Birchfield PRIMARY SCHOOL

Year 4 Curriculum Overview Term 3.1

Teaching Team:
Mr Barnes, Miss Beck, Mrs Hickman, Mrs Khatri

SLT:
Mr Mazhar

PE Days: Thursday

Homework: Monday & Friday

Enquiry Question	Where are the European mountain ranges?
Significant People	- Samira Mian – Artist - Pete Moorehouse – Artist and sculptor - Sir George Everest
Class Texts	King of the Cloud Forest – Micheal Morpurgo
Reading	During Summer 3.1, the children will explore the text 'King of the Cloud Forests,' while developing key reading skills, including working out the meaning of new vocabulary using clues from the text, retrieving important information using a range of previously taught comprehension techniques, and strengthening their inference skills by identifying characters' thoughts and feelings and justifying their ideas with evidence. They will apply these skills through activities such as word substitution, finding and copying key words, and answering both multiple-choice and short written inference questions using the structure "I infer that… because…". All of which are designed to build confidence and deepen understanding of both fiction and non-fiction texts.
Writing	This half term, the children will begin by exploring persuasive adverts. They will learn how to begin complex sentences using an adverb and ensuring that it is correctly punctuated with a comma, experiment with a range of sentence types, and develop their understanding of emotive language and using this to persuade the reader to change their point of view. Following this, the children will move on to writing a narrative that focusses on retelling events. In this unit, they will focus on refining their punctuation and grammar in longer sentences and using direct speech to enhance the narrative.

Maths	This half term, our focus will begin with decimals. To begin with, children will be recapping their number bonds to 100. They will then move onto learning how to make a whole from any of the tenths and hundredths using their number bonds to 10 and 100. Following this, children will move onto learning how to write decimal through the support of place value counters, as this will help them understand the value of each digit. They will also be learning how to compare, order and round decimals. Following their learning from fractions from the previous term, the children will be taught how to write ½, ¼ and ¾ as decimals. The children will then move onto developing their understanding of pounds and pence using decimal notations and then onto converting between different units of money. They will continue learning about money and how to order, estimate and round money. They will also be learning how to use the four operations to solve money problems. Progressing to the end of this half term, the children will focus on the measurement of time. The children will develop their understanding of years, months, weeks and days along side hours, minutes and seconds. The children will develop their understanding of the relationships between these units if measurement and converting between them.
Geography	The children will learn what mountains are, how they are formed, and where major mountain ranges can be found in the UK and Europe. Pupils learn key map skills such as using lines of latitude, identifying European countries and capitals, and reading topographic maps to spot elevation. They explore different types of mountains, label mountain features, and understand how climate affects mountain environments. The unit ends with a comparison between the UK and Scandinavia, helping pupils describe and compare physical geography confidently.

Science	This term, Year Four will explore the fascinating world of living things and the environments they depend on. The children will begin by learning how to classify animals, understanding the difference between vertebrates and invertebrates, and using classification keys to sort and identify a range of organisms. They will then investigate different habitats and microhabitats, discussing what living things need to survive and how plants and animals are adapted to their environments. As the unit progresses, pupils will study food chains, food webs and the idea of interdependence — discovering how all living things

	rely on each other for survival. They will also learn how seasonal changes affect habitats, exploring which animals hibernate or migrate and how these behaviours help them cope with changing conditions. Finally, the children will examine how both natural events and human actions, such as deforestation and pollution, can impact ecosystems. Through this, they will develop an understanding of how environmental changes affect habitats and the animals that live within them.
Art	In this topic, the children will explore Islamic art, focusing on its geometric patterns, shapes and decorative designs. They will study the work of artists like Samira Mian and learn how Islamic patterns are created. Children will experiment with nets and 3D shapes, joining them to make abstract sculptures. They will also learn clay sculpting techniques, including carving, adding texture, and joining clay using slip, score and blend. Throughout the unit, they will practise designing in their sketchbooks, develop their own ideas, and finally create a clay sculpture inspired by Islamic art, evaluating and refining their work as real artists do.
Music	In this topic, the children will learn how sound effects can make videos more exciting and realistic. They will explore different sounds, record their own effects, and learn how to layer and time them to match what is happening on screen. They will work in groups to create soundscapes, add effects to their own short videos, and share their finished projects. By the end, the children will understand how sound can change the mood of a scene and help tell a story.
Computing	The computing lessons this half term will focus on data logging. The children will consider how and why data is collected over time and understand how computers can monitor the environment over time. The children will collect and access data, captured over long periods of time. The children will use a device to review and analyse data as well as pose questions and use data loggers to answer the questions.
PSHE	In PSHE, we will be looking at 'Living in the wider world'. This focuses on how people have a shared responsibility to help protect the world around them, e.g., caring for others, animals, and the environment.

RE	In RE, we will be focusing on the unit of 'Living by the Rules', this unit focuses on the religious teachings of Christianity, Islam and Judaism. The children will learn why following rules is so important and the different ways the followers live by rules
PE	During this half term the children will be swimming. The children will also be taking part in tennis lessons.

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

Knowledge Organiser – Stop! – Year 4, Unit 3

charanga MUSICAL SCHOOL

1 – Listen & Appraise: Stop! (Grime)

Structure: Intro and 6 rapped verses, each with a sung chorus.

Instruments/voices you can hear: Digital/electronic sounds, turntables, synthesisers, drums.

Can you find the pulse as you are listening? Dance, clap, sway, march, be an animal or a pop star.

2 – Musical Activities using glocks and/or recorders

Warm-up games play and copy back using up to 2 notes – C + D.
Bronze: no notes | Silver: C, sometimes D | Gold: C + D challenge.
Which challenge did you get to?

Singing and rapping in unison and in parts.

Compose your own rapped lyrics about bullying or another topic or theme that you decide.

3 — Perform & Share

Decide how your class will introduce the performance. Perhaps add some choreography? Tell your audience how you learnt this song and why. Record the performance and talk about it afterwards.

The performance will include one or more of the following:
Improvisations • Compositions • Rapped lyrics that you composed

About this Unit

Theme: Grime and other styles of music.

Facts/info: Stop! is a song/rap written in a Grime style for you to compose your own lyrics.

Listen to 5 pieces of music in different styles:

- Gotta Be Me performed by Secret Agent 23 Skidoo (Hip Hop)
- Radetzky March by Strauss (Classical)
- Can't Stop The Feeling! by Justin Timberlake (Pop with Soul, Funk and Disco influence)
- Libertango by Astor Piazzolla (Tango)
- Mas Que Nada performed by Sergio Mendes and the Black Eyed Peas (Bossa Nova and Hip Hop)

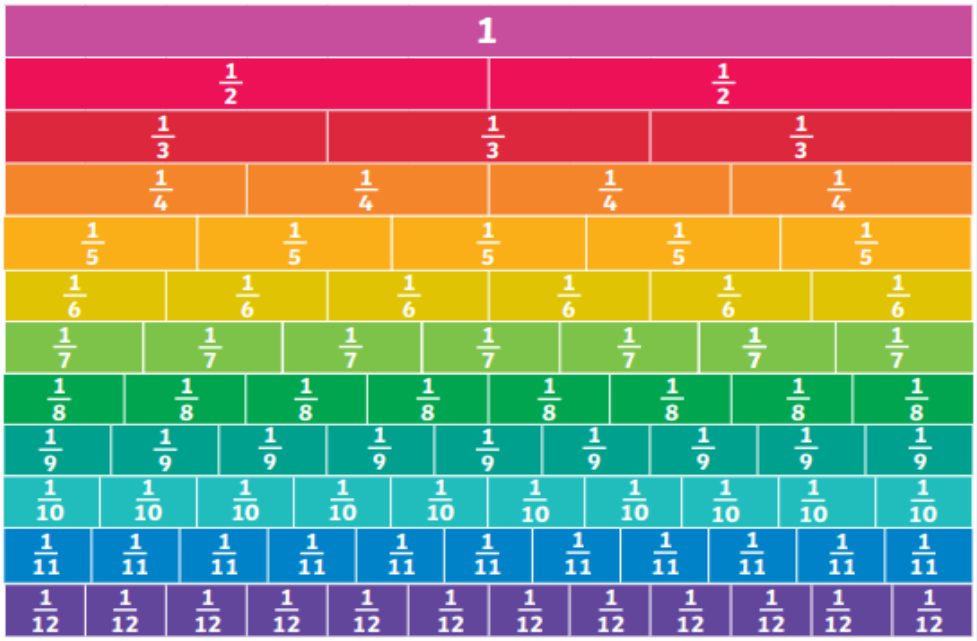
Vocabulary: Musical style, rapping, lyrics, choreography, digital/electronic sounds, turntables, synthesisers, drums, unison, pulse, rhythm, pitch, tempo, dynamics, texture structure, compose, improvise, hook, riff, melody, solo

Reflection

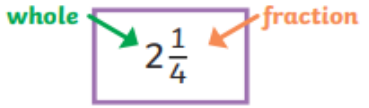
What did you like best about this Unit? Why? Was there anything you didn't enjoy about it? Why?

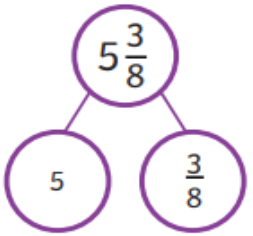
Did you have any strong feelings about it? Were you proud of yourself, happy or annoyed?

- numerator
- denominator
- unit fraction
- non-unit fraction
- equivalent
- quantities
- whole
- halves
- thirds
- quarters
- fifths
- sixths
- sevenths
- eighths
- ninths
- tenths
- elevenths
- twelfths
- mixed number
- improper fraction

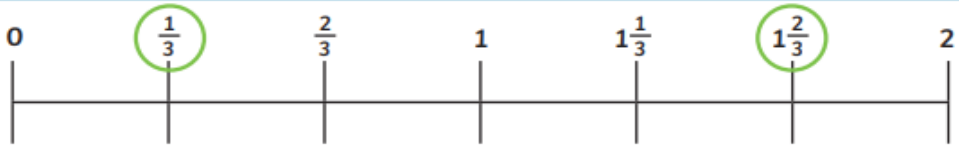


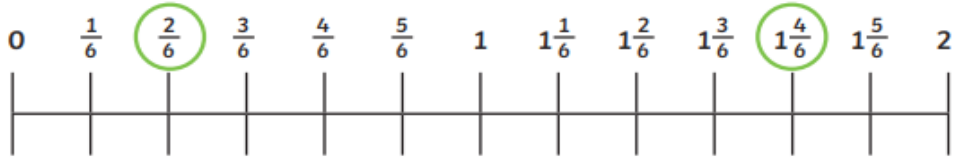
Mixed numbers contain a whole number and a fraction.





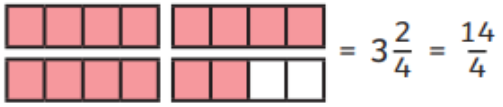
Equivalent Fractions





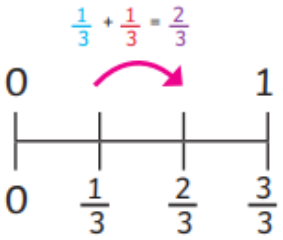
Improper Fractions

An improper fraction has a numerator which is greater than or equal to the denominator. $\frac{5}{3}$

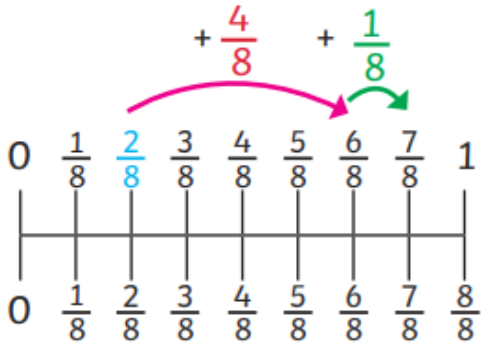


led when the denominators are the same.

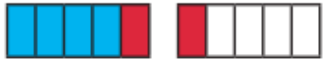
$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

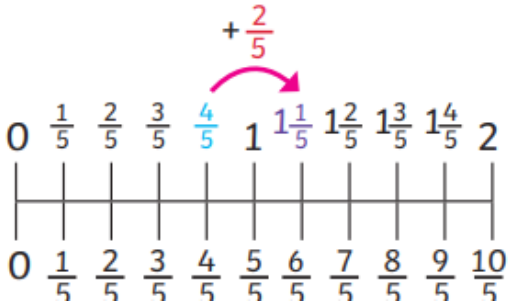


$\frac{2}{8} + \frac{4}{8} + \frac{1}{8} = \frac{7}{8}$



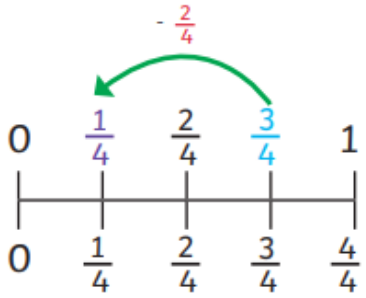
$\frac{4}{5} + \frac{2}{5} = \frac{6}{5}$ or $1\frac{1}{5}$



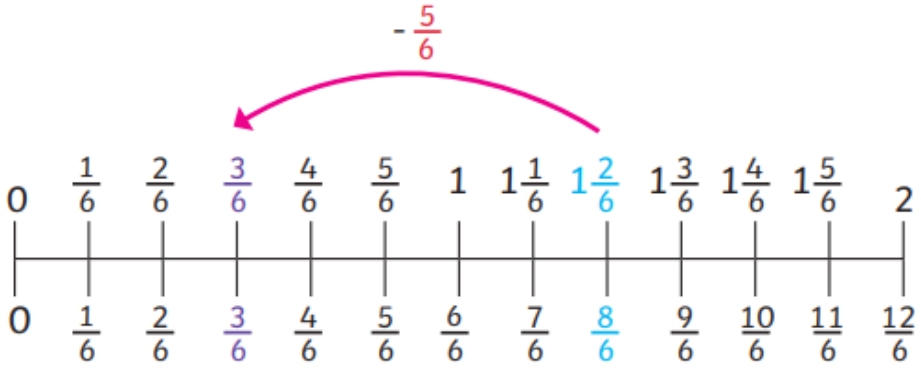


Fractions can be subtracted when the denominators are the same.

$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$



$1\frac{2}{6} - \frac{5}{6} = \frac{3}{6}$

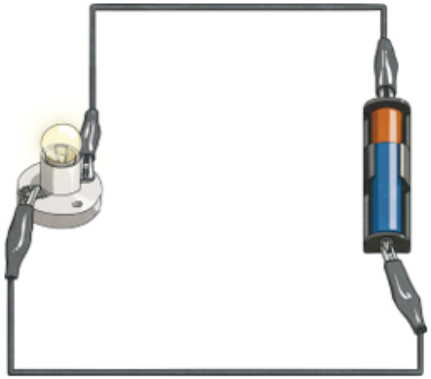


Electricity — Year 4

Key Vocabulary	
electricity	**Electricity** is a type of energy that can flow through certain materials, e.g. from a power source through wires to an appliance.
circuit	A **circuit** is a complete route that **electricity** can flow around.
cell	A **cell** is a component that converts stored chemical energy to electrical energy.
battery	A **battery** is a device that stores electrical energy as chemical energy. Two or more **cells** joined together form a **battery**.

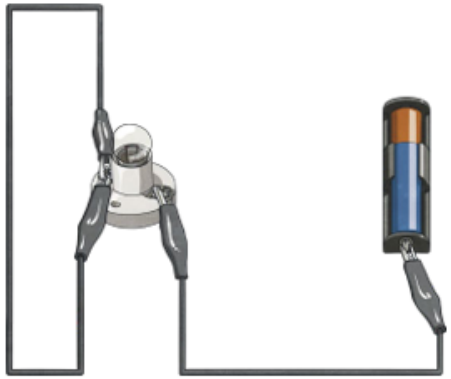
Complete Circuit

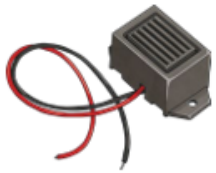
Complete **circuits** will work because the components are all connected as part of a continuous loop.



Incomplete Circuit

An incomplete **circuit** will not work because it will either be missing components or connected in such a way that it does not form a continuous loop.



Cell	Bulb	Wires	Buzzer	Motor	Switch
					
A **cell** is a component that converts stored chemical energy to electrical energy.	A bulb is an electrical component that produces light.	Wires are a component that connect other components together to create a **circuit**.	A buzzer is an electrical component that produces sound.	A motor is an electrical component that produces movement.	A switch is a component that controls the flow of **electricity** in a **circuit**.

Electricity

Year 4

Key Vocabulary

appliance	An **appliance** is a piece of equipment or device designed to perform a particular job.
electrical conductor	An **electrical conductor** is a material that allows **electricity** to flow through it.
electrical insulator	An **electrical insulator** is a material that does not allow **electricity** to flow through it.
mains electricity	**Mains electricity** is **electricity** supplied to buildings through a network of power lines.

Electrical Appliances

Battery-Powered Appliances

These appliances require the use of **batteries** as an electrical power supply.

Mains-Powered Appliances

These appliances require the use of **mains electricit** y as an electrical power supply.

Non-Electrical Appliances

These appliances do not require the use of **electricity**.

Electricity Conductors

water

graphite

metal

Electrical Insulators

plastic

rubber

wood

Electrical Safety

Exposed electrical wires can cause electric shocks or result in fires.

Keep electrical appliances and components away from water.

Home Learning and Useful Links:

Homework

Your child's homework will be on Atom Learning. Please make sure they are logging on to complete this. They will have 3 pieces to complete – reading, SPAG and maths.

https://app.atomlearning.com/school/

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 3 and 4. 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.

Times tables

Each week, your child will receive a sheet of times tables to help prepare them for the Y4 Multiplication Check.

Please encourage your child to practise these times tables ready for a small test every Monday.

Your child should be to completing at least 5 minutes of times table practice daily.

Please use the website below

Times Table Multiplication Check Website:

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

Reading:

At the end of each week, your child will also come home with a reading book.

Please encourage your child to read this book regularly and listen to them read when you can.

Within their reading diary, we ask that you please make a comment on how your child has read, whether they are enjoying their book or even any questions you may have asked them and discussed about their story.

Both the reading book and reading diary need to be returned to school by Wednesday.

Reading:

Oxford Owl for School and Home

Reading and comprehension - English - Learning with BBC Bitesize - BBC Bitesize Books for Year 4 children aged 8-9 | School Reading List

Phonics:

Letters and Sounds, English Games for 5-7 Years - Topmarks

PhonicsPlay

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

Writing:

Year 4 English - BBC Bitesize

Writing in Year 4 (age 8–9) - Oxford Owl for Home

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

Maths:

Year 4 Maths Curriculum Toolkit | 8 & 9 Year Olds | Home Learning (thirdspacelearning.com)

Key Stage 2 Maths - Topmarks Search https://www.timestables.co.uk/multiplication-tables-check/

Science:

What are the states of matter? - BBC Bitesize

Home | WowScience - Science games and activities for kids

History:

Vikings - KS2 History - BBC Bitesize

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