

## English

Whole Class Text – *The Jamie Drake Equation* by Christopher Edge  
Extracts from *Hidden Figures* and *Where Once We Stood*

### **Main Writing outcomes**

Can I write a Space Poem?  
Can I write in role as an astronaut or scientist?

### **Main Reading Outcomes**

Can I demonstrate my understanding of what I read by making inferences, understanding how authors use language and explaining the meaning of unfamiliar words in context?

## French

How do I greet people in French?  
Do I know the French colours and numbers?  
Can I have simple conversations?

## History: The Space Race

Can I sequence the events of the Space Race between the United States and the Soviet Union?  
Can I use the term decade when studying the Space Race?  
Can I understand that primary and secondary sources when used together help us to understand people, ideas and events from the past?  
Can I use drama; produce information texts, dairies, stories and art to communicate my knowledge and understanding?

**Vocabulary: decade, period**

**Diversity** How have women been involved in Space exploration?

Who are Katherine Johnson, Dorothy Vaughan, Mary Jackson and what jobs did they have?

## Geography

Can I interpret aerial photographs taken from satellites and recognise human and physical features?

## Computing

### **Following the Y5 Purple Mash Coding Unit**

Can I test and debug my programs as I work? Can I convert (translate) algorithms that contain sequence, selection and repetition into code that works? Can I use sequence, selection, repetition, and some other coding structures in my code?

## PE

### **Tag Rugby and Hockey**

Can I throw and catch in isolation and combination?

Can I play competitive games using basic attacking and defending principles?

## Art & design / DT

### **Using pastels and watercolour to create Planet pieces of artwork.**

Can I control the types of marks made and experiment with different effects and textures?  
Can I explore the work of key artists and compare their styles and approaches?

## Maths

Following White Rose Maths Scheme for Maths Year 5. (place value, addition and subtraction, multiplication)

Using objectives from previous year groups to ensure any gaps are covered.

## RE

(Christianity & Buddhism)  
What can we learn about the world/knowledge/ meaning of life from the great philosophers?

## Music

Can I demonstrate correct Ukulele technique?  
Can I play chord progressions accurately and rhythmically?  
Can I play accompaniments with control and accuracy?  
Can I evaluate my own work and make improvements to my performance?  
Can I read and perform from guitar tab notation?

## PSHE

**Families and Friendships**  
Managing friendships and peer influence  
**Safe relationships**  
Physical Contact and Feeling Safe  
**Respecting Ourselves and Others**  
Respecting a wide range of people and recognising prejudice and discrimination (link to segregation and women scientists)

## Cringleford Primary School

Year 5 Autumn term 1

# Space Explorers in History

## WOW visitors and experiences

### **Launch:**

Stomp Rockets

### **Landing:**

Trip next half term (TBC)

## Main focus: Science

Can I describe the movement of the Earth, and other planets, relative to the Sun in the solar system?  
Can I describe the movement of the Moon relative to the Earth to explain how the Moon appears to change shape?  
Can I use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky?

**Vocabulary: Earth, Sun, Moon, Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune, spherical solar system, rotates, star, orbit, planets, axis, geocentric**