



Thurlstone Primary School

Medium term plan - Year 5 Y1 to Y6 curriculum



Alchemy Island

Music



Stargazers

Science



Pharaohs

History



Sow, Grow and Farm

Geography



Off with Her Head!

History



Time Traveller

Art and design

Planned Term

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

Class Texts

Reading and writing text 1: The Tempest - William Shakespeare
Reading and writing text 2: Otto: the Autobiography of a Teddy Bear - Tomi Ungerer
Story time: The Borrowers

Reading and writing text 1: Hidden Figures: The True Story of Four black Women and the Space Race - Margot Lee Shetterly
Reading and writing text 2: High Rise Mystery - Sharna Jackson
Story time: The Boy at the Back of the Class

Reading and writing text 1: Firebird - Saviour Pirotta
Reading and writing text 2: Curiosity - Markus Motum
Story Time: Clockwork - Phillip Pullman

Reading and writing text 1: Robot Girl Malorie Blackman
Reading and writing text 2: The Man who Walked Between the Towers
Story Time: The Red Pyramid - Rick Riordan (link back to Egypt topic)

Reading and writing text 1: The Lost Thing - Shaun Tan
Reading and writing text 2: Unspoken - Henry Cole
Story Time: Cosmic - Frank Cottrell Boyce (Link back to space topic)

Reading and writing text 1: Kaspar: Prince of Cats - Michael Morpurgo and Michael Foreman
Story Time: Diver's Daughter: A Tudor Story - Patrice Lawrence (link to Tudor topic but also celebrates experiences of BAME figures in British history)



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Literacy

Text 1: Setting description, character descriptions /comparisons, diary entry, dialogue Main Outcome: Playscripts Text 2: Character descriptions and news articles. Main Outcome: Historical Narrative

Text 1: Non-chronological Reports, formal persuasive letter, informal letter, diary entry, character descriptions, newspaper report (opinion piece) Main Outcome: Memoir of Dorothy Vaughan Text 2: Character Description, Police Report, Setting Description, Newspaper Article, Dialogue, Formal Persuasive Letter, Main Outcome: Extended Narrative

Text 1: Formal letters, retellings, character descriptions Main Outcome: Fairytale narrative Text 2: proposal to NASA, information labels, short explanation, NASA log of Mars landing, news report, expanded explanation for a new rover

Text 1: Discussion, debate, dialogue, character comparisons, review Main Outcome: Science-fiction narrative Text 2: Information writing (Wikipedia page), letters of advice (formal), writing in role, interviews, news report, persuasive speeches Main Outcome: Biography/ autobiography

Text 1: Diary entries, formal letters, adverts, character and setting descriptions, nonchronological reports Main Outcome: Own version fantasy narrative Text 2: Recount in role, letters of advice, descriptive retellings, wanted posters, dialogue Main Outcome: Biography

Text 1: Character descriptions, reports, letters, advertising leaflet, balanced report Main Outcome: Newspaper article



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Mathematics

Place Value:
 -Numbers to 10,000 -Roman numerals
 -Rounding to 10, 100 and 1,000
 -Numbers to 100,000 -Compare and order numbers to 100,000 -Round numbers within 100,000 -Numbers to a million
 -Counting in 10s, 100s, 1,000s, 10,000s and 100,000s
 -Compare and order numbers to one million -Round numbers to one million -Negative numbers
 Addition and Subtraction:
 -Add whole numbers with

Statistics: -Read and interpret line graphs -Draw line graphs -Use line graphs to solve problems -Read and interpret tables -Two-way tables -Timetables
 Multiplication and Division: -Multiples -Factors -Common factors -Prime numbers -Square numbers -Cube numbers -Multiply by 10, 100 and 1,000 -Divide by 10, 100 and 1,000 -Multiples of 10, 100 and 1,000
 Area and Perimeter:
 -Measure perimeter
 -Calculate

Multiplication and Division: -Multiply 4-digits by 1-digit -Multiply 2-digits (area model) -Multiply 2-digits by 2-digits -Multiply 3-digits by 2-digits -Multiply 4-digits by 2-digits -Divide 4-digits by 1-digit -Divide with remainders
 Fractions:
 -Equivalent fractions
 -Improper fractions to mixed numbers -Mixed numbers to improper fractions
 -Number sequences
 -Compare and order fractions less

Fractions: -Add mixed numbers -Subtract fractions -Subtract mixed numbers -Subtraction -breaking the whole -Subtract 2 mixed numbers -Multiply unit fractions by an integer -Multiply non-unit fractions by an integer -Multiply mixed numbers by integers -Fraction of an amount -Using fractions as operators
 Fractions, Decimals and Percentages:
 -Decimals up to 2 d.p. -Decimals as fractions (1)

Decimals: -Adding decimals within 1 -Subtracting decimals within 1 -Complements to 1 -Adding decimals - crossing the whole -Adding decimals with the same number of decimal places -Subtracting decimals with the same number of decimal places -Adding decimals with a different number of decimal places -Subtracting decimals with a different number of decimal places
 -Adding and subtracting wholes and decimals

Position and Direction:
 -Position in the first quadrant
 -Reflection
 -Reflection with coordinates
 -Translation
 -Translation with coordinates
 Converting Units:
 -Kilograms and kilometres
 -Millimetres and millilitres -Metric units -Imperial units -Converting units of time
 -Timetables
 Volume: -What is volume? -Compare volume -Estimate volume -Estimate capacity



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more than 4 digits (column method)
-Subtract whole numbers with more than 4 digits (column method)
-Round to estimate and approximate
-Inverse operations (addition and subtraction)
-Multi-step addition and subtraction problems

perimeter -Area of rectangles -Area of compound shapes
-Area of irregular shapes

than 1 -Compare and order fractions greater than 1
-Add and subtract fractions -Add fractions within 1
-Add 3 or more fractions -Add fractions

-Decimals as fractions (2)
-Understand thousandths
-Thousandths as decimals
-Rounding decimals -Order and compare decimals
-Understand percentages
-Percentages as fractions and decimals
-Equivalent F.D.P

-Decimal sequences
-Multiplying decimals by 10, 100 and 1,000
-Dividing decimals by 10, 100 and 1,000
Properties of Shape:
-Measuring angles in degrees
-Measuring with a protractor (1)
-Measuring with a protractor (2)
-Drawing lines and angles accurately
-Calculating angles on a straight line
-Calculating angles around a point
-Calculating lengths and angles in shapes -Regular and irregular polygons



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-Reasoning about 3-D shapes

Science

Properties and changes of materials; Working scientifically

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: Earth and space

Food chains and webs; Life cycles; Plant reproduction; Growing plants; Modern farming

Animals, including humans; Living things and their habitats; Working scientifically



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Geography

Map reading;
Using coordinates;
Human and
physical features

Locating physical
features

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

Land use in the
UK; Allotments;
Farming in the UK;
Maps; Grid
references;
Climate zones;
Physical features
of North and
South America;
Farming in North
and South
America; Food
transportation

Maps

Local community

History

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

Ancient Egypt

Dig for Victory

The Tudors

Changes over the
last century

Art and design

Printing; Design

Drawing artefacts;
Headwear;
Hieroglyphic
amulets

Still life

Portraits;
Sketching Tudor
fashions; 3-D
modelling

Photography;
Great artists –
Andy Warhol,
Salvador Dali;
Collage



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Computing

Photography;
Debugging
programs; Gaming

Programming; Stop
motion animation

Research; Data
handling;
Presentations

Digital portraits;
Data logging;
Research

Design and
technology

Electrical circuits;
Designing a board
game

Selecting
materials;
Research;
Structures;
Evaluation

Egyptian food;
Making tombs and
pyramids

Seasonality. [Eat
the Seasons] -
Cooking; Nutrition

Selecting materials

Physical education

Real PE - Year 5/6
- Unit 2 - Creative.
1 session per
week. Football 1
session per week.

Real PE - Year 5/6
- Unit 3 - Social
Skills 1 session per
week. Dance 1
session per week.

Real PE - Year 5/6
- Unit 4 - Physical
Skills 1 session per
week. Gymnastics
1 session per
week.

Real PE - Year 5/6
- Unit 1 -
Cognitive 1
session per week.
Tag Rugby 1
session per week.

Real PE - Year 5/6
- Unit 5 - Health
and Fitness 1
session per week.
Tennis 1 session
per week

Real PE - Year 5/6
- Unit 5 - Personal
1 session per
week. Cricket 1
session per week.

PSHE

1 Decision:
Keeping/Staying
Safe: Peer
Pressure A World
Without
Judgement:
Breaking down

1 Decision:
Keeping/Staying
Healthy: Healthy
Living Smoking

1 Decision:
Growing and
Changing:
Appropriate Touch
(relationships)
Puberty

1 Decision: Being
Responsible:
Coming home on
time Looking out
for others The
Working World:
Chores at home

1 Decision:
Emotions: Jealousy
Anger

1 Decision:
Computer Safety:
Online bullying
Image sharing The
Working World:
Enterprise



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barriers Inclusion and acceptance

Music

Composing; Recording and editing software; Music; Graphic scores Young Voices Practice (every other week)

Young Voices Practice (every other week)

Charanga - Livin' on a Prayer Young Voices Practice (every other week)

Young Voices Practice (every other week)

Charanga - Fresh Prince of Bel-Air

RE Christianity and Buddhism

Christianity - Key Q: How can faith contribute to community cohesion? (lesson every other week)

Locally agreed syllabus
Christianity - Key Q: Why are some times special? (linking to Christmas)
Buddhism - Key Q: Why are these words special? Why are some places visited? How can faith contribute to

Christianity - Key Q: How can faith contribute to community cohesion? (lesson every other week)

Locally agreed syllabus
Christianity - Key Q: Why are some times special? (linking to Easter and Holy Week) (lesson every other week)

Locally agreed syllabus
Buddhism - Key Q: Why are these words special? Why are some places visited? How can faith contribute to community cohesion? Why are some times special? What can be learnt from the lives of significant



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community cohesion? Why are some times special? What can be learnt from the lives of significant people of faith? How do I and others feel about life and the universe around us?

people of faith? How do I and others feel about life and the universe around us?

Spanish

Know parts of the body orally and written, including the use of gender correct adjectives. Name and describe members of the family. Describe the weather orally and in writing. Name and describe pets.

Know parts of the body orally and written, including the use of gender correct adjectives. Name and describe members of the family. Describe the weather orally and in writing. Name and describe pets.



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Learn the different forms of the verbs to have, to do and to be.

Learn the different forms of the verbs to have, to do and to be.