

# ACTIVITY SPACE DISCOVERIES

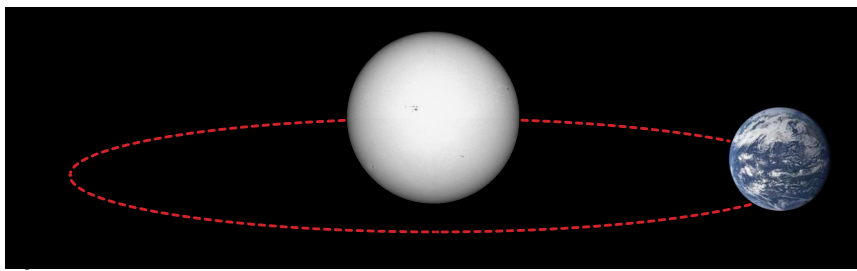
## LOCATION ASTRONOMY CENTRE



### GALLERY ASTRONOMY INSPIRES, QUESTIONS, EXPLORES

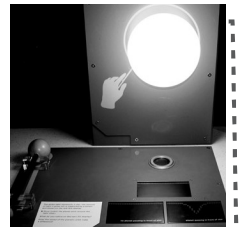
Watch the video about space in the Astronomy Inspires gallery. The Earth (a planet) goes around the Sun (a star) in space. Think about all of the stars in the sky

– do you think there are other solar systems like ours? ///



**What is this force called? ///**

Go to the bright globe in the Astronomy Explores gallery.

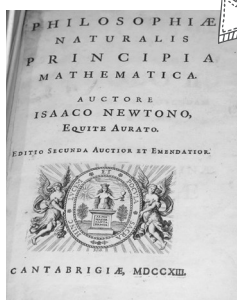


Move the planet wand around the globe (right).

Look at the display.

**What happens to the display as you move the planet around the star? ///**

Go to the Astronomy Questions gallery. Look for the book in the picture below

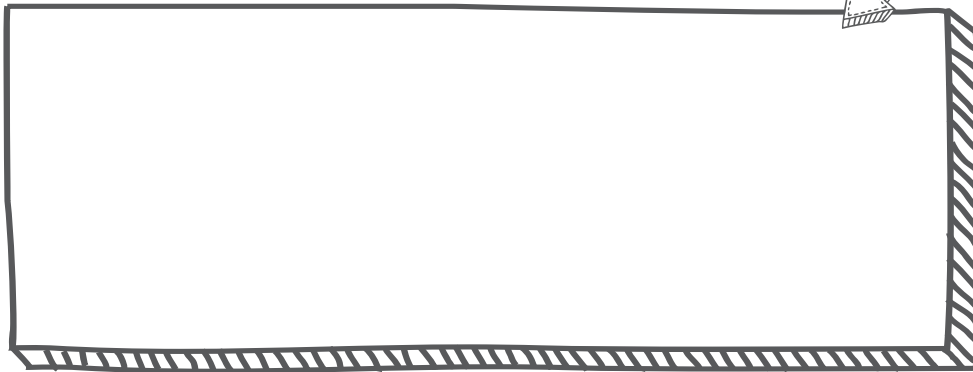


**This book was written by scientist who studied the nature of light. He also investigated the force that keeps planets orbiting the Sun.**

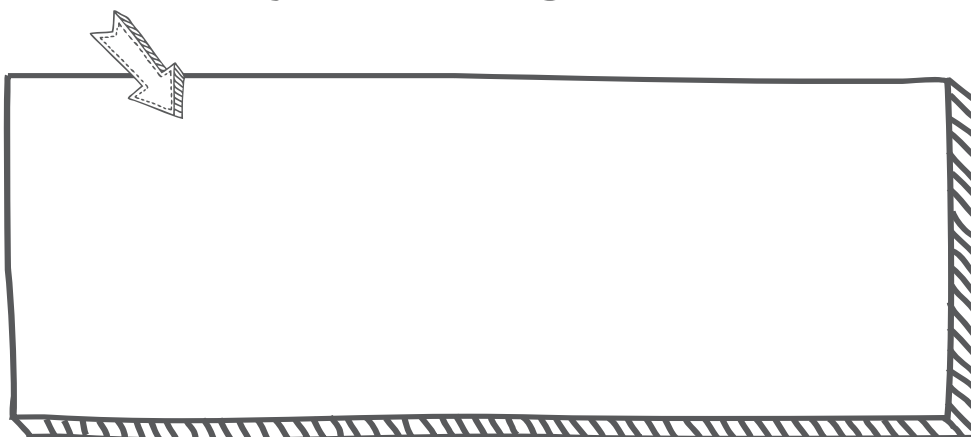
**What was the name of this important scientist? ///**



**Why do you see this? Think about what the ball (planet) does to the light from the bright sphere (star) as it goes round. ///**

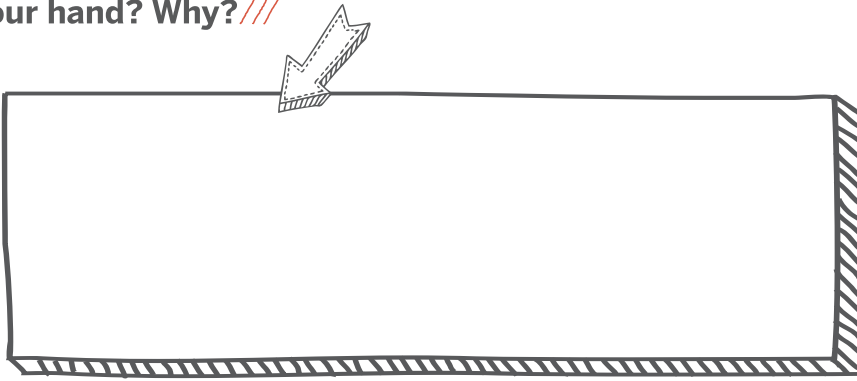


**This is how we detect alien planets orbiting other stars. We use telescopes to search for these planets. Why do you think it is important to search for other solar systems? What might we find? ///**

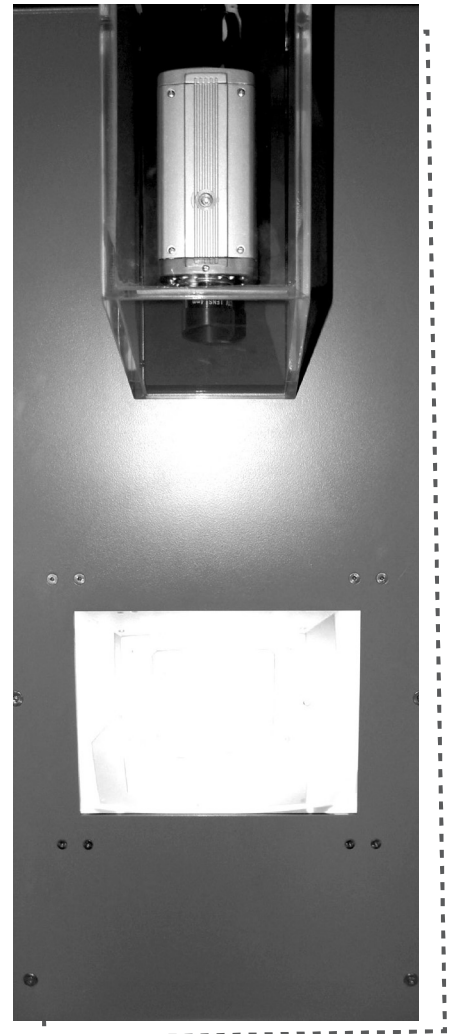
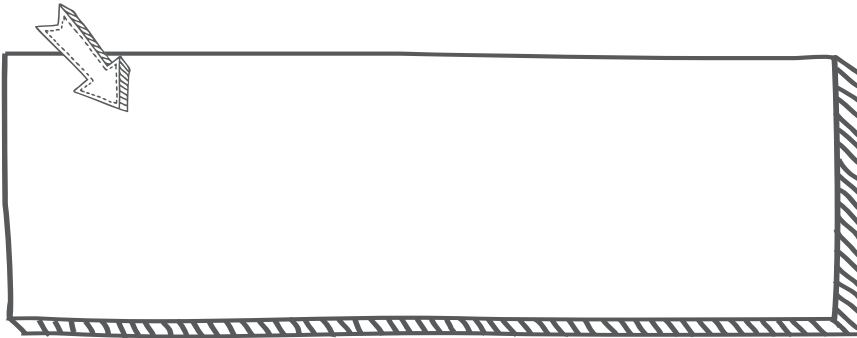




Go to the infrared camera. Infrared light is a different type of light that our eyes can't see. Place your hand under the plate. Look through the plate – can you see your hand? Why? ///



Look at the TV screen – can you see your hand? Why? ///





When do you think infrared cameras might be useful? ///

