

# Birchwood Primary School

## Medium term plan - Year 5 Cycle A



### Alchemy Island

Music



### Peasants, Princes and Pestilence

History



### Pharaohs

History



### Firedamp and Davy Lamps

History



### Stargazers

Science



### Scream Machine

Science

Planned term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2- Author study
Key Texts	Wizard of Earthsea – Ursula Le Guin; The Lion, the Witch and the Wardrobe – C.S. Lewis	Children of Winter – Berlie Doherty	Secrets of a Sun King by Emma Carroll	Street Child by Berlie Doherty	Cosmic – Frank Cottrell Boyce	Carol Ann Duffy- The lost happy ending & The stolen childhood
Provocation Starter	Chief Alchemist's riddle	Meet 'Pestilence'	Mummification scene	dig up time capsule	Visit an observatory or planetarium	Hire VR for rollercoaster experience.
Exciting Outcome	Game soundtrack	Prevent a plague outbreak	Egyptian funeral preparations	Mining museum visit- completing street detective	Rocket launch	Design a drop ride



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activity

Visits out

N/A

N/A

Buddhist temple and national arboretum

BCLM

N/A

Lanchester Primary Visit.

Visitors in

N/A

The history specialists? Viking school visits - plague day

N/A

N/A

Planetarium experience / VR experience

VR/Experience

Visit to a place of worship

N/A

N/A

Buddhist temple and national arboretum

N/A

N/A

N/A

English (Explicit)

Setting description  
Character description  
Fantasy story (first half?)  
Cinquain & Renga poetry  
Persuasive letter

Newspaper about outbreak of plague  
Character description of plague doctor  
Rhyming couplet poems- ring a ring

Diary entry as Lillian- mystery  
Setting description- professor's room  
Story- getting into and escaping

Information page- Victorians  
Free verse poetry- Victorian London / mine  
Character description  
Story - Rags to Riches full

Newspaper - Missing boy  
Poetry - Haiku & Senryu  
Diary entry - first couple of days  
Story - sci-fi adventure- need

Poetry - Carol Ann Duffy  
Diary Entry- young woman  
Character description - old woman  
Story - twisted tale



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Science report

a roses (rhyming patterns) Story-focus on build up to dilemma and resolution  
Information page about microbes / plagues

murder scene Play script of story scene

story (dialogue focus) Biography – Dr Barnardo

to leave Earth.

Persuasive leaflet for Drayton Manor

English (Incidental)

Game instructions  
Composing a jingle  
Avatar profile

Life cycle report  
Flagellants diary  
Knight's fact page

River Nile facts page  
Pharaoh job description  
Mummification  
drama script

Health and safety debate about mining.  
Explanation about Urbanisation

Explanation of moon movement  
Info page on solar system  
Debate: who won space race?

Persuasive theme park leaflet  
Radio advert script  
Letter to Lanchester.

Mathematics (Explicit)

Place value – up to 6 digits, addition and subtraction (including money and measure), line graphs

Multiplication and division (including money and measure), multi-step problems

Written methods for multiplication and division, fractions

Fractions, decimals and percentages,

Measure- length, weight, capacity, time (including conversions), 2d and 3d shape,

coordinates, angles, translation, reflection, symmetry



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Mathematics  
(Incidental)

Co-ordinates and  
maps

Plague Data  
Comparison

Area of Egypt/Nile  
and land use

Workhouse Price  
Problems

Solar System Toilet  
Roll Scaling

Measures -  
converting mm/  
cm/m for DT

Science

Properties and  
changes of  
materials; Working  
scientifically Skills:  
2, 3, 4

Living things and  
their habitats;  
Working  
scientifically.  
[What is the life  
cycle of a  
mealworm?] -  
Working  
scientifically;  
Living things and  
their habitats  
Skills: 4, 6

Animals including  
humans- human  
growth and  
development. link  
to lack of nutrition,  
rest and impact on  
body Skills: 4, 5, 6

Rocks; Properties  
of materials Skills:  
1

Earth and space;  
Forces; Working  
scientifically. [Why  
are zip-wires so  
fast?] - Science  
investigation:  
Forces. [How do  
rockets lift off?] -  
Science  
investigation:  
Properties and  
changes of  
materials. [How do  
levers help us?] -  
Science  
investigation:  
Forces. [How does  
the Moon move?] -  
Science  
investigation:

Forces; Properties  
of everyday  
materials;  
Mechanisms;  
Working  
scientifically skills:  
2, 3



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Science

Earth and space  
Skills: 5, 6

Geography

Map reading;  
Using coordinates;  
Human and  
physical features

Maps

Human and  
physical features  
of Egypt; The  
River Nile; Tourism

Natural resources;  
Sketch maps;  
Energy

Locating physical  
features

Theme parks

History

N/A

14th century  
England

Ancient EgyptN/A

Timelines; The  
Industrial  
Revolution; Mining  
disasters; Mining  
strikes

Significant  
individuals –  
Galileo Galilei,  
Isaac Newton;  
1960s space race

N/A

Art and design

N/A

N/A

Drawing artefacts;  
Headwear;  
Hieroglyphic  
amulets

Art appreciation –  
Pitmen Painters;  
Sketching

Printing; Design

Photography and  
image editing

Design and  
technology

Electrical circuits;  
Designing a board  
game

N/A

N/A

Cam- Victorian  
moving toys

Moon buggies-  
pulleys and gears

Additional if time  
Designing rides;  
Programming



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models;

Food Technology

N/A

Gingerbread biscuits for Xmas fair

Egyptian flatbread (no yeast) and tomato and basil bread

N/A

N/A

Farmers Market - potato wedges- various seasoning

Computing

Photography; Debugging programs; Gaming Online Safety.

Collecting, evaluating and presenting data. NOS online relationships. Online bullying.

NOS - online reputation. Managing online information.

2code / Alex - programming. NOS: health, wellbeing and lifestyle.

Programming; Stop motion animation NOS privacy and security.

Photography; Creating digital maps; Research; Logical reasoning and algorithms; E-safety; Online discussion; Posters NOS copyright and ownership.

Now Press Play

Electricity Online Safety

French Greetings

Ancient Egypt

Decimals Fractions Relative Clauses (Judaism)

Forces? (Mars) Mission to Mars

Mental Health

Personal, social

Staying safe on-

Reliability of data

Friendship

Managing feelings

Economic well-

Managing changes





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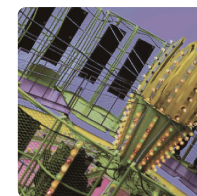
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and health education	line & Protective Behaviours	on line & Protective Behaviours		+ valuing our community	being	(including loss)
SMSC and British Values	Our rules in class + democracy	Giving opinions + challenging stereo types	Resolving dilemmas	Liberty & discrimination	Tolerance	Looking after our mental well-being
RE	Hinduism	Christianity	Buddhism	Judaism	Sikhism	Islam
Music	Composing; Recording and editing software; Music; Graphic scores Music express - unit 5 - At the Movies.	Composing; Singing Music express - unit 4 - keeping healthy.	Horrible histories - Victorian work dance - linked to theme. Music express - unit 6 - celebration.	Music express - unit 3 - Life Cycles.	Music; Lyrics Gustav Holst's planet suite - Elton John Rocket Man - David Bowie Space Oddity.	N/A
MFL	Stage 1: getting to know you, numbers, colours. Stage 2: welcome	Stage 1: Bonfire night colours, commands, colours, numbers,	Stage 1: epiphany celebrations, animals around us. Stage 2: family	Stage 1: carnival and playground games, Easter celebrations. Stage	Stage 1: breakfast, fruit and 'hungry giant'. Stage 2: feeling unwell,	Stage 1: map explorers gingerbread men, going on a picnic.



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to school - super learners.

calendar time, Christmas starry night. Stage 2: my / your local area.

tree, faces.

2: celebrating carnival, body parts.

jungle animals.

Stage 2: weather and ice creams.

Physical education

Tue INDOOR – USH (Gymnastics with AV) Mon OUTDOOR (Outdoor Adventurous Activities)

Tue INDOOR – USH (Gymnastics) Mon OUTDOOR (Team Games)

Mon INDOOR – USH (Pharaohs – Dance) Tue OUTDOOR (Team Games)

Tue INDOOR – USH (Victorian – Dance) Thu OUTDOOR (Team Games with TS)

Mon OUTDOOR (Athletics) Tue INDOOR – USH (Stargazers – Dance)

Tue INDOOR – USH (Team Games with AV) Mon OUTDOOR (Athletics)