

## Let's Explore!

### How Does Earth Move?

You will need:

- Table lamp

1. Place a lamp on a table and switch it on.
2. In groups, stand in a circle facing outwards. Link arms with the classmates beside you. Make sure one of you is facing the lamp.
3. Move to the left slowly so that the next person is facing the lamp. Keep doing this until you are back where you were at the beginning.
4. You have just used a model to show that Earth spins. The circle represents Earth. The lamp represents the Sun. Discuss these questions:
  - (a) Is it <sup>brighter</sup> brighter or darker when you are facing the 'Sun'? What happens when you turn away from the 'Sun'? **it becomes darker when we turn away**
  - (b) This model does not fully represent how Earth moves. Why?



**It is because this model represents the idea that Earth is a sphere shaped planet that spins on its axis while the sun shines on it, but also Earth spins around the Sun it is not in the same place always.**