

Travel - Bitterns Summer Term

Our topic this term is cross curricular, the children and I have worked together to collect some questions we will answer through the course of our work - there are links with science, geography and History.

Key Questions

- Could you grow a plant in space?
- Can you change a material? How?
- What can you see from space?
- Why do we have day, night and the seasons?
- How can we measure time without a clock?
- How does an animal decide where to live?
- Why is the weather different around the world?
- Why do we remember some people from the past?
- Which traveller most inspires you? Why?

In **R.E** we will be finding out about Jesus as a teacher - Listening to stories that he told and what we can learn from these. **Music** - we will explore 'space sounds' and create our own space compositions.

Art - exploring and recreating abstract art in the style of Peter Thorpe.

Links to the curriculum

Seasonal changes

Weather patterns

Hot and cold areas of the world

Naming key physical features

Habitats

What plants need

Changing materials

Describe historical events

Describe significant people from the past

Recognise there are reasons people acted as they did

At home . . .

Please aim to read at least 3 times a week and record this in the home school book.

Maths homework is set weekly either online or sent home in a yellow folder on Thursdays.

Weblinks - www.ictgames.co.uk

<https://www.topmarks.co.uk/maths-games/hit-the-button>

www.activelearnprimary.co.uk

<http://www.peterthorpe.net/rockets.html>

<http://www.underpantsbooks.com/>

For **maths** objectives please see the back of this sheet.

English will continue with a focus on developing reading and writing skills. Texts we are working with will include:

Man on the Moon by Simon Bartram, Aliens love underpants by Clare Freedman and Ben Cort

Various information books based on space travel and the solar system **If you would like more information of specific objectives covered, please let me know.**

In **phonics** and **SPAG** we will work on all areas covered in the phonics check in Year 1 (taken in June) and for Year 2 the SPAG SAT (taken in May)

Year 1 maths objectives	Year 2 maths objectives
Find 1 more, 1 less, 10 more, 10 less than any 2-digit number; explore patterns on the 100-square; understand place value in 2-digit numbers and identify 10s and 1s	Locate, order and compare 2-digit numbers on 0-100 landmarked lines and on the 1-100 square; use < and > signs; locate numbers on an empty 0-100 line; introduce numbers 101 to 200 and count in 100s to 1000; add 2-digit numbers by counting on in 10s and 1s; subtract 2-digit numbers by counting back in 10s and 1s
Use number facts to add and subtract 1-digit numbers to/from 2-digit numbers; add pairs of 1-digit numbers with totals above 10; sort out additions into those you 'just know' and those you need to work out	Use doubles and number bonds to add three 1-digit numbers; use number facts to 10 and 20 in number stories; find complements to multiples of 10; understand subtraction as difference and find this by counting up; find small differences either side of a multiple of 10
Add three small numbers, spotting pairs to 10 and doubles; add and subtract 10 to and from 2-digit numbers	Add and subtract 1-digit numbers to and from 2-digit numbers; subtract 2-digit numbers by counting back in tens and ones; add two 2-digit numbers by counting in 10s, then adding 1s; add 2-digit numbers using 10p and 1p coins (partitioning, answers less than 100); add 2-digit numbers using place-value cards (partitioning, answers more than 100)
Compare weights and capacities using direct comparison; measure weight and capacity using uniform non-standard units; complete tables and block graphs, recording results and information; make and use a measuring vessel for capacity	Measure weight using standard or uniform non-standard units; draw a block graph where one square represents two units; weigh items using 100g weights using scales marked in multiples of 1kg or 100g; measure capacity using uniform non-standard units; measure capacity in litres and in multiples of 100ml
Find half of all numbers to 10 and then to 20; identify even numbers and begin to learn halves; recognise halves and quarters of shapes and begin to know $2/2=1$, $4/4=1$ and $2/4=1/2$; recognise, name and know value of coins 1p-£2 and £5 and £10 notes; solve repeated addition problems using coins; make equivalent amounts using coins	Double multiples of 10 and 5 (answers less than 100); double 2-digit numbers ending in 1, 2, 3 or 4 (answers less than 100); find a quarter of numbers up to 40 by halving twice; begin to find $3/4$ of numbers; find $1/2$, $1/4$ and $1/3$ of amounts (sharing); spot patterns and make predictions when finding a third of numbers
Locate 2-digit numbers on a beaded line and 100-square; compare and order 2-digit numbers up to 100 and say a number between two numbers; identify 10s and 1s in 2-digit numbers and solve place-value additions	Count back in 10s and 1s to solve subtraction (not crossing 10s) and check subtraction using addition, beginning to understand that addition undoes subtraction and vice versa; add three or more small numbers using number facts; record amounts of money using £·p notation including amounts with no 10s or 1s; find more than one way to solve a money problem
Recognise odd and even numbers; count in 2s, 5s and 10s, look for patterns; multiply by 2, 5, 10 by counting in groups/sets; find doubles to double 10 and related halves; halve odd numbers up to 10	Count in 3s, recognising numbers in the 3 times-table; write multiplications to go with arrays and use arrays to solve multiplication problems; understand that multiplication is commutative and that division and multiplication are inverse operations; solve divisions as multiplications with a missing number; count in 2s, 3s, 5s and 10s to solve divisions and solve division problems in contexts
Tell the time to the half hour and quarter hour on analogue clocks and begin to read these times on digital clocks; revise months of the year; read, interpret and create a pictogram; begin to recognise and read block graphs; measure lengths using non-standard, uniform units; recognise and name simple 2D shapes and continue repeating patterns	Measure and estimate lengths in centimetres; tell the time involving multiples of 5 minutes past the hour and 5 minutes to the hour; tell time to 5 minutes; begin to say the time 10 minutes later
Use number facts to add and subtract 1-digit numbers to and from 2-digit numbers; find change from 10p and from 20p	Partition to add two 2-digit numbers; find the difference between two 2-digit numbers; multiply two numbers using counting in steps of 2, 3, 5 and 10; solve division problems by counting in steps of 2, 3, 5 and 10
Locate 2-digit numbers on a bead string and a 1-100 square; order numbers to 100; identify 10s and 1s in 2-digit numbers; say or write 1 more and 1 less and 10 more and 10 less than any number to 100; explore patterns in 10s, 5s and 2s on a 9×9 grid; count in tens from any given number	Compare two 2-digit numbers and find bonds to 100 using thermometers; revise place value in 2-digit numbers, numbers between 100 and 200, and 3-digit numbers (including zeros in the 10s and 1s places)