

# YEAR 5 TERM 1

Are all deserts hot?



## MATHS

### Place Value

- Roman numerals to 1,000
- Read and write numbers to 10,000, 100,000 and 1,000,000
- Powers of 10
- 10/100/1,000/10,000/100,000 more or less
- Partition numbers to 1,000,000
- Compare and order numbers to 100,000 and 1,000,000
- Round to the nearest 10, 100 or 1,000 and within 100,000 and 1,000,000

### Addition & Subtraction

- Mental strategies
- Add and subtract whole numbers with more than 4-digits
- Round to check answers
- Inverse operations (addition & subtraction)
- Multi-step addition and subtraction problems
- Compare calculations
- Find missing numbers

### Multiplication & Division

- Multiples and common multiples
- Factors and common factors
- Prime, square and cube numbers

## WE ARE READING...

Holes by Louis Sachar

The Wild World Handbook by Andrea Debbink



## ENGLISH

Writing across different genres inspired by our reading spine books and our learning across the curriculum

**Poetry:** I am the Seed that Grew the Tree by Fiona Waters



## KEY DATES

**1<sup>st</sup> -2<sup>nd</sup> September:** Staff development days – no children in school

**Thursday 3<sup>rd</sup> September:** Term 1 starts

**Monday 7<sup>th</sup> September:** 3.15 Parent talk for Year 4

**Tuesday 6<sup>th</sup> October:** PESE meeting for parents

**Tues 13<sup>th</sup> and Wed 14<sup>th</sup> October 3.00 - 6.00pm:** Parents' evening

**Thursday 15<sup>th</sup> October:** Our World at Wincheap

**Friday 16<sup>th</sup> October:** Harvest Festival

**Friday 23<sup>rd</sup> October:** Last day of term

## SCIENCE

### Forces:

- Friction
- Air resistance
- Plan – parachute experiment
- Investigate – parachute experiment
- Evaluate – parachute experiment
- Plan – water resistance
- Investigate – water resistance
- Explore gravity
- Use small forces for greater effects



## ENRICHMENT

Fieldwork: Practising map skills in the local area

Bikeability (Week commencing 14<sup>th</sup> September)



## GEOGRAPHY

- What are North America's key human and physical features?
- What are 7 main biomes?
- Which biomes can we find in North America?
- Can we practise our map skills looking at North America?
- What is a hot desert biome?
- What other kinds of desert are there?
- Would you like to live in the desert?
- What are the 5 climate zones?
- What are vegetation belts?
- Can we use maps at more than one scale and the scale bar to estimate distances?
- What is a time zone?



# YEAR 5 TERM 1

Are all deserts hot?

## MUSIC

**Charanga: Livin' On a Prayer**  
All the learning is focused around one main song: Livin' On A Prayer and some other classic rock songs.

Pupils will:

- Listen to & Appraise the song(s)
- Explore rhythm, pitch and pulse
- Learn to sing songs
- Play instruments
- Improvise & compose
- Perform



## P.E

- Games/Dances linked to class country
- Invasion game: Tag Rugby



## D.T

### Mechanical Systems: Gears and Pulleys

Create a working gear system and explain its function.  
Improve a working gear system and suggest some applications.  
Create a working pulley system and explain its function.  
Conduct market research to discover useful tasks an eco-gadget bike could perform.  
Design and evaluate an eco-gadget bike using design criteria.



## ART

Artist focus: Frida Kahlo – Portrait painting, paper flowers, mini pinatos.  
Charcoal, wax resist, paper craft portraits of Abraham Lincoln. 3D clay and cardboard cacti, water colours and black paper desert diorama  
Map work: Creating a large collaborative map featuring North American animals; pastels and old maps to create 3D paper owls.  
Mixed media 2D and 3D Native American inspired masks.



## SPANISH

N & S.America – Maps (Link to Geography)  
Where you are from?  
Countries & Nationalities



## COMPUTING

### Coding

Review Year 4 Coding  
The importance of simplifying code, how tags, functions and different variable types can be used within a program.



## R.E

**Why do people have to stand up for what they believe in?**

What does freedom look like?  
Recognise the importance of religious freedom by interpreting news reports.  
How have beliefs been challenged in the past? Consider the challenges some religious figures faced by looking at Jewish, Christian and Sikh stories.  
How can light represent standing up for what you believe in? Explain why Bandi Chhor Divas is celebrated by many Sikhs.



## P.S.H.E

Planning the year ahead  
Being a citizen  
Rights and responsibilities  
Rewards and consequences  
How behaviour affects groups  
Democracy, having a voice participating

