






Navigations 1

Student Inquiry Guide


 Fly around stars,
or ride on the sea. 
Many great adventures
are waiting for me!


My story of adventure begins here . . .

[Go to Piko area]

I walk through a forest and hear many sounds.
Then I reach a mountain that's taller than me.
As I look up and down and all around,
These are the things I see

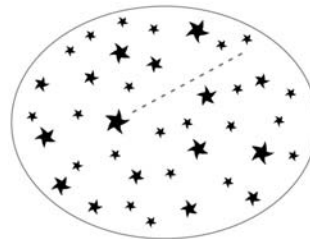


Mountain

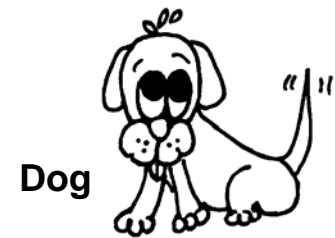
Circle things you see in the Piko area.



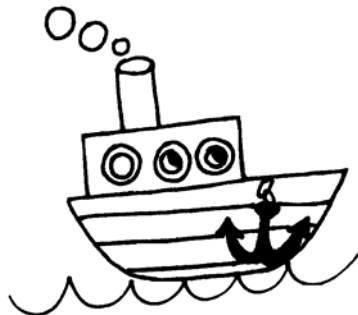
Lake



Starry Sky



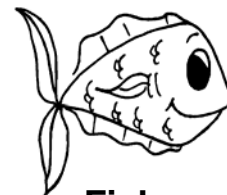
Dog



Boat



Rocks



Fish


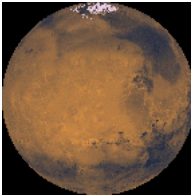
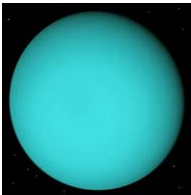







Trees

Illustrations for this activity by 'Iwalani Kūali'i-Kaho`ohanohano

[Go to "Pushy Planets" puzzle in Origins]

I live on Earth,
Just one of the planets that orbit the Sun.
Some are near, others are far away.
I can put them in order on a puzzle that's fun.

| Look at the puzzle pieces to find the correct answers below. Put a check by your choice. | | | |
|--|---|--|--|
| Biggest planet in our Solar System: | | Planet closest to the Sun: | |
| <input type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/>  |
| Jupiter | Mars | Uranus | Mercury |
| Planet with rings: | | Planet where you live: | |
| <input type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/>  | <input type="checkbox"/>  |
| Venus | Saturn | Earth | Neptune |

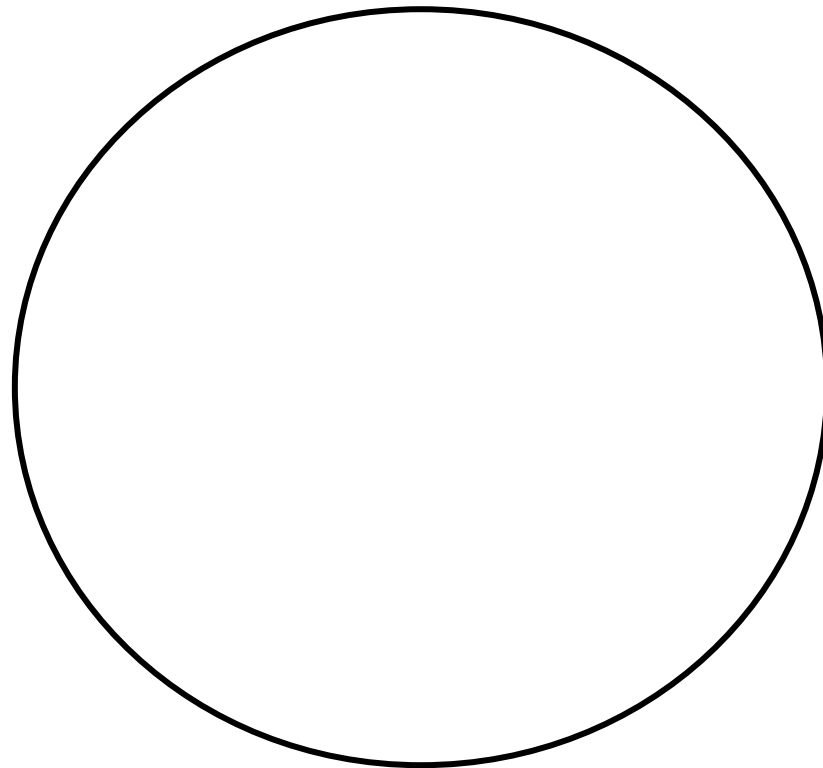
Create a Planet

At home or school, draw your favorite planet or use your imagination to create a new planet.

My planet's name is _____.

It is special because _____

_____.



Fun Fact:

When your parents and teachers were in school, they were taught that our Solar System has nine planets. But in 2007, astronomers decided that Pluto is not a "real" planet (it's now called a dwarf planet). So, how many planets are in the Solar System today? _____

[Go to "Watch out for falling rocks" exhibit in Origins]

Meteors often streak across the sky,
Pieces of comets and asteroids from outer space.
Lucky for us, as these rocks fall to Earth,
They burn and disintegrate before hitting our place!
But once in a while, a chunk hits the ground,
Becoming a meteorite that may be found.



Look at the meteorites on display.
How many do you see?

Touch the real meteorite.
How does it feel?

Look through the magnifying glass to view the inside of a meteorite. What do you see?



Fun Fact:

Meteors are often called "falling stars" or "shooting stars"—but they are not stars at all! Streaks of light you see in the night sky are created by a meteor burning up as it falls through Earth's atmosphere.

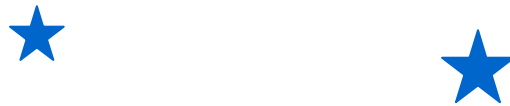
[Go into the "Cosmic Kitchen"]



Let's go to Cosmic Kitchen to see what's cooking.
Here's what we learn by listening and looking:

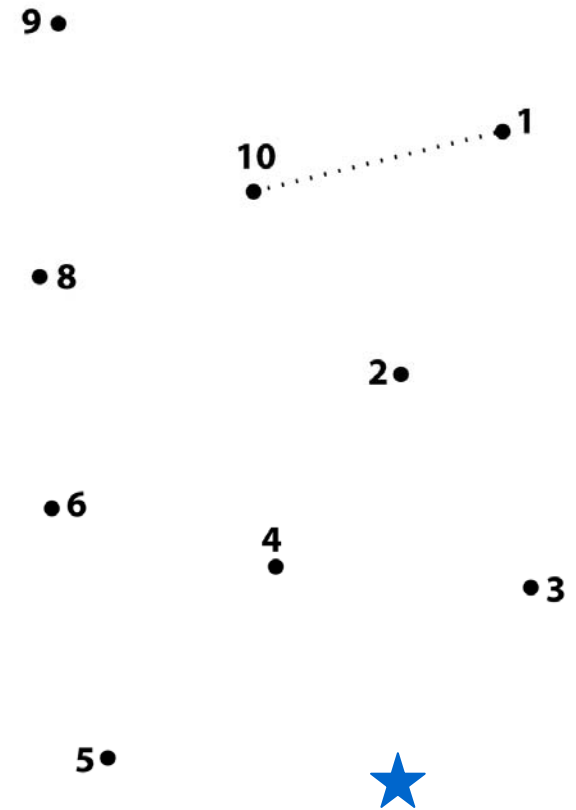


Oxygen, calcium, iron, and carbon,
come together from stars in the sky,
and make up all the ingredients
we use to bake a fresh apple pie.



The stuff that makes a star,
also makes us who we are.
Oxygen to breathe, calcium for bones,
iron in blood, and carbon everywhere.
Me ... a star? How bizarre!

Connect the dots from 1 to 10.





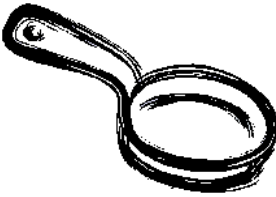


[Go to displays on lauhala sails in "Voyaging"]

I see pictures of people building a canoe,
They're preparing for a voyage, and have much to do.
After they set sail, the work does not end ...
I stand on the canoe deck, and begin to pretend,
That I'm part of the brave and skillful crew,
Riding the sea, and doing my job too.

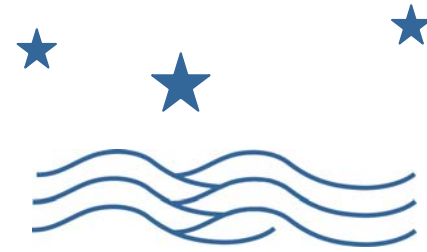


There are many jobs to do while voyaging on a canoe. Draw a line to match a job to its needed tool. Think about the jobs and then circle the one that you'd like to do if you were on a canoe.

| | | | | | |
|--|------------------|---|--|---|---|
| | Navigator | Cook | Steersman | Carpenter | Fisherman |
|  | |  |  |  |  |



Around the stars,
and across the sea.



Such great places
and new adventures for me!

To end my story, here's a drawing of my favorite thing I saw at `Imiloa.