Year 5

Essential Knowledge

By the end of this unit children will:

*Understand the chronology of space travel

*Research Key figures in space history

*Locate space stations in America using maps, atlases and compass points

*Describe the movement of the Earth and other planets, relative to the Sun

*Describe the movement of the moon

*Understand the Earth's rotation and use this to explain day and night and the apparent movement of the Sun across the sky.

*Use computing to program, monitor and control a space buggy

Sensational Start

Stars, Planets and Technology

Extraordinary Extra

Visit to the 'Big Bang Fair' at the NEC

Fabulous Finish

Family learning afternoon of space activities

Core Subjects: Links to theme

To infinity and beyond —Theme Content—National Curriculum links

English

*Narrative Diary entry inspired by musical stimulus

A View from Space—reporting on how satellites are being used to map our world.

The Space Settler

*Biography of an Astronaut

Topic Maths Project

A mission to mars—complete missions from NASA such as calculating amount of rocket fuel needed for the journey or drawing a to scale flight plan.

Science

*Earth and space

*Describe the movement of the Earth, planets and Moon

*Describe Earth's rotation and how this creates night and day

Foundation Subjects

History

*History of Space travel—create a timeline

*The space race—USA and USSR

*Key figures and organisations in space travel history

Geography

*Research space stations and their locations in America

*Use ordinance survey maps

*Contrast localities—America and UK

*Use google maps/satellites

RE, PSHE, British Values

Hinduism

Creation and science—conflicting or complementary?

Going for Goals

Good to be me

Individual Liberty

Mutual Respect

Music

BBC Ten Pieces—Mars

Children will learn about the composer Gustav Holst and musical elements such as pulse, rhythm and tempo. They will use this piece as inspiration to then compose their own space inspired piece.

Art and Design

Children will study the artist Thom Easton and his multimedia techniques before creating their own work of art in this style.

Children will be learning stitch and textile techniques to create a collaborative work of art.

Design and Technology

Children will use computing to program, monitor and control their own space buggy design

French

Describing the planets—children will learn vocabulary to enable them to write sentences to describe the planets and their distances from the sun.

P.E.

Sports Education

Dance

Fitness

Computing

We are Coders