



## Qobo series course

Section 3

Explore Solar System

# Curriculum objectives

## **Knowledge and skill**

1. Learn to use light card and dancing card;
2. Understand knowledge of solar system, know eight planets, revolution and rotation;

## **Process and methods**

1. Distinguish different color, exercise observing ability by observing color of planet;

## **Emotional attitude and values**

1. Explain knowledge of solar system, train children's curiosity of exploration and learning interest.

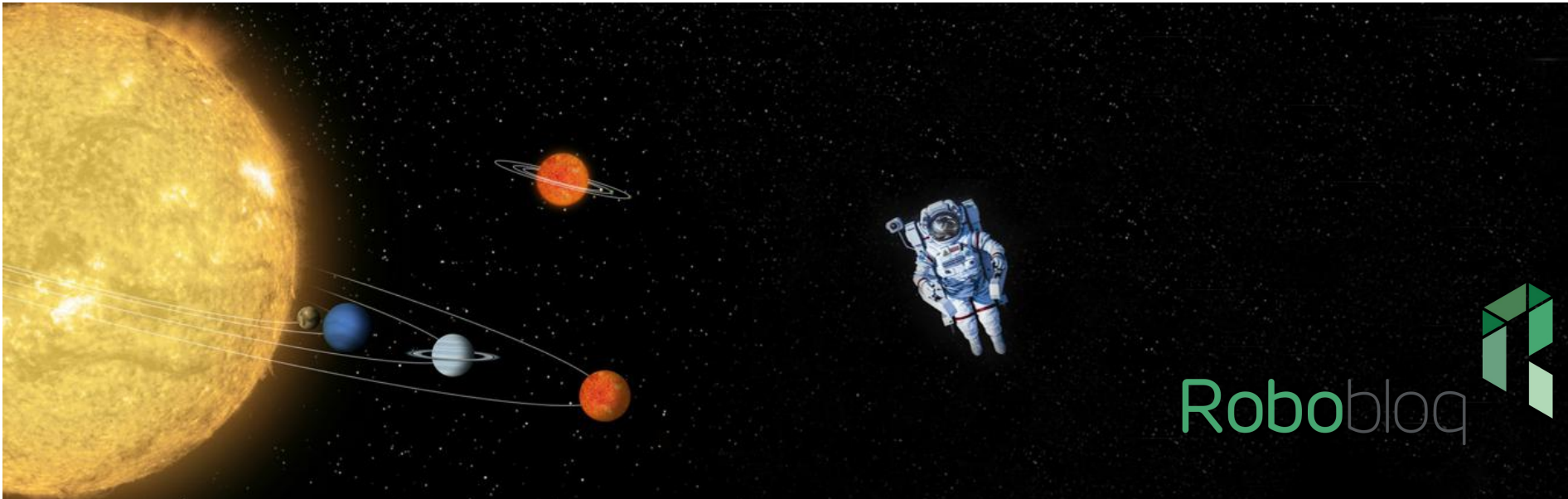
# Curriculum introduction

Fixed star is always in the sky, and we can see that they twinkle in the night when we raise our head, but there is a special fixed star that it rise in the morning and set at dusk, it is the sun.



# Curriculum introduction

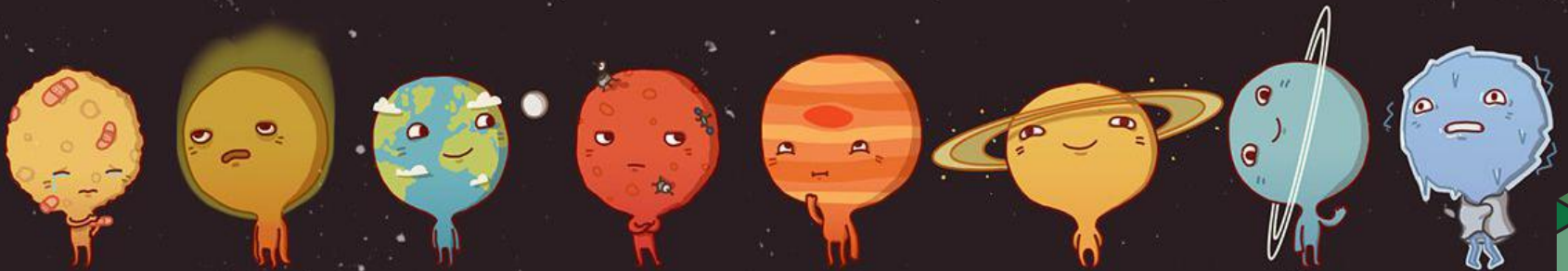
In the form process of sun, some substances in aster don't become a part of sun, the sun attract substances that vary in size after sun formed, and make them turn round that revolve round sun, therefore, solar system formed.



# Curriculum introduction

In the solar system, sun attracts big planet, small planet, aura and no aura planet, and some debris that produced by blast.

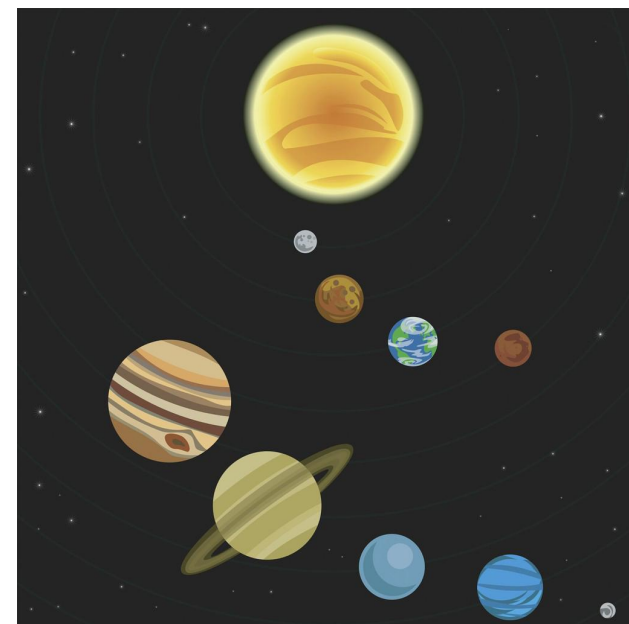
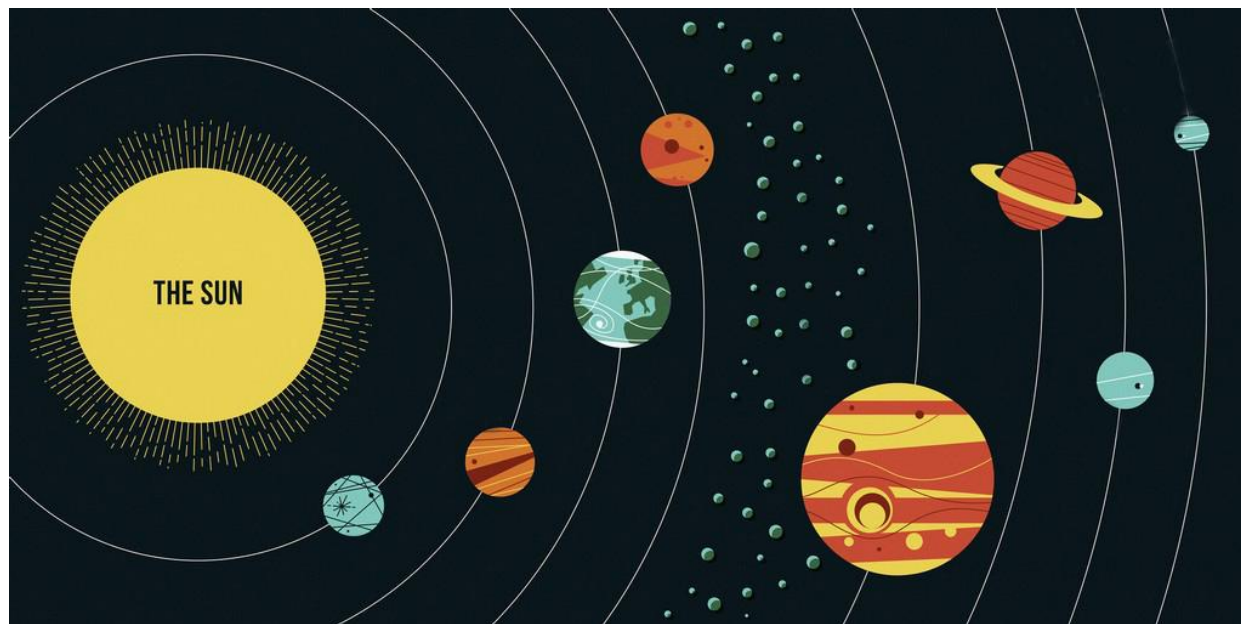
Solar system mainly consists of eight planets that Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune. There are a lot of small planets between Mars and Jupiter, it called "asteroid belt".



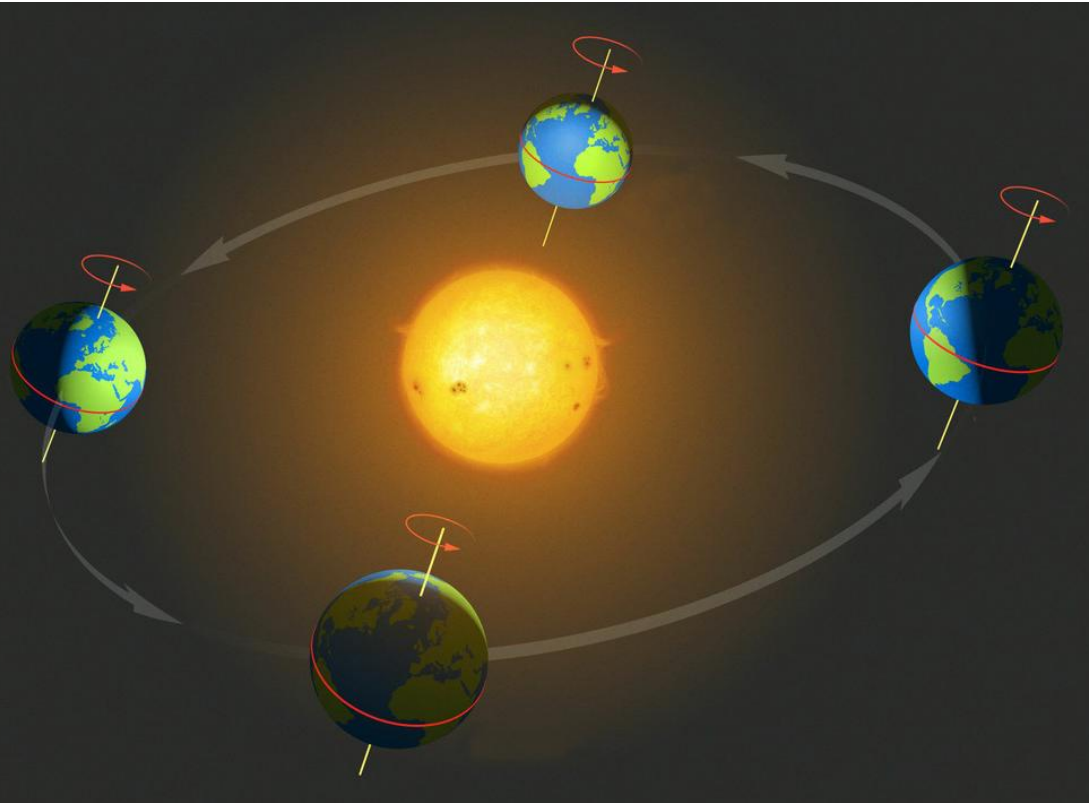


# Curriculum introduction

In the solar system, matter such as planets turn round that revolve round sun, this phenomenon called "revolution". And every planet's revolution would follow a elliptic circle, that circle called "orbit", simultaneously, planets turn round by themselves too, that phenomenon called "rotation".



# Curriculum introduction



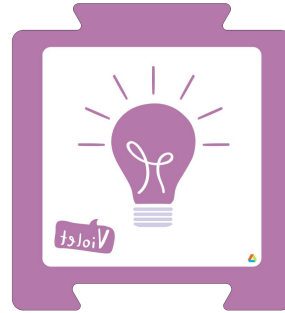
The sun just like a music conductor who lead all members.

Our earth is without exception, earth revolution revolve round sun, at the same time, it also rotation by itself.

# Card explanation

## Light card:

When Qobo is on this card, annular lamp will light respond color, and advances forward one step. In addition to red light card, there are orange , yellow, green,etc., totally 7 kinds of color card.



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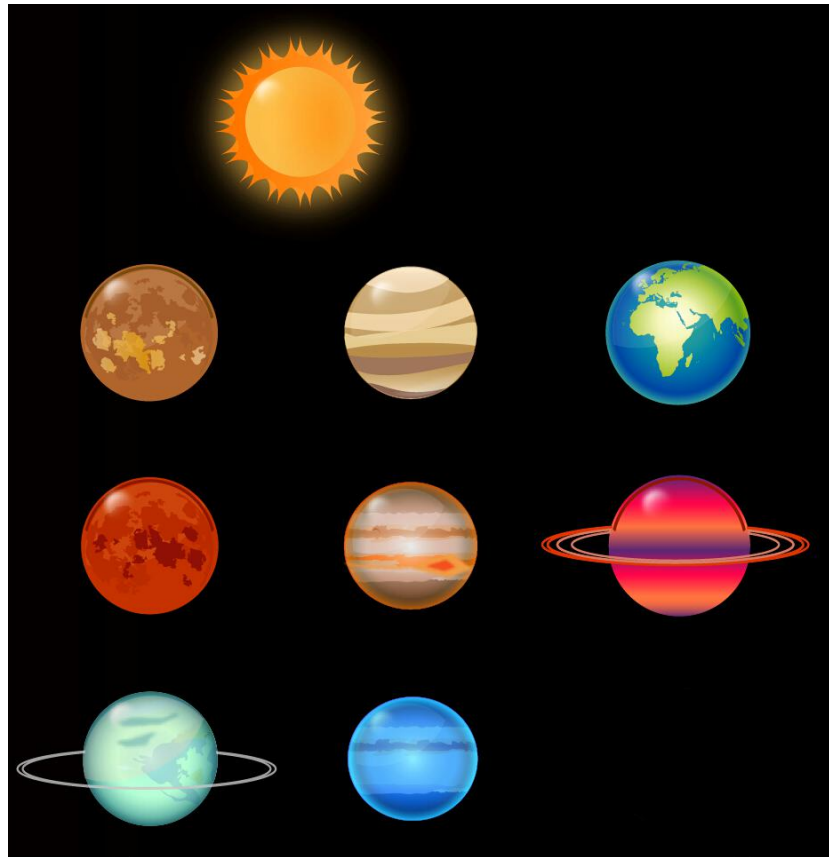
# Card explanation

## Dancing card:

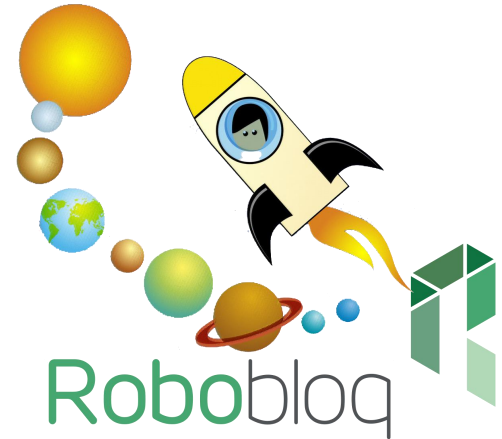
When Qobo is on this card, Qobo will sing while dancing, after dancing, it will move forward one step.



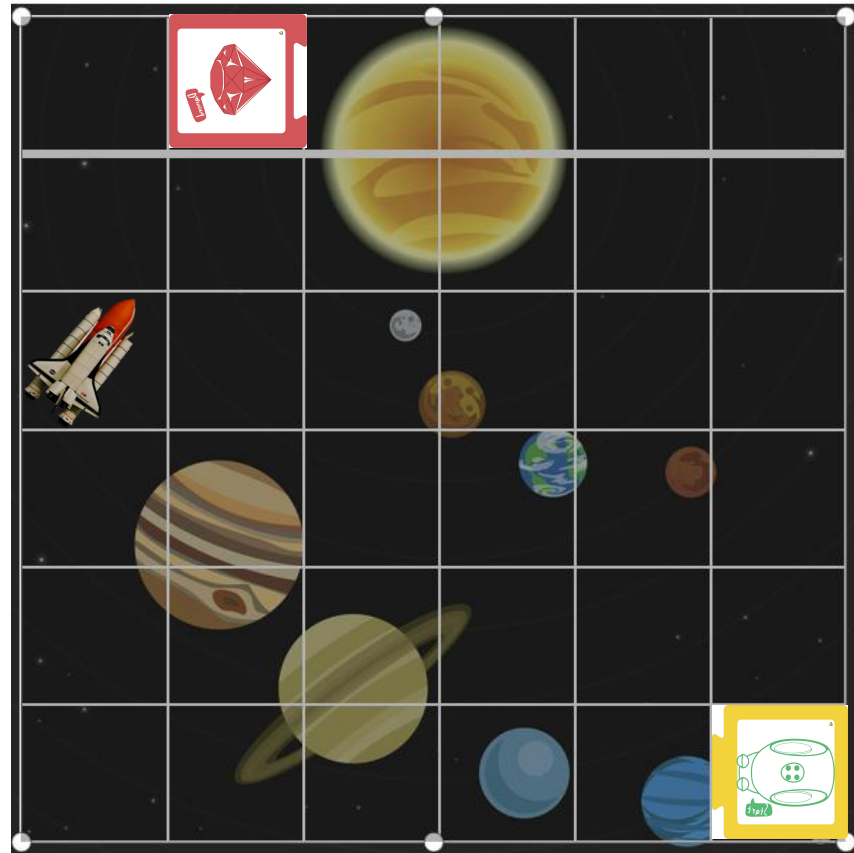
# Hands and brains



There are eight planets in the solar system, they are different in size and color, Earth is blue planet,, Mars is red planet. Do you know what color do other planets are?

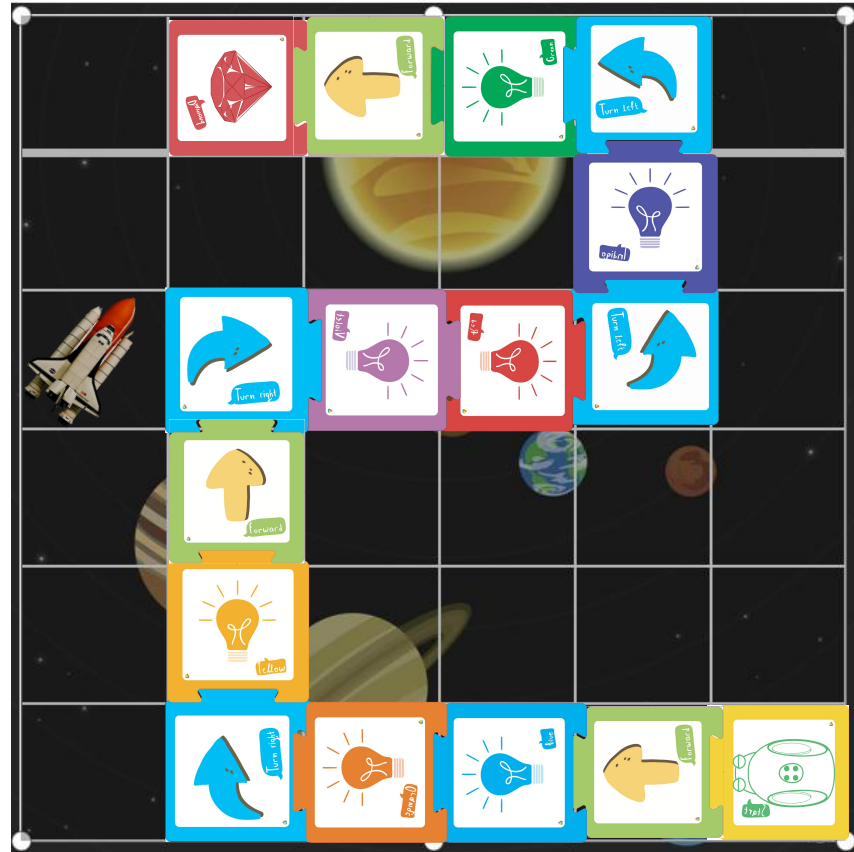


# Hands and brains



The color are different among planets, it will be spectacularity that fly in space, according to new cards that we have learned, build a colorful route in the solar system for Qobo to travel.

# Hands and brains



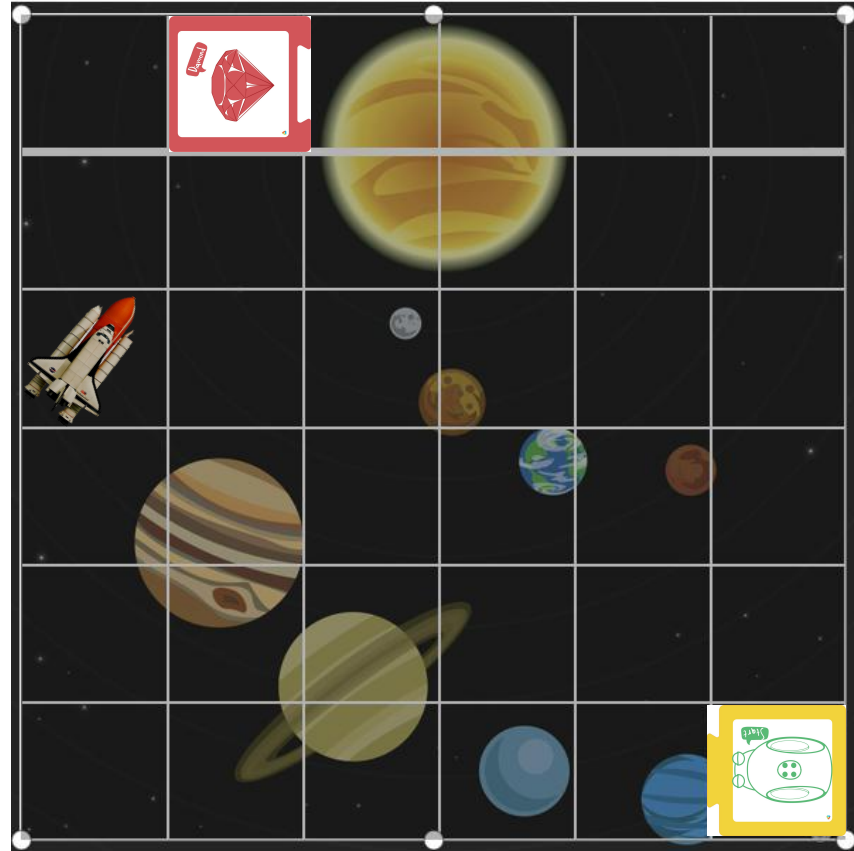
Children, think about how to reach destination with putting more color light cards.



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# Task challenge



In the process of building route, using dancing card, let Qobo sing while dancing, sharing its joy.



# After-class sharing



Children, in the solar system, what planets revolve round? Do you know what is revolution and what is rotation?

What cards do we have learned today?



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