

Year 5 Term 3

# Stargazers



A journey through space to investigate the planets and an in-depth look at the moon. Programme a 'rover' and work scientifically to investigate gravity. Then it's three, two, one... BLAST OFF! Build and launch a rocket for an important test mission.

## Key Areas of Learning

As **Scientists** we will be looking at the forces of gravity and what happens when there is none!

As **Engineers** we will be guiding a 'rover' to traverse a lunar landscape.

As **Mathematicians** we will be solving problems related to space.

As **Writers** we will be following the journey of Liam on a trip he thought he would never take.

## English

### Reading

Our class story is 'Cosmic' by Frank Cottrell-Boyce. It is a story which follows a journey of a very, very TALL ordinary twelve-year-old boy, who just happens to end up in space.

### Writing

We will be focusing on persuasive writing which will be based on our class book 'Cosmic'.

### Spelling and Grammar

Within all our literacy work we will be teaching spelling, punctuation and grammar. This will also be taught as an independent activity throughout the year with a big focus on spelling. Children will get spellings weekly to learn at home.

## Mathematics

### Number

We will be looking prime numbers and square roots. Then some work on triangles and finally converting and measuring different units of measurements.

Also, we will look at perimeter and area. Especially within a compound shape.

Finally we will go into multiplication and division by 1 and 2 digit numbers.

Every day the children will be practicing their times tables as it is key that they know up to 12 x 12 mentally. It is also good practice to do the division e.g.  $72 \div 6 =$

## Computing

Children will use beebots to programme a set of directions. These may not work first time, so they will also look at decoding and re-programming.

## D&T and Art

Children will research into existing products to inform the design of their own innovative product. They will build 3D prototypes by following a step by step plan. This will be tested for strength and durability. Once changes have been made, they will then create their final prototype ready for LAUNCH day!

## British Values

This term we will focus on honesty and respect. What honesty and respect means and how we can show it to each other.

## Physical Education

### Space themed activities and Netball

Within netball, children will be continuing to develop their skills. These will include throwing/catching, team work and the game of netball.

We will be participating in Space themed activities..

Children should have their PE kit in school every day .Please make sure all PE kit is labelled.

## French

Children will be learning all about verbs and adverbs. We will use these to describe our daily routine.

## SMSC

### Spiritual, moral, social and cultural awareness

Our focus this term will be looking at proverbs and what we can learn from them.

## Religious Education

The children will look explore the community within the Mosque.

## PSHE

### Personal, social and health education

The children will be looking at goals and what drives them. This will include looking at philanthropists and what they strived to achieve.

## Enrichment Wow Day

### Launch day!

Children will have the opportunity to build and launch their own rockets. We would like to invite you in to watch our launches on:

**Wednesday 12th  
February at 2pm!**