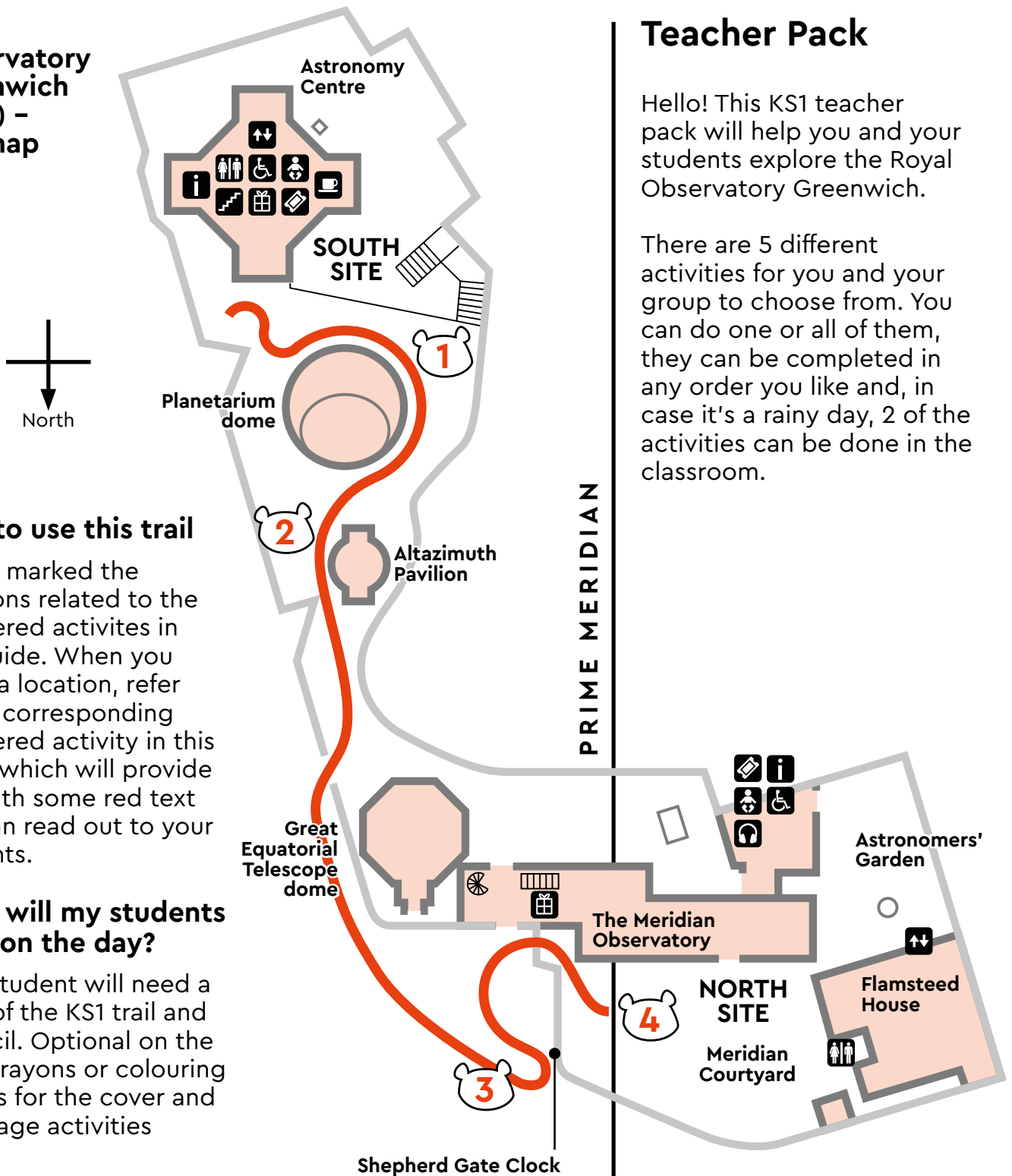


# KS1 School Trail

## Royal Observatory Greenwich (ROG) – site map



## How to use this trail

We've marked the locations related to the numbered activities in this guide. When you reach a location, refer to the corresponding numbered activity in this guide which will provide you with some red text you can read out to your students.

## What will my students need on the day?

Each student will need a copy of the KS1 trail and a pencil. Optional on the day: Crayons or colouring pencils for the cover and final page activities

## Teacher Pack

Hello! This KS1 teacher pack will help you and your students explore the Royal Observatory Greenwich.

There are 5 different activities for you and your group to choose from. You can do one or all of them, they can be completed in any order you like and, in case it's a rainy day, 2 of the activities can be done in the classroom.

# 1

## The Planetarium Cone

**Group leader**

**This is our Planetarium Cone. Underneath it is our planetarium! You might have met Ted in the planetarium.**

If you have not been to the planetarium yet, it is a special kind of cinema but the screen is on the ceiling. You can see what's in the night sky and even travel to other planets in the planetarium!



The Planetarium Cone has a special shape. The shortest side is completely vertical and the longest side helps you find the North Star.

**Group leader**

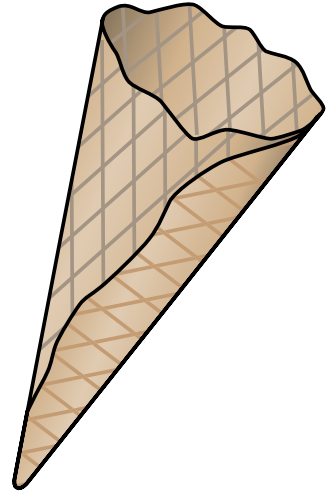
**Walk around the Planetarium Cone once and count how many steps you took. Does it look the same all the way around?**

Even though we call it the "Planetarium Cone", it doesn't have a pointy bit at the top. It's like someone has cut it off!

**Group leader**

**What shape is the top of the Planetarium Cone?**

You can tell your students to come up with the strangest flavours and toppings they can think of!



Ted loves eating ice cream! Draw what you think Ted's favourite flavour is on this cone. Is there anything on top?

**Ted's favourite ice cream flavour is Marmite!**

# 2

## Altazimuth Pavilion

At the top of the Altazimuth Pavilion you'll see a comet-shaped weather vane.

**Group leader**

**Ted likes to visit comets because they have long beautiful tails. Look at that pretty comet at the top of the building. Oh no! The comet is missing its tail - let's draw a tail for the comet.**



**What is a comet made from? Put a circle around the correct words.**

**Group leader**

**What is a comet made from? Ted says that a comet is made from ice, dust, gas and rock. Make sure to circle those words.**

BANANAS

ICE

GAS

CHEESE

WOOD

ROCK

DUST



# 3

## Shepherd Gate Clock

### Note

This activity can be done in the classroom

### Group leader

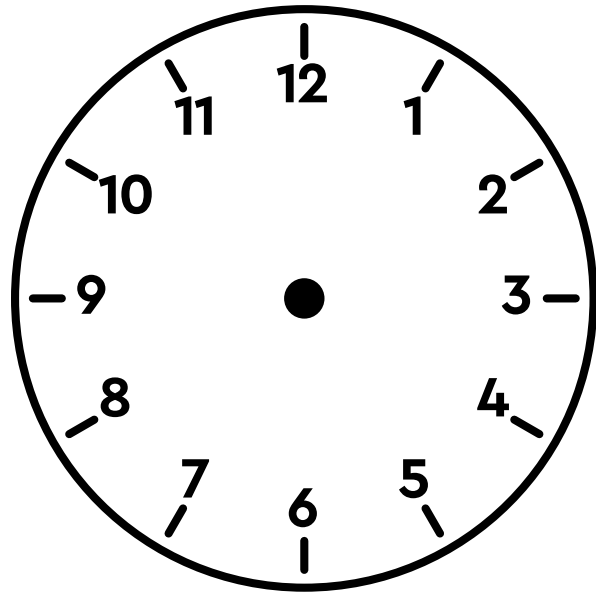
Ted is super duper excited because Ted is going into space tomorrow! The rocket is going to launch at 11:30 in the morning. Ted doesn't want to be late - draw the hour and minute hands on the clock so that the time shows 11:30.



### Extra info

The Shepherd Gate Clock has 24 hours on its face rather than the usual 12.

Draw the hour and minute hands on the clock face so that the time shows 11:30.



**Optional** Ask your students what sound a rocket makes when it launches into space.

# 4

## Prime Meridian

### Group leader

Ted likes to hop around when exploring new places.

Can you hop over this special line called the Prime Meridian?

If you have a look along the line, you can see the names of cities around the world.

### Extra info

The Prime Meridian divides the Earth into two parts - the Eastern Hemisphere and the Western Hemisphere.

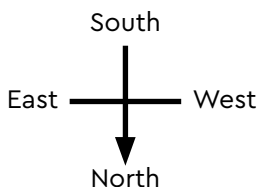


Write down a city that lies east of this line

Write down a city that lies west of this line

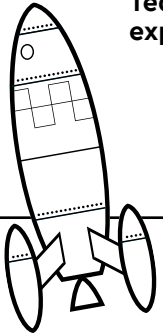
.....	<b>PRIME MERIDIAN</b>	.....
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# 3





## A New Planet



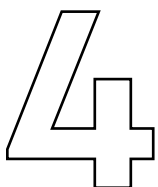
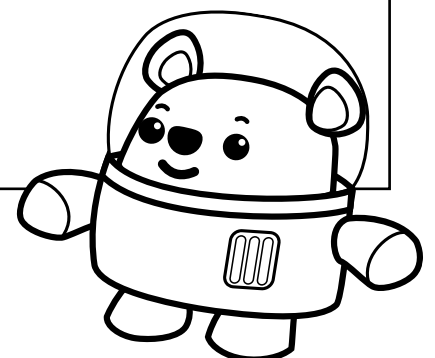
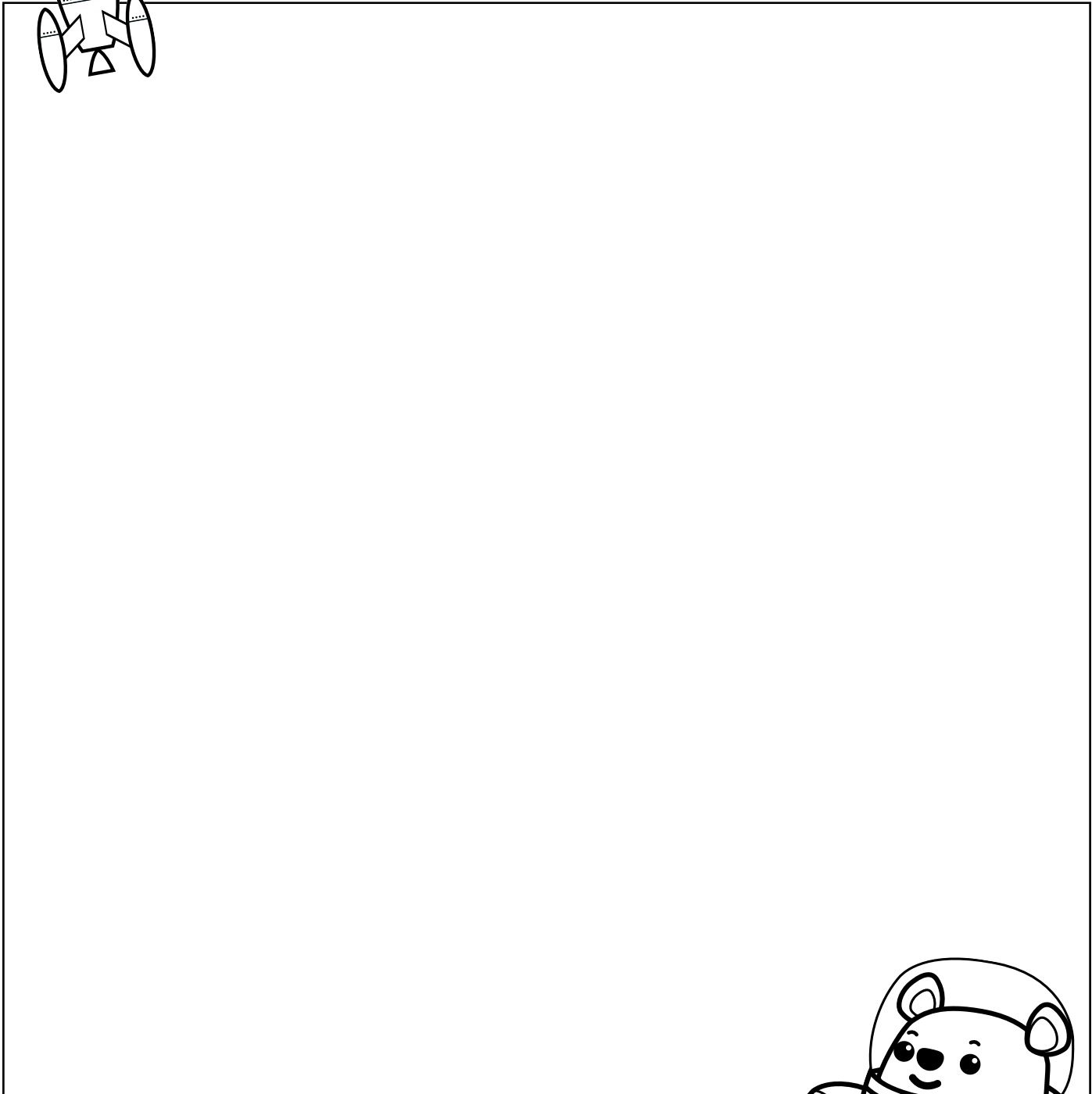
**Ted has found a new planet to explore**

Ted says that the planet has orange trees and blue grass. The sky is green in colour and there are purple clouds in the sky.

**Note**

This activity can be done in the classroom

**Try drawing this strange new planet.**



Get ready to explore space with Ted!

Have a look at our KS1 curriculum-linked classroom activities and digital resources.  
<https://www.rmg.co.uk/schools-communities/key-stage-1-astronomy-resources>