

# A COSMIC JOURNEY

YEAR 6

SPRING 1 2020/21

## PROJECT OVERVIEW

We kick off our 'Cosmic Journey' with a visit to Winchester Science Centre where we visit the awe-inspiring planetarium and take part in a science workshop. This experience supports our work in Science this term. The children are given a challenge: to research the night sky and its constellations, then use this information to put together an original presentation to include commentary, and self-composed music. It is recorded in a 'studio' and presented to the year 6 teachers to be judged in a friendly competition. Our class read 'Cosmic' by Frank Cottrell Boyce, is the stimulus for a variety of reading and writing tasks in English. We will also be spending time developing Spelling, Punctuation and Grammar knowledge and skills in preparation for the forthcoming SATS. In Design and Technology the children in pairs create a Space themed fairground ride, using ICT to allow the ride to spin using the programme Crumble.

## ENGLISH

Using the text 'Cosmic' by Frank Cottrell-Boyce for inspiration the children will write descriptions of space, and write persuasively for a space theme park leaflet. The children will debate using persuasive language. We will use the picture book 'Tuesday' a short story about toads as inspiration to write a version of the story from a character's perspective using dialogue and description. Children will experience a Let's Think lesson using The Whisperer, and write a moon poem after being inspired by 'Silver' by Walter De La Mare.

## MATHS

We will be revising our understanding of fractions, decimals and percentages, the equivalence of these, and learning how to find a % of a number. We will revise measures: equivalence, word problems and SATS style questions. We will further our understanding of angles; identifying, drawing measuring, estimating and comparing. Children will learn to find missing angles in a variety of ways; on a straight line, around a point and opposite angles. The children will be practising SATS style questions throughout.

## SCIENCE

We are learning about the Earth in space. Children will be introduced to the solar system and will make predictions, and check their predictions through research. Children will find out how the spin of the planets relates to the length of their day and the distance from the sun to the length of their year. They will consider how it is we are able to collect this information when people have not visited the planets. The size and relative emptiness of the solar system will be explored through models. Children will view the night sky and record what they see over the course of a month.

## RE

Children will explore reasons why Christians read the Gospel by asking in various scenarios: 'What would Jesus do?' They will listen to and discuss several parables and relate it to their own lives. Children will consider what Christians and other people do to build good foundations for living.

## GEOGRAPHY

No geography unit this half term

## HISTORY

No history unit this half term

## ART

Inspired by the poem 'Silver' by Walter De La Mare, the children use chalk on black paper to compose a silhouette moon-lit landscape.

To add more to this unit (at present not a unit of work)

## DT

The children will work in pairs to design and build a model of a **fairground ride** mostly constructed in wood. It should have a strong and stable framework. The seats will hang from a pivot point created from either corraflute, string, card or axel and drilled holes, and will rotate using a motor, controlled by a switch/linked to a computer (using a Crumble board).

## MUSIC

The children will listen to and appraise music inspired by the planets. Children will create a short piece of music using an ostinato pattern throughout; adding dynamic contrast. They will perform their finished piece to their peers. Children will also create a space soundscape using a variety of percussion instruments to accompany their video.

## FRENCH

In French this term children will complete a project of writing a description of a monster – they will learn the French for parts of the body, learn words to describe size, revise and learn colours, learn the words for describing its character. They will write a description of their monster, draw it then give the description to someone else to draw. They will compare the two drawings.

## COMPUTING

We start computing this term with a Scratch Space Journey Challenge. Through a series of challenges, the children will use everything they have learnt in Scratch during their time at primary school to code a rocket moving between different planets. They will have the opportunity to extend their project as they wish to include animations and sounds. The children will work independently, creating algorithms and debugging as they go. We will then begin to explore Google Earth. This will focus on the space aspects of Google Earth as well as exploring the Brecon Beacons before our residential to Wales.

## PE

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## PSHE

Year 6 learn how to deal with confidentiality and when to break a confidence; the children learn how to manage dares. The children learn about different types of relationships: positive and healthy relationships; maintaining relationships; recognising when a relationship is unhealthy (including forced marriage); committed; loving relationships; marriage; acceptable and unacceptable physical touch; personal boundaries and the right to privacy.