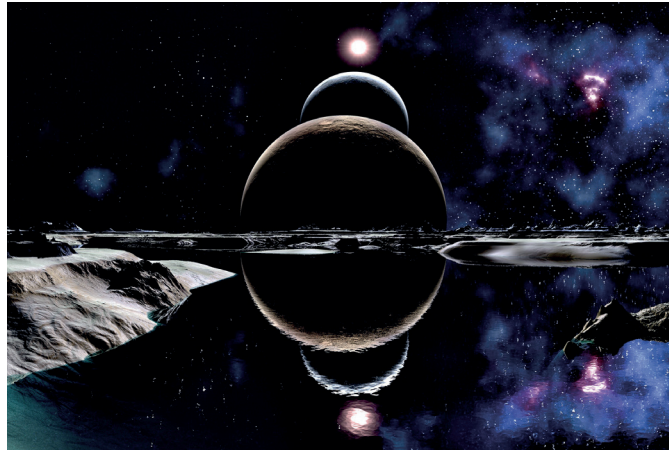


## Think



- What is going on here?
- Where is the photograph taken from?
- Which part of the creation of the solar system could this be?
- Is this our solar system or another one?



## Respond



Take inspiration from faith creation stories about how the Sun, Moon, stars and Earth were created. How do you think it happened? Could you write a story that is a mix of scientific evidence and a creation story of your own?

## Reimagine



What does the rest of this planet look like? What would the scene be if you turned 180°? Use materials of your choice to create the scene.

## Discover



**Fact:** The most widely accepted theory of how the solar system was created is the 'Big Bang' theory which involved a gravitational collapse of a giant cloud of molecules. This is not the only theory however.

**Question:** What other theories can you discover? Which appeal to you the most? Why? Where do they come from?

## Solve



With some friends, make a scale model of the solar system. You will need a range of spherical objects from a poppy seed to a beach ball. Put the planets in the correct order, working out how far apart they are to scale as well. You will probably need to go outside or use the school hall for this, or if neither is possible, work out a different scale.

Challenge: Record which is the biggest planet which is the smallest planet and the difference between them.

## Discuss



Do we really know how our solar system, or any other was made? How were the other planets formed and what is their purpose? Will we ever know the answer to the creation of our own planet? Do we need to know the exact answer?