Believe   Grow   Achieve

Beast Creator

THIS TERM'S LEARNING THEME:

BEAST CREATOR

SUBJECT FOCUS: SCIENCE

A bug, a creepy-crawly, a beast! He'll tickle your skin then go in for the sting!

Arachnids, invertebrates, molluscs and myriapods, hiding in nooks and beneath darkened rocks… Come search for these minibeasts, and let's sort them out! How many legs? How many wings? Who does it eat and who eats it? Can you classify it? Can you draw it or make it?

Create a web publication to build a wonderful wormery - then watch them wriggle and burrow, mixing earth as they go!

Discover where in the world you'll find the deadliest beasts - scorpions, ants and venomous spiders… perhaps the Vespa mandarinia japonica is the one you fear?

Why not become a 'Beast Creator'? Selectively breed a killer predator that saves the world from the super-strong aphid. You'll be a hero!

But I know an old lady who swallowed a fly. I don't know why she swallowed a fly… perhaps she'll die?

Dear Parents,

Hello! Happy New Year to you all. I hope that you had a splendid Christmas celebration and the children's learning batteries are recharged.

We thoroughly enjoyed the fantastic topic of Stargazers. We travelled through the Solar System, created mnemonics for the planet orders, blasted our rockets off, created printing templates to show our knowledge of the phases of the moon and recreated the moon phases using Oreo biscuits!

This term will see the creation of many beasts, I expect we will get mucky and up close and personal with a range of minibeasts lurking in the school grounds and at home.

Excitingly, the children will spend their Monday mornings in Forest School being led by Mrs Grange and Miss Herdman. This will conclude after Easter and all children will take part in 6 sessions + 1 celebration whole class session. Full outdoor waterproof/warm clothing that you don't mind getting dirty to be sent in with your child every Monday. Group letters will be issued. Curriculum teaching will continue for the others in the normal way.

Please continue to pass on any messages through learning logs or, alternatively, using the school email address: **admin3308@we-learn.com**
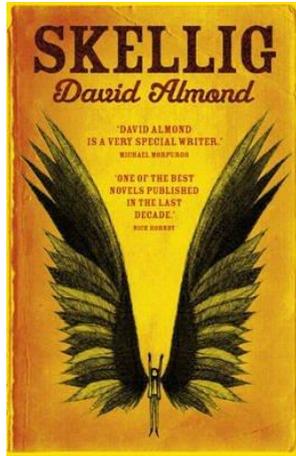
Kind Regards, Mrs Barritt ☺

PE is on a Monday & Tuesday every week. Warm outdoor PE kit essential.

Wellies will need to be provided for break and lunch time activities, to be kept in school.

Forest School Group 1: **14/1, 21/1, 28/1, 4/2, 11/2,26/2, 8/4**
Forest School Group 2: **26/2, 4/3, 11/3, 19/3, 26/3, 2/4, 8/4**

KEY LINKED TEXT: Skellig by David Almond

ENGLISH:
-Balanced Argument
-Narrative
-Non-Chronological Report

ART/DT: Arts Award 'Toymaker' Project with Compton Verney & Kineton STEM/MOD
SCIENCE: Changing state & classifying living things
COMPUTING: Online Safety + Micro:bit Project with Digital School House and KHS.
MUSIC: Stop!
PE: Tag rugby, dodgeball & dance
PSHE: Taking Care Project
RE: What matters most to Christians and Humanists?

HOW CAN PARENTS HELP?
Please ensure that your child is **reading** daily, either independently or to you and recording this in their learning journals.

Please also ensure that your child is practising their **multiplication tables** and **division facts** to 12x12, completing **reading comprehension** questions when they have finished their school reading book, practising the **RWI spelling** rule and completing their **Mathletics & Spelling Shed** homework.
If anyone can spare a few hours a week to hear the children read that would be marvellous. No experience necessary, just a willing ear. Please let me know via the learning journals or email the office.

Year 5 Mathematics Curriculum

Key areas of focus for this half-term are underlined.

Number and Place Value
- Recognise and use the place value of digits in numbers up to 1 million (1,000,000)
- Use negative numbers, including in contexts such as temperature
- Round any number to the nearest 10, 100, 1,000, 10,000 or 100,000 up to 1,000,000
- Read Roman numerals, including years

Calculations
- Carry out addition and subtraction with numbers larger than four digits
- Use rounding to estimate calculations and check answers are of a reasonable size
- <u>Find factors of multiples of numbers, including finding common factors of two numbers</u>
- <u>Know the prime numbers up to 19 by heart, and find primes up to 100</u>
- <u>Use the standard methods of long multiplication and short division</u>
- <u>Multiply and divide numbers mentally by 10, 100 or 1,000</u>
- <u>Recognise and use square numbers and cube numbers</u>

Fractions and Decimals
- Put fractions with the same denominator into size order, for example recognising that 3 5 is larger than 2 5
- Find equivalents of common fractions
- Convert between improper fractions and mixed numbers, for example recognising that 5 4 is equal to 1 1 4
- Add and subtract simple fractions with related denominators, for example 2 3 + 1 6 = 5 6
- Convert decimals to fractions, for example converting 0.71 to 71 100
- Round decimals to the nearest tenth
- Put decimals with up to three decimal places into size order Begin to use the % symbol to relate to the 'number of parts per hundred'

Measurements
- Convert between metric units, such as centimetres to metres or grams to kilograms
- Use common approximate equivalences for imperial measures, such as 2.5cm ≈ 1 inch
- <u>Calculate the area of rectangles using square centimetres or square metres</u>
- <u>Calculate the area of shapes made up of rectangles</u>
- Estimate volume (in cm3) and capacity (in ml)

Shape and Position
- Estimate and compare angles, and measure them to the nearest degree
- Know that angles on a straight line add up to 180°, and angles around a point add up to 360°
- Use reflection and translation to change the position of a shape

Graphs and Data
- <u>Read and understand information presented in tables, including timetables</u>
- <u>Solve problems by finding information from a line graph</u>