



Qobo series course

Section 4
Parched Sun

Curriculum objectives

Knowledge and skill

- 1.Synthetically use cards that we learned about and complete tasks;
- 2.Understand structure of sun, know reason of emerging polar light;

Process and methods

- 1.Let children know emergence reason of solar activity and polar light by explain them;

Emotional attitude and values

- 1.Train children's spirit of helping others happily by helping Qobo complete tasks.

Curriculum introduction



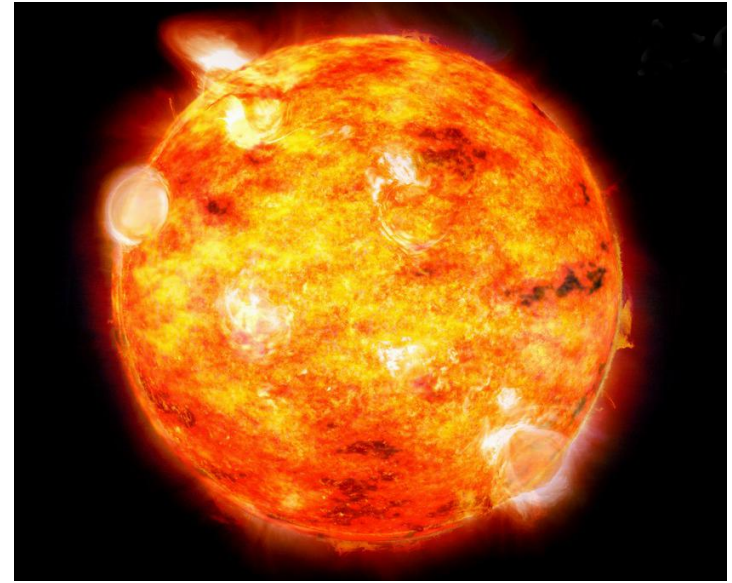
The sun is the nearest fixed star to us, also is the center of solar system, for earth, sun is special, because there is sun, earth exists life.

Roboblog 

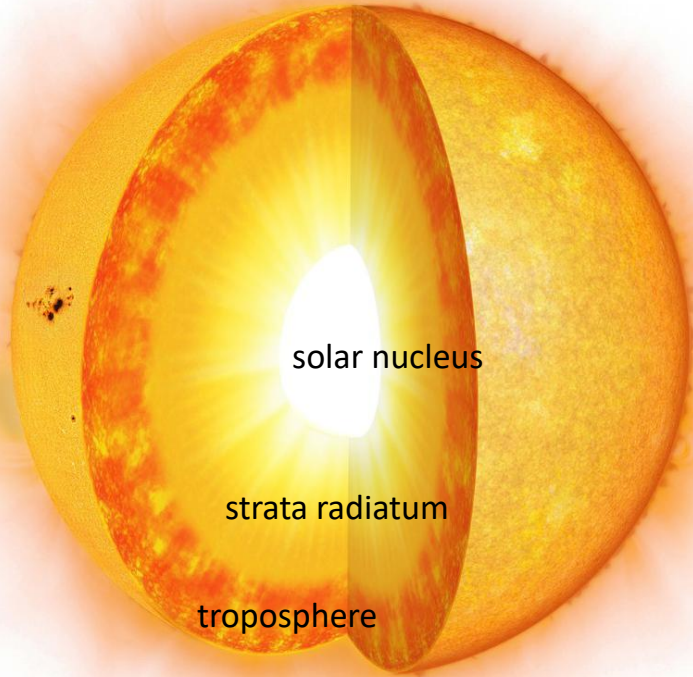


Curriculum introduction

In summer, we feel very hot when earth temperature reached 40°C , but compared to temperature of sun, that is nothing, sun's temperature up to 6000°C , and shine earth.



Curriculum introduction



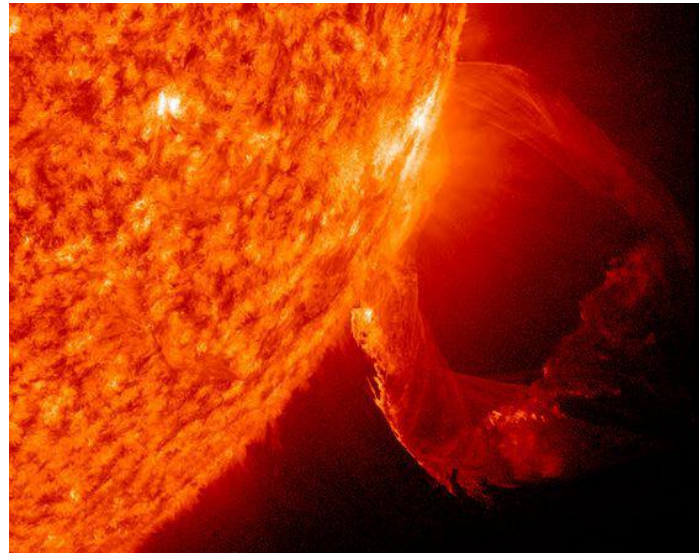
The sun seems to very equability, but actually, it happens voilent activities all the time. It is solar nucleus, strata radiatum, troposphere of sun from inside to outside.

Solar energy eradiate to earth, become the main source of light and heat of earth.



Curriculum introduction

The sun is high energy sphere that consists of gas, a part of energy drift in space in tiny dust form, when it blow to two poles of earth by strong wind, sky will be dyed to yellow-green or red, this phenomenon called "polar light".



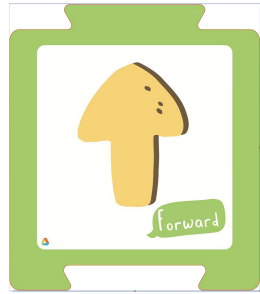
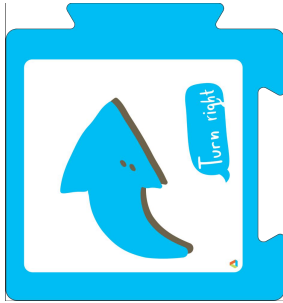
Curriculum introduction

SOHO satellite is the artificial satellite that human being launch to space to detect solar activities, it turn round that revolve round sun, collect valuable information of solar system, it can predict activities of sun, decrease damage that bring by solar system.



Card explanation

Children, retrospect what cards have we learned about before? How do they let Qobo move?

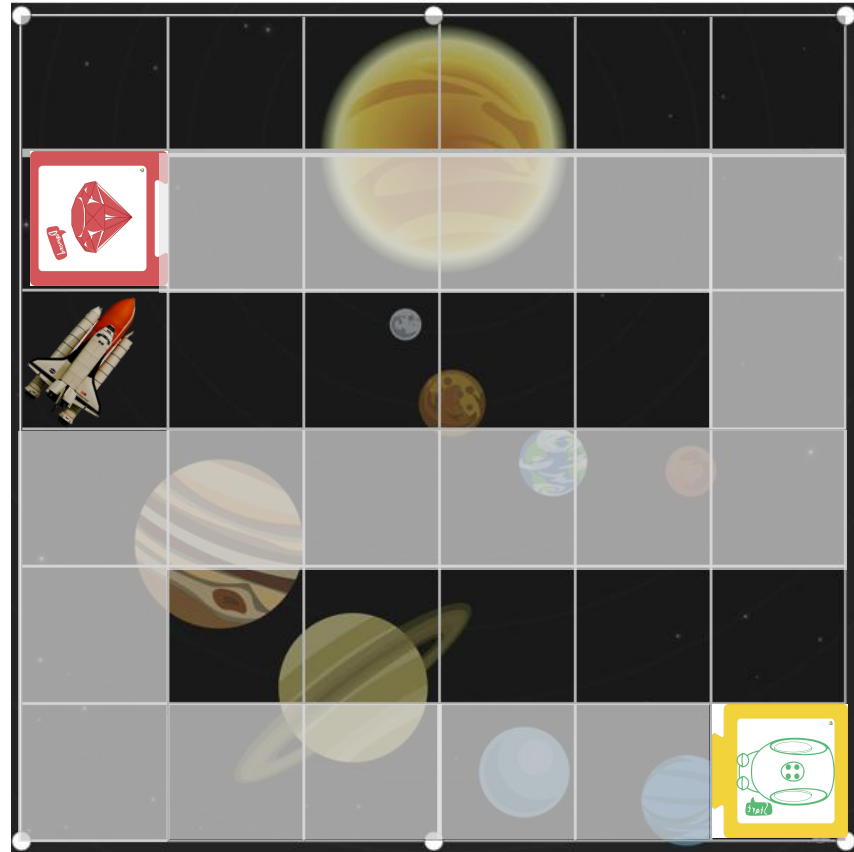


Hands and brains

Qobo wants to follow SOHO satellite to observe sun and solar activities in a close distance, but Qobo's flight line is very complex, it need a lot of detours, it's difficult for Qobo.



Hands and brains



Helping Qobo solve difficulty
with cards that we have learned.
Try to build different route
that fly to sun.

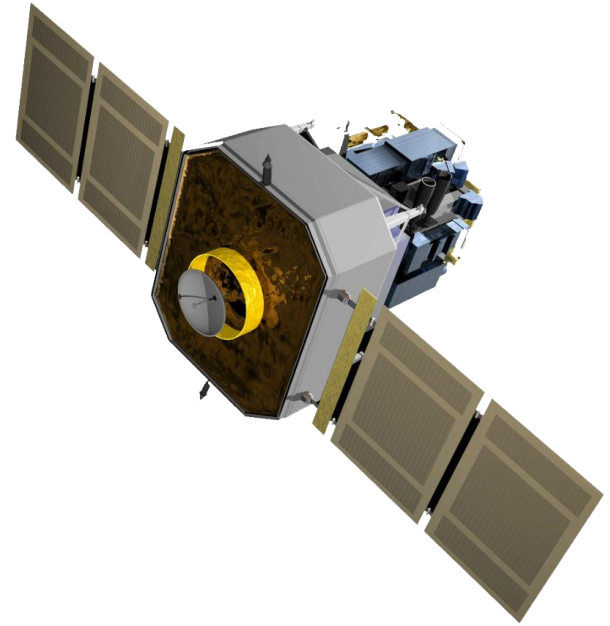
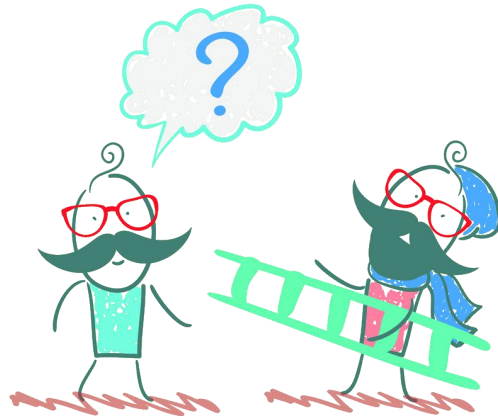


Roboblog



Task challenge

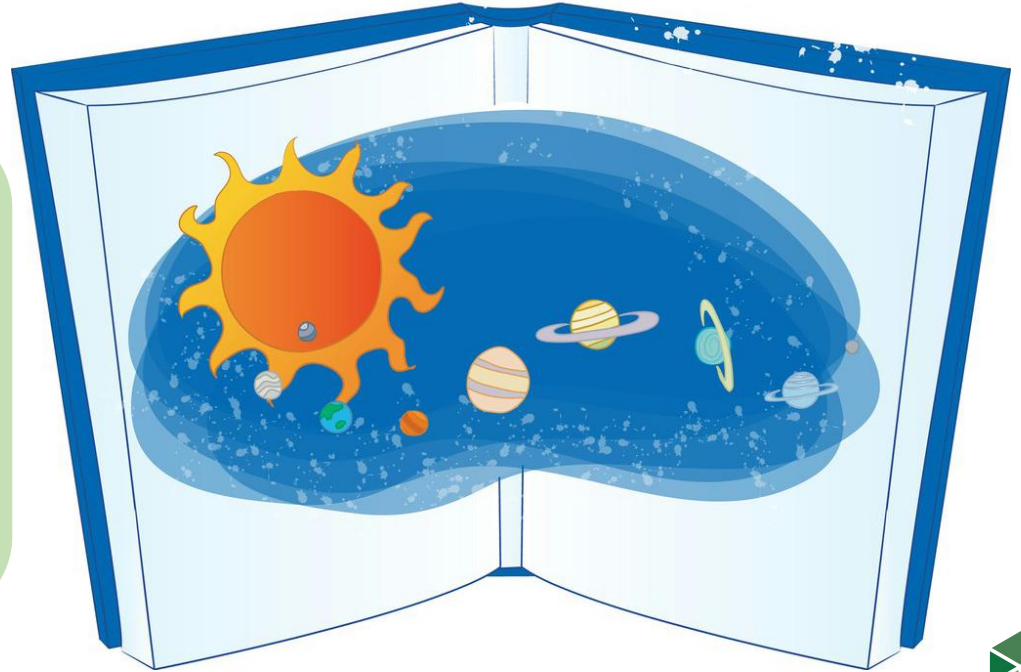
It installed solar panels in two sides of SOHO satellite to collect solar energy to provide energy. In space, Qobo also need that devices, can you help Qobo to build that devices with Lego blocks?



After-class sharing

Children, do you know how polar light come into being?
What would be happen if earth leaves sun?

Sharing methods that how
did you help Qobo fly to sun?



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