### Year 5  
**Spring Term 2020**

**Eureka!**

**Values: Perseverance**  
**Wisdom & Compassion**

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#### Art
As artists we will learn what the term 'abstract art' means and learn about the artist Peter Thorpe and create a space themed piece of art in his style.

#### DT
As design technologists we will use what we learn in science about forces to create a product. We will use the correct technical vocabulary and learn how to use mechanical systems such as cams, pulleys and gears to create a moving product.

#### Life Skills
To develop independence and happiness we will be celebrating World Happiness Day in March and planning or own investigations in science and geography.

#### Outdoor Learning
In order to enhance our learners' thirst for learning, we will be completing a geographical field study in the local area and be using the outdoor environment to learn about forces.

#### Mathematics
As mathematicians we
- Work with fractions which have the same and different denominators,
- Continue to learn and use formal written methods for multiplying and dividing larger numbers
- earn to scale numbers up or down and solve problems involving scaling and rates
- Learn to use thousandths, round numbers with 2 decimal places, order and compare decimal numbers and write decimal numbers as fractions.

#### Science
As scientists we will be
- Describing the movement of the Earth, other planets and the moon and explaining how day and night occur.
- Learning about the forces gravity, air resistance, friction and water resistance and how mechanisms (levers, gears and pullets) allow a small force to have a large effect.

#### Geography
As geographers we will be learning to use compasses accurately and digital maps of Sunningdale. We will also be engaging in practical fieldwork in the local area, including gathering information and presenting it clearly.

#### History
As historians we will be learning about the Aztec period of history. We will be planning and conducting our own historical enquiry about the Aztecs and commenting of the value of different historical sources.

#### English
As readers we will be focusing on the text ‘Cosmic’ by Frank Cottrell-Boyce. We will be reading this text as a whole class, in groups and individually, focusing on comprehension and inference skills, as well as making predictions and discussing author’s language. We will be using a variety of nonfiction texts to find out about the Aztec civilizations.  
As writers we will be writing persuasive texts about the pros and cons of space travel and selling fictional space hotels. We will be writing explanation texts focusing on our science learning. We will also be writing plays focused on Aztec civilizations.

#### Music
As musicians we will be exploring the genres of modern Pop and Hip-Hop. We will be listening and appraising songs from these genres, singing with control and playing musical instruments with greater control. We will also be using these musical skills to improvise.

#### Spanish
As Spanish speakers we will learn to speak about sports and the weather. We will be continuing to learn about Spanish grammar and including nouns.

#### Computing
As digital learners we will use the Ipads and other IT technologies to create videos (vlogging) about Space and we will also learn how to use Google effectively and safely to research a famous scientist.

#### RE
As theologians we will explore Christian beliefs about God and explore the idea of Jesus’ sacrifice for human beings in relation to the Christian Easter story.

#### Physical Health/Sport/PE
In order to promote physical health we will take part in competitive tennis games and practice throwing and catching. As dancers we will work towards a performance of a Space themed dance and compare our performances with previous ones and show improvements.

#### PSHE/P4C/Wellbeing & Mindfulness
To make sure our learners are thoughtful and mentally healthy we will be learning about keeping safe, healthy lifestyles and money.