

KS1 School Trail

Teacher Pack

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

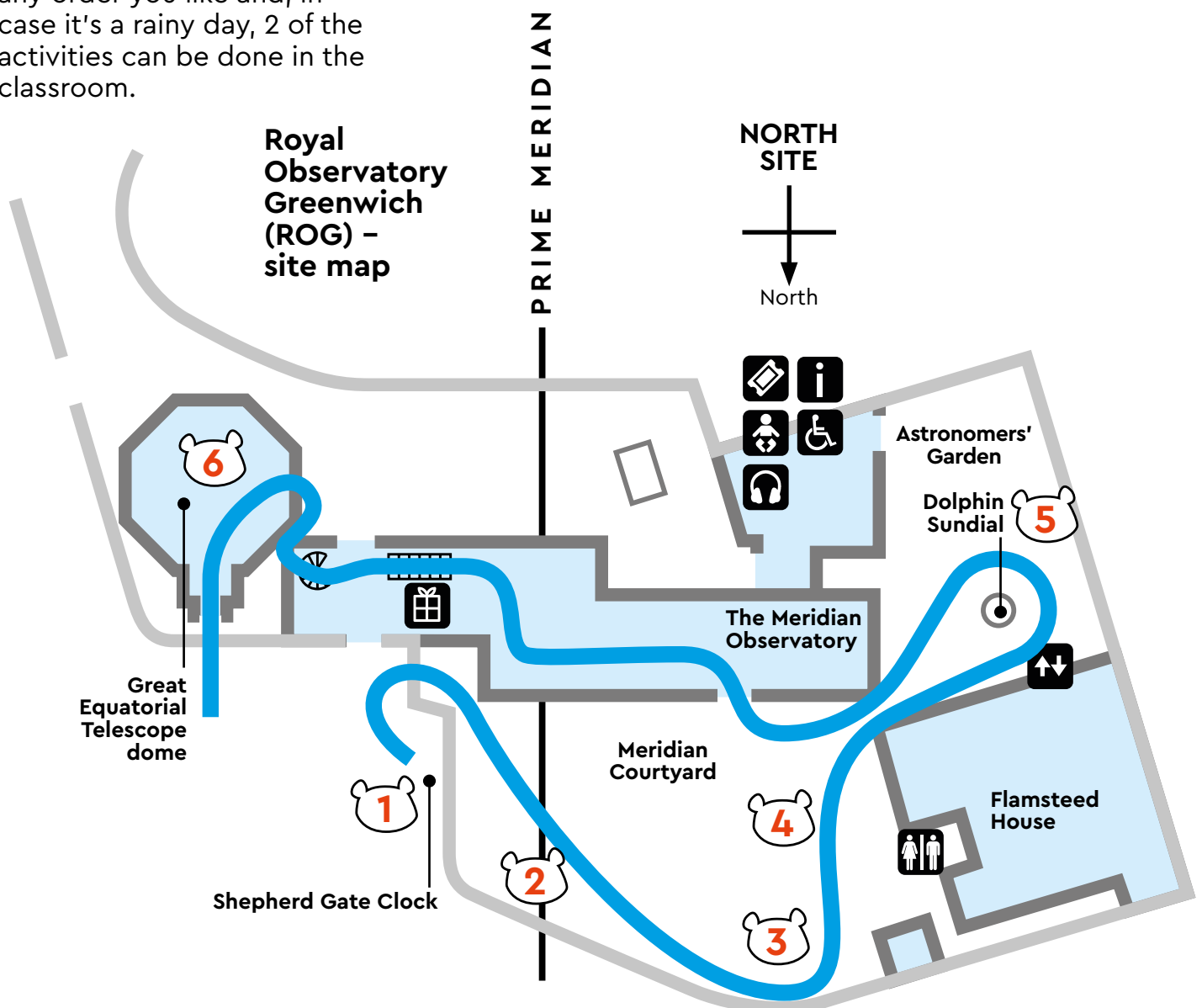
There are 6 different activities for you and your group to choose from. You can do one or all of them, they can be completed in any order you like and, in case it's a rainy day, 2 of the activities can be done in the classroom.

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 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

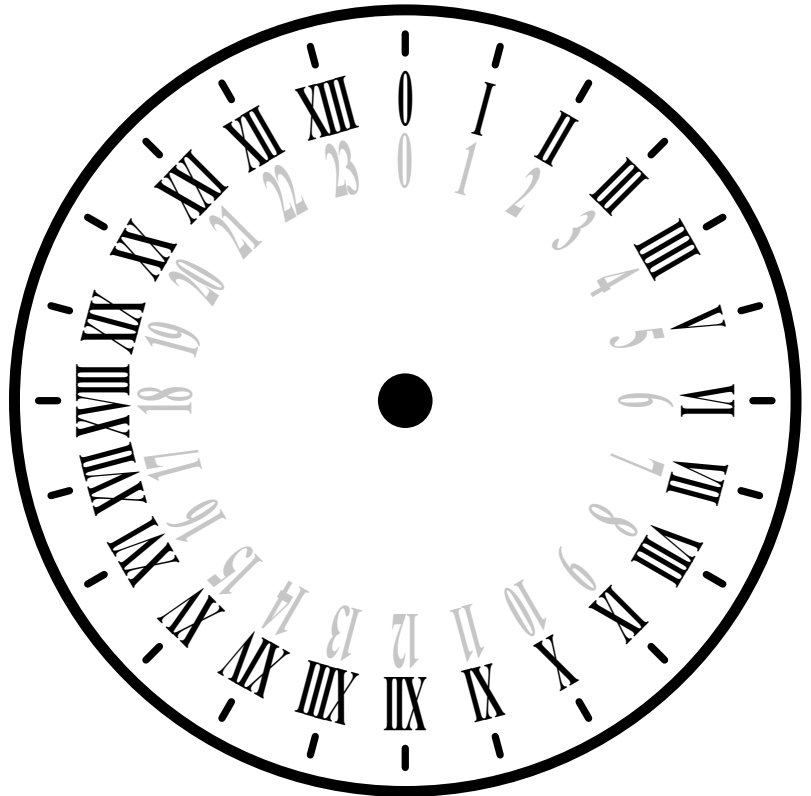




The Shepherd Gate Clock

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

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.

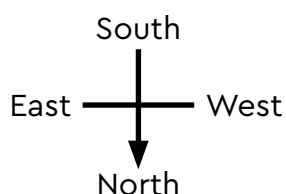


Prime Meridian



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.



Write down a city that lies east of this line

Write down a city that lies west of this line

**PRIME
MERIDIAN**



The view from the hill

Which thing on the horizon do you think looks like Ted's rocket?

Group Leader

What do rockets look like? Can you see any buildings which are tall and pointy like a rocket? Are you looking for something that's big or small?

There is no right or wrong answer to this question. On the far left of the view, almost hidden behind the trees, is a building called The Shard. We think this one looks a lot like a rocket if you want to point it out!



Flamsteed House

Group leader

This building was the home for a man called John Flamsteed and his family! He lived here over 300 years ago and made maps of the stars in the sky. Would you like to live somewhere like this? How would you describe the building? What shape is it? What colour are the bricks?

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The time ball drops at 1pm each day. You could encourage your students to ask one of our staff this question if you like!



What time does this red ball drop to the bottom of its 'stick'?

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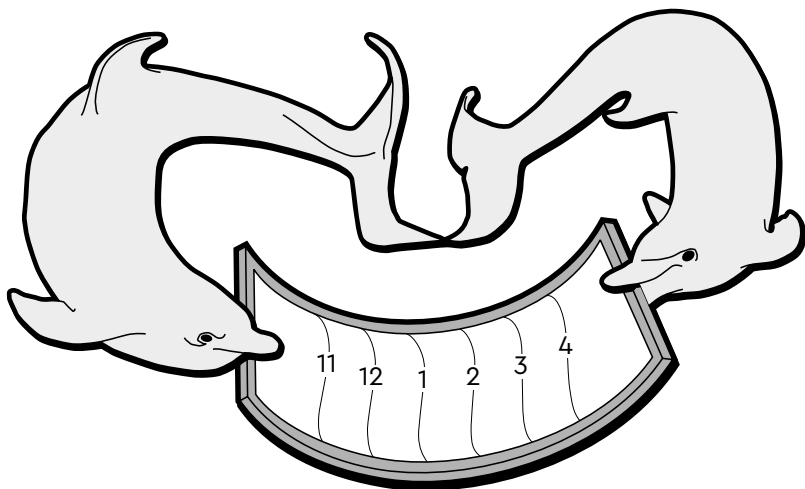
Dolphin Sundial

Group Leader

This is a special kind of clock!

Let's imagine Ted wanted to use this clock to see if it was time to launch his rocket! Would Ted be able to see the shadow of the dolphin's tail if it was raining? Or night time?

The shadow of the dolphin's tail will show you what the time is. Can you see it?



Great Equatorial Telescope



Climb the stairs up to our Great Equatorial Telescope! This telescope is more than 100 years old and Ted's great great grand-Ted used to use it to look at things out in space, like stars and planets.

Group leader

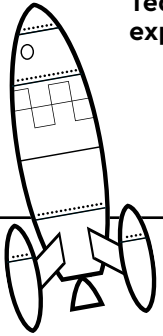
Wow, this telescope is big! It's also really old, and was built more than 100 years ago. What would you like to see through this telescope? Can you draw a picture of it?

Please be aware there's no step free access to the telescope. You can look at other historic telescopes in the Meridian Galleries instead if needed, and imagine looking through them!

The telescope, along with its mount, weighs 28 tonnes. That's the same as 10 adult hippos.



A New Planet



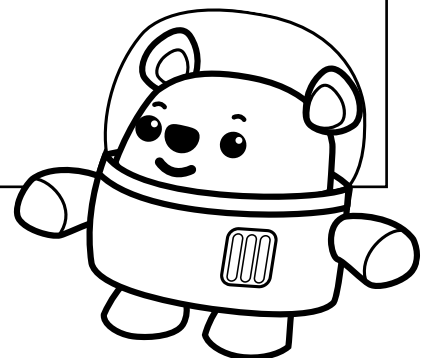
Ted has found a new planet to explore

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.

Try drawing this strange new planet.

Note

This activity can be done in the classroom



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/all-astronomy-science-resources>