Riverside School Primary Curriculum Year 1

English

See English long term overview

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

Geography

- Name & 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
- Name & 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

Physical Education

- 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)

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

Mathematics

See White Rose Overview

Modern Languages

Recommended:

- Greetings
- My name is..
- Class instructions
- Rhymes
- Songs
- Colours

History

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 – Warwick Castle/ visit of Queen Victoria to Leamington

Computing

Movement/Direction

Understand that algorithms follow a sequence of instructions
Write and test simple programs.
Use logical reasoning to predict the behaviour of simple programs

Basic Control

Understand what algorithms are, how they are implemented as programs on digital devices.
Understand that algorithms follow a sequence of instructions.
Write and test simple programs.
Use logical reasoning to predict the behaviour of simple programs

Powerpoint, Excel-spread sheet, word typing skills, e-safety, ipad apps, taking pictures, making videos, research and databases need to be taught through other subjects

Science

Biology
Plants
identify and name a variety of common wild and garden plants, including deciduous and evergreen trees identify and describe the basic plant parts, including trees (roots, stem, leaves, flower etc).
Animals including Humans
identify and name a variety of common animals (fish, amphibians, reptiles, birds, mammals, including pets)
identify and name a variety of common animals that are carnivores, herbivores and omnivores
describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals, including pets)
identify, name, draw and label the basic parts of the human body (link to senses)
Chemistry
Everyday Materials
distinguish between an objects and materials
identify and name a variety of everyday materials,
describe the simple physical properties of everyday materials
compare and classify materials.
Physics
Seasonal Changes
observe changes across the four seasons
observe and describe weather associated with the seasons and how day length varies.

Working Scientifically must **always** be taught through and clearly related to the content in the programme of study.

PSHE

-Recognise and discuss likes/ dislikes, what is fair/unfair and what is right/wrong. -Recognise and name feelings
-Recognise choices they can make
-Recognise groups that they belong to
-Recognise basic needs of themselves and others
-Recognise and name main parts of the body -Know that families and friends should care for each other

Careers

Music

Following instructions –
- Adapting to new environments
- Playing with other children
- Real world play (builder / nurse / doctor)

Feeding and drinking
- Toileting
- Real world play (kitchens, DIY, cleaning)
- Getting dressed
- Making choices

Making friends
- Social interaction
- Visits / day trips

Religious Education

Refer to PSHE scheme of work linked to festivals

Riverside School Primary Curriculum Year 2

RIVERSIDES
EVERY STUDENT MATTERS

English

See English long term overview

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

Geography

- Name & locate world's continents and oceans
- Compare local area to a non-European country - Bosierra Leone
- Use basic vocabulary to describe a less familiar area
- 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

Physical Education

- 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)

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

Mathematics

See White Rose overview

History

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 e.g. James Starley Key Events e.g. Bonfire night

Events of local importance

Computing

Sound manipulation/Movement
Understand what algorithms are, how they are implemented as programs on digital devices.
Understand that algorithms follow a sequence of instructions.
Write and test simple programs.
Use logical reasoning to predict the behaviour of simple programs.

Basic Control
Understand what algorithms are, how they are implemented as programs on digital devices.
Understand that algorithms follow a sequence of instructions.
Write and test simple programs.
Use logical reasoning to predict the behaviour of simple programs.

Movement
Understand what algorithms are, how they are implemented as programs on digital devices.
Understand that algorithms follow a sequence of instructions.
Write and test simple programs.
Use logical reasoning to predict the behaviour of simple programs.

Powerpoint, Excel-spread sheet, word typing skills, e-safety, ipad apps, taking pictures, making videos, research and databases need to be taught through other subjects

Modern Languages

Recommended:

- Greetings
- My name is..
- Class instructions
- Rhymes
- Songs
- Colours
- Numbers

Science

Biology
Living things and their habitats
differentiate living, dead, and non-living
identify habitats and describe how they provide for the basic needs of different kinds of animals and plants, and how they depend on each other
describe how animals obtain their food from plants and other animals, using the idea of a simple food chain,
Plants
observe and describe how seeds and bulbs grow into mature
plants basic needs of plants
Animals including Humans
notice that animals, including humans, have offspring which grow into adults
find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Chemistry
Uses of everyday materials
identify and compare the suitability of a variety of everyday materials

Physics
find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Careers

- Real world visits (fire stations, farms etc.)
- 'What do you want to be when you grow up?'
- Meeting role models

Numeracy

- Real world visits
- 'What do you want to be when you grow up?'
- Meeting role models

Washing / brushing teeth

- Telling the time
- Paying in shops (supervised)

Team playing

- After school clubs
- Weekend activities
- Developing friendships / friendship groups

Religious Education

Refer to PSHE scheme of work linked to festivals

PSHE

-Recognise feelings and that they can make a choice about how to deal with them
-Recognise what they are good at and how to set goals
-Know that they belong to different communities and that they can make a difference to these
-Know the process of growing from young to old and how people's needs change
-Know how to stay safe, including the dangers of medicines, road safety, sun safety etc.

Riverside School Primary Curriculum Year 3

English

See English long term overview

Art & Design

- 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

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

Geography

- 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

Physical Education

- 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)*

Mathematics

See White Rose overview

Modern Languages

- Listen & engage to a balance of written and spoken vocabulary
- Ask & answer questions
- Speak in sentences using familiar vocabulary
- Develop appropriate pronunciation
- Show understanding of words & phrases
- Learn basic prepositions
- Use description
- Appreciate stories, songs, poems & rhymes

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
A local history study, e.g. Warwick Castle/ Shakespeare
- A depth study linked to a studied period
- A study over a period of time
- A post-1066 study of a relevant period in local history

Computing

Movement
Design and write simple programs that accomplish specific goals, including controlling or simulating physical systems. Use sequence, selection and repetition in programs.
Generate appropriate inputs and predicted outputs to test programs.
Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs.
Movement/Control
Use sequence, selection and repetition in programs.
Work with variables and various forms of input and output. Generate appropriate inputs and predicted outputs to test programs.
Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs. Solve problems by decomposing them into smaller parts.

Powerpoint, Excel-spread sheet, word typing skills, e-safety, ipad apps, taking pictures, making videos, research and databases need to be taught through other subjects

Science

Biology
Plants
functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers explore the requirements of plants for life and growth
investigate the way in which water is transported within plants
life cycle of flowering plants, including pollination, seed formation and seed dispersal.
Animals, including humans skeletons and muscles food and nutrition
Rocks
Classification of rock types
Simple understanding of fossilisation
Physics
Light
recognise that they need light in order to see things and that dark is the absence of light
notice that light is reflected from surfaces
sources of light
shadow formation and changes in shadows
Forces and Magnets
compare how things move on different surfaces
notice that some forces need contact between two objects, but magnetic forces can act at a distance
simple forces, including magnetism
describe magnets as having two poles
investigate how two magnets will attract or repel each other

PSHE

-Grow in resilience by reflecting on achievements, mistakes and creating personal goals

-Research, discuss and debate topical issues

-Recognise different rights and responsibilities at home, at school and in the local community

-Know how to stay healthy and safe, including exercise, diet, drugs, acceptable physical contact, road use and understanding what affects mental health.

- Discuss different types of relationships.

Careers

- Real world visits (fire stations, farms etc.)
- 'What do you want to be when you grow up?'
- Meeting role models

Religious Education

Refer to PSHE scheme of work linked to festivals

Riversides School Primary Curriculum Year 4

English

See English long term overview

Art & Design

- 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

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

Geography

- 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

Physical Education

- 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)*

Mathematics

See White Rose overview

Modern Languages

- Listen & engage to a balance of written and spoken vocabulary
- Ask & answer questions
- Speak in sentences using familiar vocabulary
- Ask questions
- Develop appropriate pronunciation
- Show understanding of words & phrases
- Use description
- Appreciate stories, songs, poems & rhymes
- Broaden vocabulary

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.

Broader History Study

- Earliest ancient civilisation.
- Ancient Egypt;

Computing

Control/movement/Sound

Design and write simple programs that accomplish specific goals, including controlling or simulating physical systems.

Solve problems by decomposing them into smaller parts. Work with variables and various forms of input and output. Generate appropriate inputs and predicted outputs to test programs. Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs.

Design and write simple programs that accomplish specific goals, including controlling or simulating physical systems.

Solve problems by decomposing them into smaller parts.

Use sequence, selection and repetition in programs.

Work with variables and various forms of input and output. Generate appropriate inputs and predicted outputs to test programs. Use logical reasoning to explain how a simple algorithm works and to 4.5

Powerpoint, Excel-spread sheet, word typing skills, e-safety, ipad apps, taking pictures, making videos, research and databases need to be taught through other subjects

Science

Biology

Living things and their habitats

classify living things

use classification keys to help group, identify and name living things

recognise that environments can change and that this can sometimes pose dangers to living things.

Animals, including humans

describe the simple functions of the basic parts of the digestive system in humans

identify the different types of teeth in humans and their functions food chains,

identifying producers, predators and prey.

Chemistry

States of

Matter

solids, liquids or gases

observe that some materials change state when they are heated or

cooled evaporation and condensation and the water cycle

Physi

cs

Sound

sounds as vibrations

recognise that vibrations from sounds travel through a medium to the

ear explore pitch, volume, distance

Electricity

construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers

simple series circuit

switches

recognise some common conductors and insulators

PSHE

-Grow in resilience by reflecting on achievements + mistakes, making responsible choices and creating personal goals.

-Identify rules and know why they are needed in different situations (school / nationally)

-Know how to stay healthy and safe, including exercise, diet, drugs, acceptable physical contact, road use and understanding what affects mental health.

-Realise the nature and consequences of racism, teasing and bullying

Careers

- Talk about different careers and education
- options
- • Access to career related role models
- • Start to build a personal profile of interests
- and ambitions
- • School sessions from visitors on their
- careers

Religious Education

Refer to PSHE scheme of work linked to festivals

Riversides School Primary Curriculum Year 5

English

See English long term overview

Mathematics

See White Rose overview

Science

Biology
Living things and their habitats
differences in the life cycles of a mammal, an amphibian, an insect and a bird life process of reproduction in some plants and animals.

Animals, including humans
describe the changes as humans develop to old age.
Chemistry
Properties and changes of materials
classify materials on the basis of their properties,
give reasons for the particular uses of everyday materials, including metals, wood and plastic
understand mixtures and solutions
know about reversible and irreversible changes
Physics
Earth and Space
understand location and interaction of Sun, Earth and Moon
use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Forces
introduce gravity
resistance (air/water resistance)
Mechanical forces ,e.g., pulley, levers

Art & Design

- 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

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

Modern Languages

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

PSHE

-Know how emotions and bodies change as they approach puberty and how to deal with their feelings towards themselves, their families and other in a positive way.
-Recognise the range of jobs that people do and how to build their skills for the future
-Know how to look after their money and the benefits of saving
-Recognise the consequences of bullying
-Appreciate the range of national, religious and ethnic identities in the UK

Geography

- Name & locate counties, cities, regions & features of UK
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones
- Study a region of Europe
- Use fieldwork to record & explain areas

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

Careers

- Talk about different careers and education
- options
- • Access to career related role models
- • Start to build a personal profile of interests
- and ambitions
- • School sessions from visitors on their
- careers

Physical Education

- 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)*

Computing

Sound/Movement/Sensors
Design and write simple programs that accomplish specific goals, including controlling or simulating physical systems.
Solve problems by decomposing them into smaller parts.
Use sequence, selection and repetition in programs.
Work with variables and various forms of input and output.
Generate appropriate inputs and predicted outputs to test programs.
Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs.

Powerpoint, Excel-spread sheet, word typing skills, e- safety, ipad apps, taking pictures, making videos, research and databases need to be taught through other subjects

Religious Education

Refer to PSHE scheme of work linked to festivals

Riversides School Primary Curriculum Year 6

RIVERSIDES
EVERY STUDENT MATTERS

English

See English long term overview

Mathematics

See White Rose overview

Science

Biology
Living things and their habitats
Classification, including micro-organisms, plants and animals (give reasons)

Animals, including humans
human circulatory system, and the functions of the heart, blood vessels and blood health and lifestyles
describe the ways in which nutrients and water are transported within animals, including humans. **Evolution and inheritance**
recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Physics
Light
How light travels
explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Art & Design

- 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

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

Modern Languages

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

PSHE

--Know how emotions and bodies change as they approach puberty and how to deal with their feelings towards themselves, their families and other in a positive way.
-Recognise the range of jobs that people do and how to build their skills for the future
-Know how to look after their money and the benefits of saving
-Know what democracy is
-Know how the media present information
-To recognise and challenge stereotypes

Geography

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

History

British History (taught chronologically)
An extended period study, e.g.
- The changing power of monarchs
- Significant turning points in British history
- Crime & punishment
- Leisure

Broader History Study
Non-European society
- Bo, Sierra Leone

Careers

- Talk about different careers and education
- options
- • Access to career related role models
- • Start to build a personal profile of interests
- and ambitions
- • School sessions from visitors on their
- careers

Physical Education

- 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)*

Computing

Sensor work/Movement
Design and write simple programs that accomplish specific goals, including controlling or simulating physical systems.
Solve problems by decomposing them into smaller parts.
Use sequence, selection and repetition in programs. Work with variables and various forms of input and output.
Generate appropriate inputs and predicted outputs to test programs.
Use logical reasoning to explain how a simple algorithm works and to detect and correct errors in algorithms and programs
Powerpoint, Excel-spread sheet, word typing skills, e-safety, ipad apps, taking pictures, making videos, research and databases need to be taught through other subjects

Religious Education

Refer to PSHE sche