Describe changes as humans develop & mature

•Use square and cube numbers

Understand mixtures & solutions

Confidently add & subtract

English

Writing

- prefixes, silent letters, etc.
- •Use a thesaurus
- Plan writing to suit audience & purpose
- Make recommendations to others
 Develop character, setting and atmosphere in narrative
- •Draw inference & make predictions •Use organisational & presentational •Command of Standard English features
 - Use consistent appropriate tense
 - Proof-reading
 - Perform own compositions

Grammar

- Use expanded noun phrases
- •Use modal & passive verbs
- Use relative clauses
- Use commas for clause
- 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

- •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 percentages to fractions & decimals

Listen & engage Engage in conversations, expressing opinions

Develop appropriate pronunciation Present ideas & information orally

Modern

- Show understanding in simple reading
- Adapt known language to create new ideas

Art & Design (UKS2)

• Use sketchbooks to collect, record, review, revisit

Improve mastery of techniques such as drawing,

Learn about great artists, architects & designers

painting and sculpture with varied materials

Design & Technology (UKS2)

Use annotated sketches, cross-section

Analyse & evaluate existing

• Cook savoury dishes for a healthy & varied diet

Speak in simple language & be understood

products and improve own work

Use mechanical & electrical systems in

own products, including programming

Languages (UKS2)

diagrams & computer-aided design

Use research& criteria to develop products which

are fit for purpose and aimed at specific groups

& evaluate ideas

- Describe people, places & things
- Understand basic grammar, e.g. gender

History

- Roman withdrawal from Britain; Scots invasion
- 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

British History (taught chronologically)

- Anglo-Saxons & Vikings, including:
 - Invasions, settlements & kingdoms

Education (UKS2) **Physical**

- 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
- 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 (UKS2)

- 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

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 2

Education

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

Number/Calculation

Secure place value &

negatives

division

indices)

Algebra

Science

Classification,

Biology

Discuss & explain reading, providing reasoned justifications for views

rounding to 10,000,000, including

•All written methods, including long

•Identify factors, multiples & primes

•Solve multi-step number problems

•Use order of operations (not

English

- •Use knowledge of morphology & etymology in spelling
- Develop legible personal handwriting style

Writing

- 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 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

Mathematics

Geometry & Measures

- measures & conversions
- Calculate area of triangles /
- Classify shapes by properties
- •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

- Confidently use a range of
- parallelograms
- •Use area & volume formulas

Data

•Introduce simple use of unknowns

•Use pie charts

Calculate mean averages

British History (taught chronologically)

- An extended period study, e.g.

 - Significant turning points in British history
 - Crime & punishment
 - Leisure

Physics

- •Light & Shadows; the eye
- Forces, including gravity

Evolution & Adaptation

Electricity: investigating circuits

including micro-organisms

•Health & Lifestyles, incl. circulatory system

History

- - The changing power of monarchs

Broader History Study

- Non-European society, i.e.
- Islamic civilization, including Baghdad
- Mayan civilization
- Benin (West Africa)
- American Indians

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

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 ow products, including programming
- Cook savoury dishes for a healthy & varied diet

Modern

Languages (UKS2)

Education (UKS2)

- 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

Physical,

- 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
- Understand uses of networks for collaboration

Detect & correct errors in programs

• Be discerning in evaluating digital content

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

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