



# Half Termly Overview

Year 4 Summer 1 2018

Dear Parents/Carers,

This term we have some exciting activities about Sound & Light.

## Why are sound and light important to our survival?

### Science

We will identify how sounds are made, associating some of them with objects vibrating. We will recognise that vibrations from sounds travel through solids, liquids and gases to the ear. We will learn how to change the pitch and volume of sounds and the features of the objects that produce it. We will recognise that sounds get fainter as the distance from the sound source increases and investigate how to muffle sounds.

We will recognise that you need light in order to see things and that dark is the absence of light. We will investigate light reflecting from surfaces. We will recognise that light from the sun can be dangerous. We will recognise that shadows are formed when a light source is blocked by a solid object. We will also investigate how shadows change.

What is the relationship between distance and sound?

What are the different sources of light?

What is a reflection?

Can shadows change length?

How is sound made?

### Art / D&T

Cooking hot food, using preparation skills and discussing safety. Also, looking at a balanced meal and healthy ingredients.

Can I cook up something tasty?

### English & Maths

We will measure distances and record information during a sound investigation and a shadow experiment. We will write a non-fiction text including our scientific knowledge of sound and light. We will also write an adventure/mystery narrative about the absence of sound and light or a science fiction dream.

### Music

- To play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.

### PE

- To be able to run over a long distance.
- To be able to throw in different ways.
- To be able to move and find space when they are not in possession during a game.
- To understand why we have to warm up and cool down.
- To be able to vary tactics and adapt skills according to what is happening during a game.

### Computing

- To explore a virtual map and compare different viewing options on it (satellite photos, 3D mode etc.).
- To understand how to stay safe when playing computer games.
- To identify uses of technology beyond school and discuss reasons why they are helpful.

### Languages

- To begin to construct simple sentences using first person verbs.

### English

#### Speaking and Listening

- To speak audibly and fluently with an increasing demand of Standard English.
- Listen intently and discuss findings.

#### Reading & Comprehension

- I can put together clues from action, dialogue and description to infer meaning.
- I can recognise the use and effect of patterned language in text.
- I can make connections between books by the same author.

#### Spelling

- Words ending in the same spelling pattern, for example, sion.
- 'Ough' sound in words.

#### Handwriting

- I can use increasing speed and fluency.

#### Composition

- I can use more complex sentence structures.
- I can use interesting vocabulary choices.

#### Vocabulary, Grammar and Punctuation

- Clause
- Present perfect tense, past tense
- Noun phrases

### Whole Class Read

'Toro, Toro' by Michael Morpurgo. This allows us to read more than one book by the same author.

### Maths

#### Decimals:

- I can compare numbers with the same number of decimal places up to two decimal places.
- I can round decimals with one decimal place to the nearest whole number.
- I can recognise and write decimal equivalents.
- I can find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

#### Money:

- I can estimate, compare and calculate different measures, including money in pounds and pence.
- I can solve simple measure and money problems involving fractions and decimals to two decimal places.

#### Time:

- I can read, write and convert time between analogue and digital 12 and 24-hour clocks.
- I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.

### RE

- This half term children will be studying Buddhism and looking into answering the key question 'What is the best way for a Buddhist to lead a good life?'
- We will be learning how Buddha's teachings make a difference to how Buddhists choose to live.

### PSHCE

To understand the role money plays in their own and others' lives, including how to manage their money. To extend their knowledge and understanding of enterprise. To understand how rules and laws are made to protect them and others. To understand there are basic human rights and children have their own special rights.

### SMSC

### British Values

## How you can help at home

### Reading

Please read as much as possible with your child. Just 10 minutes a day can make a huge difference. Read anything that interests your child - please don't just read their reading book. **Reading books** will be changed when necessary.

Children in Y1 and 2 can change their **Library** book on a **Wednesday** dinner time. Please make sure they bring it into school.

### Spellings

There is a test each Friday and new spellings to be learnt are also given out on a Friday. Examples of tricky words and spelling patterns are available in the personal organiser.

### Handwriting

Practising handwriting using the school's policy helps children develop fluent, accurate and neat handwriting. Please see the website for more information.

### Maths

Mathletics tasks are set online each week to consolidate and extend learning. Your child can also practice their mental calculations against children around the world! Login details are in personal organisers.

### Learning Log Activities

A range of activities are set each half term related to the learning taking place in the classroom. The tasks are set as consolidation and enrichment activities. Learning Logs are handed out at the beginning of each half term.

### Number Facts

This term we are working on:

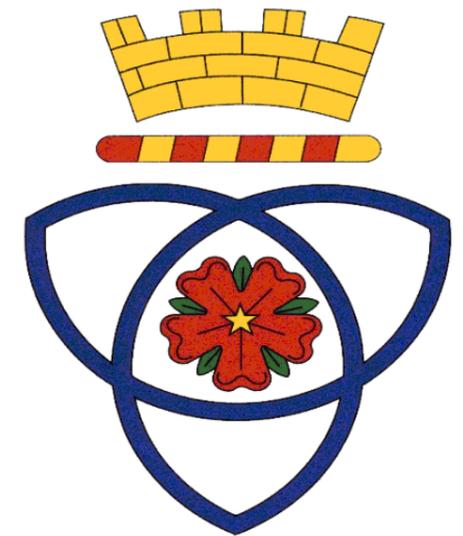
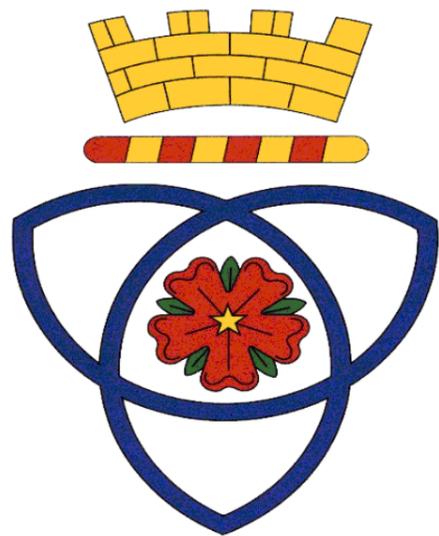
1 x 12 = 12	6 x 12 = 72
2 x 12 = 24	7 x 12 = 84
3 x 12 = 36	8 x 12 = 96
4 x 12 = 48	9 x 12 = 108
5 x 12 = 60	10 x 12 = 120

*Please practise these at home as much as possible.*

### Travelling Bears

Going away somewhere special? Pick up one of the seven travelling bears and take it on holiday. Share with us where you've been and help improve the geographical knowledge of children at the school.

Children choose a minimum of 5 activities to complete over the term. The learning log is to be returned to school on the final week of the term. However, teachers may ask children to bring them in at regular intervals to check progress children are making.



## Reminders

### Absence

Please contact the school as soon as possible to report an absence of any reason.

### School Uniform

Please ensure your child wears the correct uniform every day. Children must wear 'plain black' shoes or trainers with no other colours on them.

### PE Kit

PE kit consists of a plain white T-Shirt (with or without the school logo); Navy/Black Shorts; Dark coloured tracksuit (outdoor); Suitable footwear – pumps (indoor) /trainers (outdoor). PE kits should be stored in an appropriate bag (Such as a drawstring bag) that can be hung up in the cloakroom area. PE kit must be available every day because the day(s) your child has PE may change each week. Please keep PE kit in school and only wash at the end of each half term.

### Dinners

Now cost £2.10 per day for KS2 pupils or £10.50 per week.

### Online Payments

Payments for dinners, trips and other activities can be made online using the School Gateway. If you have any problems, please contact the office.

### Water Bottles

School water bottles are available for £1 from the school office. No other water bottle is allowed.

### Equipment

All equipment is provided by school. Please don't send pens, pencils, pencil cases...etc.

### Extra-Curricular Clubs

All after school clubs finish at 4pm. Please let us know if your child doesn't want to continue as we usually have long waiting lists.

### Emails

Remember to check your emails, we like to send plenty!