Birchfield PRIMARY SCHOOL

Year 5 Curriculum Overview
Term 1.2

Teaching Team:

Class Teachers: Miss Begum, Miss Fowler and Miss Nur

Teaching Assistant: Mrs Patel

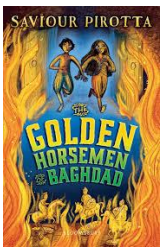
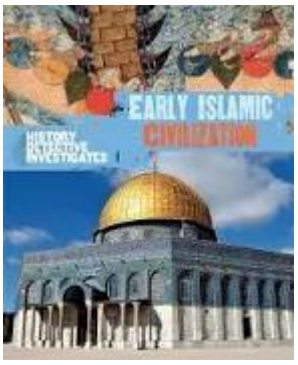
SLT: Mr Mazhar

PE: PE lessons are on **Thursday.**

On this day, children must be wearing their P.E kits. This includes a white t-shirt, black bottoms and trainers. No jewellery is to be worn on PE days; parents must remove this before bringing their child to school on this day.

Homework: Homework is set on **Friday** and completed by **Wednesday.**

Please see below an overview of the main themes, knowledge, and skills we will be covering this half term.

Significant People	Dame Zaha Mohammad Hadid
Class Texts	**The Golden Horsemen of Baghdad – Saviour Pirotta**  **(Themes: family responsibility, perseverance against hardship, and cultural exchange)** **History Detective – Ancient Islamic Civilisation** by Claudia Martin 
Reading	**Reading Domains** 2a – Give/explain the meaning of words in context. 2b – Retrieve and record information/identify key details from fiction and non-fiction. 2c – Summarise main ideas from more than one paragraph. 2d: Make inferences from the text/explain and justify inferences with evidence from the text. In Reading, the children will read the class text The Golden Horsemen of Baghdad. The children will be taught strategies to enable them to work out the meaning of unknown words in context from the class text. Using both texts, they will complete retrieval questions, where they will be focussing on comprehension skills. They will also be further exploring inference focussing on

	characters actions. Children will also learn how to summarise a text using the key information, they will build on their prior knowledge.
Writing	In Writing, the children will begin by writing a non-chronological report based on The Giant Panda. They will focus on adding additional information using relative clauses and further parenthesis. Pupils will then draft and edit a non-chronological report about Biomes. Next, the children will be writing, using a formal tone, persuasive emails, firstly to persuade the local council to help with the issue of plastic pollution and then to Mrs Hazeldine persuading her to bring back Friday breaktimes. They will develop their skills using a range of techniques to link ideas and build complex sentences. The grammar focus will be the use of modal verbs and adverbs of degree. Pupils will then write to entertain by revisiting narrative, where they will write an adventure story, set in Baghdad, with a portal and a second narrative based on a science fiction adventure. They will hone the skills of using action and pace to support cohesion and varying sentences between short and long. In grammar, they will focus on speech punctuation and fronted adverbials. Finally, pupils will write poems about Islamic civilisation and one about Winter. They will be practising the skills of figurative language focussing on effective noun phrases to add detail, advanced similes, personification and language used to create emotion.
Maths	This term, Year 5 will focus on multiplication and division. Children will learn about common multiples, factors, common factors, prime numbers, square numbers and cube numbers. Children will be learning formal methods of division as well as consolidating their understanding of short- and long-term multiplication. Children will be applying the short division method to solve division problems and will be using the inverse operation to check their answers. To further their understanding, children will be solving real life problems and answering test style questions. Following this, children will explore key concepts related to fractions. They will learn to identify and generate equivalent fractions, convert between improper fractions and mixed numbers, and compare and order fractions. Additionally, children will practice adding and subtracting fractions with the same denominator and mixed numbers. Through engaging activities, they will build confidence and proficiency in working with fractions.
History	This Autumn, our focus will be on studying the Ancient Islamic Civilisation, a non-European society that provides contrasts with British history. The children will sequence historical periods using a timeline, study the Silk Road and the impacts of trade and explain how certain scientific achievements influenced society. They will research about the House of Wisdom and how achievements and

	knowledge then spread across the world. This enquiry will culminate with a study of what life was like for different groups of people and identify the similarities and differences between the Dark Ages and the Golden Age of Islam.
Science	This half term, year 5 will be covering the topic Animals including Humans. The children will plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. We will record data and results of increasing complexity, using scientific diagrams and labels, classification keys, tables, and bar and line graphs. The children will also report and present findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations.
DT	Children will be exploring the exciting world of structures in design and technology. They will start by learning about famous buildings and how different materials and construction methods help make structures strong and stable. The children will experiment with techniques like folding and layering materials to test how they can strengthen a design. Throughout the term, they will work on a fun project: designing and building a shelter. They will use recycled materials, learning not only about strength but also about sustainability. The children will design and build a bridge over a riverbank to meet specific needs, focusing on stability and strength using materials like corrugated cardboard and bottle tops.
Music	This half term, music is designed to develop children's vocal abilities while building confidence and expressive skills in musical performance. Through engaging warm-up and vocal health activities, children will establish a strong vocal foundation that supports a variety of repertoire choices. They may explore one of three productions—" Panto Pandemonium", "Bells Ring Out", or "The Match Girl's Christmas"—each offering unique opportunities to refine vocal delivery, interpretative skills, and performance techniques.
Computing	During this half term, the children will be using iMovie on the iPads to create their own video. The children will learn what a video is, filming techniques, using a storyboard, how to plan a video, how to import and edit a video. Then finally, they will evaluate their end product.
PSHE	During this half term, I In this unit, pupils will learn how to communicate safely, respectfully and responsibly both online and offline. They will explore how their online actions can affect others, recognise signs of unhealthy online relationships, and develop strategies to make safe choices when sharing information and managing pressure online.

RE	This half term we will focus on two topics: Being Loyal and Steadfast and Being Hopeful and Visionary. In the first unit, children will be able to discuss what commitment means and how they show commitment in everyday life. We will be discussing how and why followers of different religions show their commitment and loyalty. In the second unit, children will express their hopes for themselves and will then look at how Christians and Muslims express hope and the things they are hopeful for in their lives.
PE	This half term the children will be taking part in gymnastics. The unit of work will focus on exploring Counterbalance and Counter Tension balances on the floor and on apparatus. Pupils will create sequences by consistently applying flow and challenging their creativity. Pupils will focus on ways they can construct the sequence and link the balances with movements. Children will also be taking part in games, where the work will challenge pupils to refine their attacking skills. Pupils will have a clear understanding of when, where and why they apply these skills during a game. Pupils will be able to develop tactics for both attacking and defending and apply these successfully within their team.

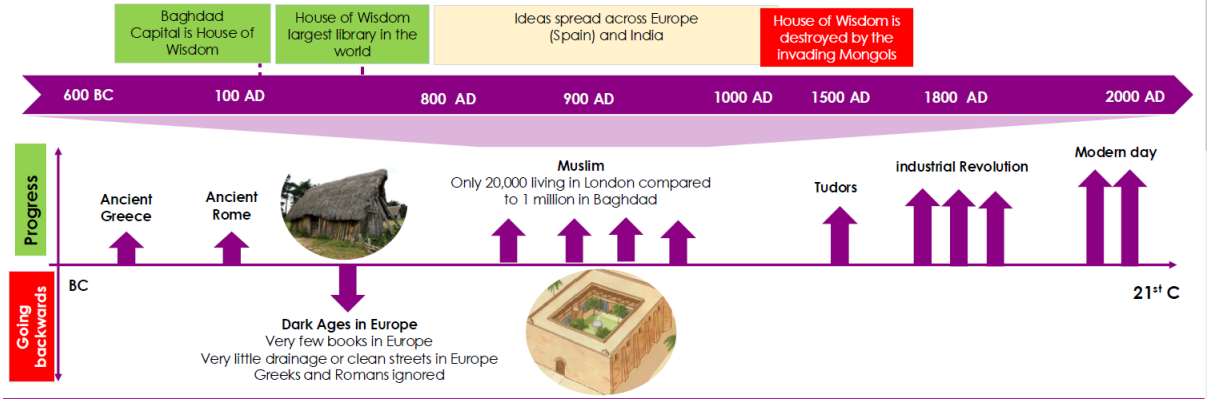
Knowledge organisers

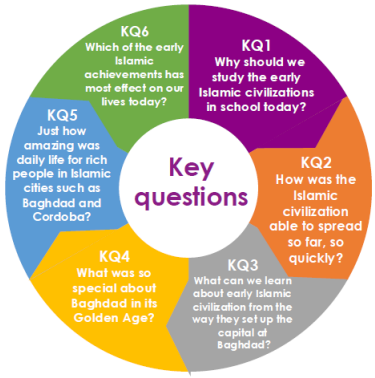
History

Early Islamic civilisation

Why we are learning about Early Islamic civilisation

You are studying this topic so that you realise that a thousand years ago Baghdad was the largest city in the whole world. Famous not only for it's size, the city and the whole of the Islamic kingdom were known for exceptional achievements in science and astrology. When there are some people in Britain today who attacked Muslims it is important to understand their culture and history so that you realise that 1,000 years ago this was a Golden Age when major advances were being made in medicine and learning. Schools, observatories, libraries, hospitals and universities were ahead of what was happening in Britain at the time.





Key vocabulary

Astrolabe	Instrument for navigation e.g. finding the direction to Mecca
Astrology	Study of the movement of the stars and planets and their effect on humans
Astronomy	Study of stars and planets
Calligraphy	Beautiful artistic handwriting
Caliph	Political and religious leader
Islam	Religion of the Muslims . It means surrender to God
Mecca	Place in Arabia where Muhammad was born
Muhammad	Founder of Islam
Mosque	Islamic place of worship
Minarets Thin	Tower, typically part of a mosque, with a balcony from which Muslims are called to prayer.
Muslim	Believer in Islamic religion
Observatory	Building from which to study stars and planets
Qur'an	(Koran) Holy book of Islam

Top takeaways

1. Early Islamic civilisation wasn't a single country. The Islamic empire steadily spread from the Middle East, west to North Africa and Spain and east to India with Muslims representing around a quarter of the global population

2. For a period Baghdad was the largest city in the world and also the intellectual capital of the world keeping alive the ideas of the Greeks and the Romans

3. One of the classical features of this Golden Age was it's tolerance.

4. Islamic civilization used the idea of zero for the first time and its numerals, 1,2,3, etc are still used today. The word for a branch of mathematics called algebra comes from this time

5. Islamic knowledge of medicine, astrology and science was way ahead of Britain at the time and their ideas of keeping clean were also advanced, with their baths, canals, reservoirs and clean streets.

Home Learning and Useful Links:

Homework

Homework will be set weekly using the Collins homework books.

Spellings

These are words your child will be using daily and will need to be familiar with. We will also be sending home words with your children that are key in Year 5 and 6.
Please encourage your child to practise their spellings at the weekend and across the course of the week, as they will be tested on these at the end of each week.

Reading:

All children go to the school library weekly, please encourage your child to read this book regularly and listen to them read when you can.

Reading:

Oxford Owl for School and Home

https://www.bbc.co.uk/bitesize/topics/zs44jxs/year/zhgppg8

https://schoolreadinglist.co.uk/category/reading-lists-for-ks2-school-pupils/

Phonics:

https://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar

PhonicsPlay

Phase 2 Games – Letters and Sounds (letters-and-sounds.com)

Writing:

https://www.bbc.co.uk/bitesize/subjects/zv48q6f/year/zhgppg8

https://home.oxfordowl.co.uk/english/primary-writing/writing-year-5-age-9-10/

Spelling and Grammar, English Games for 7-11 Years - Topmarks

Maths:

Key Stage 2 Maths - Topmarks Search

https://www.timestables.co.uk/multiplication-tables-check/

Science:

https://www.bbc.co.uk/bitesize/subjects/z2pfb9q/year/zhgppg8

Home | WowScience - Science games and activities for kids

https://www.bbc.co.uk/bitesize/topics/z6wwxnb/articles/zdvhxbk

History/Geography:

https://www.theschoolrun.com/homework-help/shang-dynasty

https://www.ducksters.com/history/china/shang_dynasty.php

https://www.bbc.co.uk/bitesize/topics/z39j2hv

Computing:

Is my child safe online? Parent's questions answered | Barnardo's (barnardos.org.uk)

Parents and Carers - UK Safer Internet Centre

Parental Controls & Privacy Settings Guides | Internet Matters

PSHE:

Talk PANTS & Join Pantosaurus - The Underwear Rule | NSPCC

How to make an emergency 999 call – West Midlands Ambulance Service University NHS Foundation Trust (wmas.nhs.uk)

PE:

Nutrition Based Physical Activity Games - Action for Healthy Kids

Kids Active Learning & PE at Home – Think Active

Multiplication and Division — Knowledge Organiser

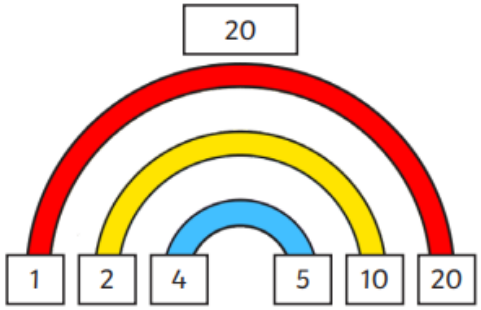
Key Vocabulary

- multiply
- groups of
- lots of
- times
- divide
- share
- remainder
- factor
- multiple
- product

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Factors

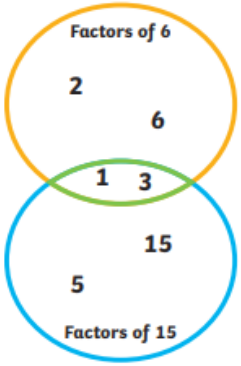
A factor is a number that divides into another number exactly, without leaving a remainder.



The factors of 20 are 1, 2, 4, 5, 10 and 20.

The factor pairs are:
1 and 20
2 and 10
4 and 5

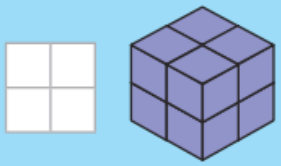
A common factor is a factor of 2 or more numbers.



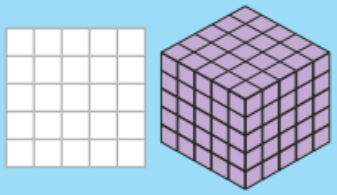
Prime Numbers

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Squared² and Cubed³ Numbers



$2^2 = 4$	$2^3 = 8$
$2 \times 2 = 4$	$2 \times 2 \times 2 = 8$



$5^2 = 25$	$5^3 = 125$
$5 \times 5 = 25$	$5 \times 5 \times 5 = 125$

Related Calculations

$8 \times 9 = 72$ $80 \times 9 = 720$	$9 \times 8 = 72$ $90 \times 8 = 720$
$72 \div 9 = 8$ $720 \div 9 = 80$	$72 \div 8 = 9$ $720 \div 8 = 90$
$724 \times 10 = 7240$ $724 \times 100 = 72\,400$ $724 \times 1000 = 724\,000$	$486\,000 \div 10 = 48\,600$ $486\,000 \div 100 = 4860$ $486\,000 \div 1000 = 486$

$3600 \div 400 = 9$

3600 ÷ 100 = 36

36 ÷ 4 = 9

Reading:

Oxford Owl for School and Home
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