



# Swansfield Express

Our learning this half term

## Coasts and Local Issues

- What route does the River Aln take?
- What is found at the coast?
- How might Alnwick look in 50 years?

Calling all geographers out there! Let's begin this new year by exploring coasts and issues local to us. The River Aln and the course it takes will be the first part of our exciting investigation. We will then explore what we can find at the coast and the processes which lead to changes in our coastlines, as well as exploring the cause and effect of other changes, both on a local and global scale.

Get those warm clothes ready as we'll be heading out on an adventure to the coast towards the end of this half term to see real life examples of our what we've been learning about in the classroom!

## Becoming a Scientist

- How many different forces can you name?
- What was Isaac Newton's greatest discovery?
- Are all forces useful?

It's time to get investigating kids... Roll those sleeves up and let's get started! We will be designing and creating boats to investigate water resistance as well as making parachutes to investigate air resistance.

Who thinks that they can design and make a new brake pad for their scooter or bike? Let's find out.

## Linking Our Learning

Let's think back to the work that you did on coasts during LKS2.

- What features can you find at the coast?
- What is the effect of the wind and the sea on our coastlines?

## Amazing Artists

- How does clothing help us to express ourselves?
- How can we use colour to express ourselves?

We are going to explore the artistic world of self-expression, discovering how artists like Kandinsky, Picasso and Munch use different techniques to convey emotions and ideas in their work.

## Web Wizards



Computing Systems and Networks - Systems and Searching.

Lets become World Wide Web Wizards by exploring computer systems and finding out how information is transferred. We will discover how information is found on the World Wide Web through our work on search engines (including how they select and rank results) and also what influences searching.

[Click here to visit some great 'Place Value' games online](#)

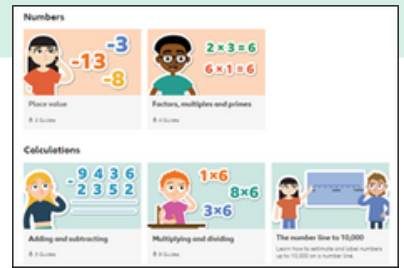
# Magnificent Maths

## Year 5 Place Value

For those of you in Year 5, we will be exploring numbers to 1,000,000 by comparing, ordering, partitioning and rounding. We will also be taking a closer look at Roman Numerals.

## Year 6 Place Value

For those of you in Year 6, we will be exploring numbers to 10,000,000. We will also need to compare, order and round them to ensure that we are confident enough to then calculate with such large numbers!



## Negative Numbers

We will be exploring negative numbers including counting through zero in ones and multiples, before comparing, ordering and finding the difference with negative numbers.

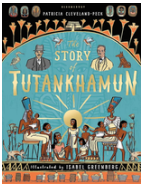
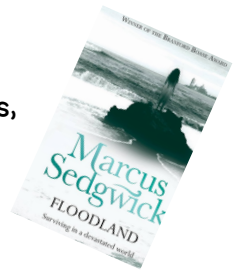
## Addition, Subtraction, Multiplication and Division

It's time to get those thinking caps on and remember all of the different written methods used to calculate. Your times table knowledge is also going to be so important this year, so make sure you spend plenty of time on TTRS!

# Exciting English

## Floodland by Marcus Sedgwick

While we are exploring this fantasy fiction novel we will be building our retrieval skills, inference and also working on writing a range of genres including diary writing, informal letters, adventure stories and balanced arguments.



## The Story of Tutankhamun by Patricia Cleveland-Peck

In this unit we will begin by exploring the history of Tutankhamun, comparing our childhood to his before moving on to research and write a biography about the famous archaeologist Howard Carter.

# Keeping Fit and Active

Rowan and Larch will be heading to the swimming pool on a Tuesday to work on their water competency skills, while Sycamore will be playing rounders. We will all have NUF coaching sessions on a Friday, developing our hockey skills.

## Music

Charanga: Music and Technology

How does music bring us together?

## RE

Creation and Science: conflicting or complementing?

## PHRSE

Jigsaw: Being me in my world

Identifying my goals for this year whilst understanding my fears and worries about the future.

## MFL

All about ourselves

*click here*

