



Kew Gardens Trip



Name

Tutor Group

Map of Kew Gardens

(If you get lost look for a teacher or a member of Kew staff)



Find Me

For each picture you must find the object on your travels round Kew Gardens and take your own picture with it.



Ask the Staff

Venue: All over

1. What is “Kew Gardens”?

.....

2. Where are Kew Gardens situated?

.....

3. When were they founded?

.....

4. How large/big is Kew Gardens?

.....

5. How many books has the library got?

.....

6. Can you name the Plant Houses? (1 - 6)

.....

.....

.....

7. Write the Plant Collections. (1 - 10)

.....

.....

.....

.....

8. The Palm House is a glasshouse (also called a greenhouse) at Kew Gardens. Watch the video (YT: “The Palm House at Kew Gardens”) and complete these sentences:

- The Palm House was constructed in from over tons of iron and panes of glass.

- The Palm House looks like the upturned hull of a

- This is almost certainly and it came here in

Science and Geography 1

Venue: The Temperate House

Find the name of the plant that produces the biggest cones ever

.....

Take a picture of the *Zingiber spectabile* flower.

What are some of the most common uses of mahogany?

.....

What percentage of sugar comes from sugar cane?

What is the science name for the 'Hurricane Palm Tree'?

.....

How long do cycads live for?

How tall is the Banyan tree?

Which continent is ginger from?

Starfruit is sometimes used as a medicine for which diseases?

.....

Go up the walkway. Guess how tall the tallest tree you can see is.....

Was the bottle palm almost extinct?

.....

What country is the Jade Vine from?

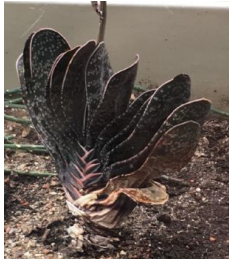
How are cannonball trees adapted for pollination?

.....

Science and Geography 2

Venue: Princess of Wales Conservatory

Find the full science name of each of the plants below.



How is this plant adapted for survival?



Go down to the aquarium on the bottom floor. What are the names of the fish you can see? How is each fish adapted for its survival?

Name of Fish	Adaptation

Maths

Venue:

This task involves some running around to keep warm. You will be completing some speed, distance and time calculations when running as if you were in different animals living in the plant environments you looked at today.

Equation: $\text{Speed (m/s)} = \text{Distance (m)} / \text{time (secs)}$

Animal	Plants found in their environment	Distance (m)	Time (sec)	Speed (m/s)
Human				
Cheetah (fastest animal in the world)				
Sloth (super lazy)				
Antelope (gallops with energy)				
Bear (stomps along)				
Giraffe (walks very elegantly)				
Kangaroo (jumps along)				

Drama

Venue:

Choose a picture from the International Gardener of the Year exhibition.
You need to create a script for a drama piece based around this picture..
You must talk about stage directions, key props and use of dialogue. You
may also draw a diagram of your stage set up.



.....

.....

.....

.....

.....

.....

.....

.....

[illegible]

Art / DT

Venue:

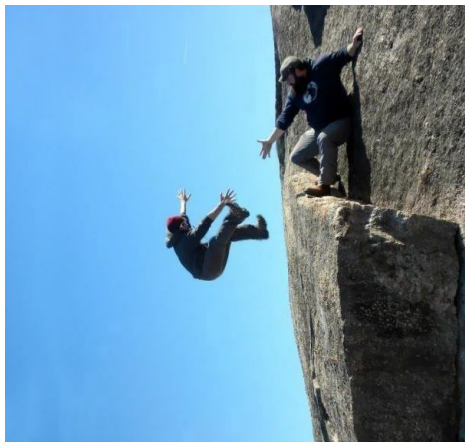
Have a look at the Acorn tree in front of you. Using sketch pad draw life drawings of the plants without using colours. Use the **pen tools only**. Save your drawing and copy it into this document.

Computer Science

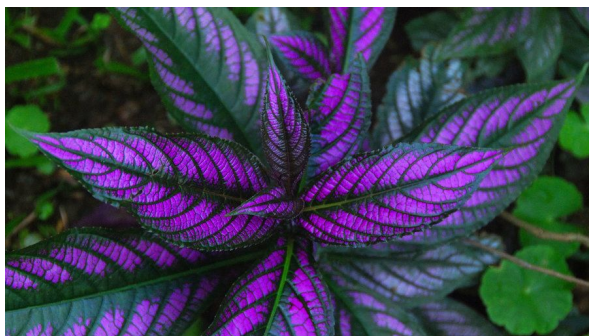
Venue:

Using the camera app on your iPad take close up pictures of different parts of the rock garden. Think about what distinctive features these have and label them on your pictures. Use as much scientific and art language as you can - discuss colour texture, structure and function.

Can you create perspective drawings with this area?



Can you take pictures that can be used as part of scientific data or magazines?



The Hive

Venue: The Hive

How tall is The Hive?

.....

When you held the stick in your mouth what did you notice?

.....

.....

Using your science knowledge explain how sound travels.

.....

.....

.....

What do the lights on the hive represent?

.....

.....

.....

There is music playing in The Hive. What symphony is being played and why?

.....

.....

.....

Using the people in your group and your own knowledge and write down 3 facts about bees.

1)

2)

3)

Tree Top Walk

Venue: Tree Top Walk

How high is the tree top walk?

.....

How many stairs are there on the tree top walk?

.....

What is acrophobia?

.....

How do you feel when on the top of tree top walk?

.....

Can you see any birds? What do they look like?

.....

.....

.....

.....

Which direction is North? Draw an image of what you can see from the North of the Tree Top Walk.



The Marianne North Gallery

Venue: Tree Top Walk

This exhibition is full of painting from artist and scientist Marianne North. xz
Find the number that matches to each of these descriptions of pictures.

View from the artist's window
at Buitenzorg, Java.

Gum trees, grass-trees and Wattles
in a Queensland forest.

Indian palm at Sette, Lagoa, Brazil.

View of puerto de orotava, Teneriffe, from
the Sitio del Pardo.



View of Matang and river, Sarawak.

Antics of ants among the flowers.

A medley of flowers from Table Mountain,
Cape of Good Hope.



Earth-nut and a prickly gourd,
St. John's, Kaffraria.

Flowers and butterflies
of Sarawak, Borneo.

Malay houses and creek.

Watch the 8 minute video in the gallery on the right hand side. Answer the questions below.

1. When did the palm house open?

.....

2. What was the name of the plant that sparked Marianne's interest in plant life?

.....

3. How far did the presenter have to travel into the jungle to find the plant?

.....

4. Where did Marianne spend her summers?

.....

5. How long did she travel the world for?

.....

6. Who did she travel with?

.....

7. What was special about the way Marianne signed her paintings?

.....

8. Why did Kew have to take Marianne to court?

.....

.....

.....

Extension 1: Plants crossword

Kew Gardens Wordsearch

B W C K L G J C A T P W Q Z O L Q A
A O M D R N L D F M E O I V M T P Q
M R K A M I Y I Q N B M T L U M X U
B M S S M S N E D R A G P E L A H A
O S H B U S Q F B S L V R E E O Z R
O W E F S I N L R V E A P O R R W I
X R P Z G H B S S E W F Z J I A T U
S E V E U Q U E R R M L A P U W T M
I E K P R W K C W G N J U R W J T E
F R I G P K U V F R B G M I V Z M I
A T W S E E U X S H I W T X N L N E
I H K P Z B G P N S M T T C J S U W
T T H P Y L N G F D F S D E C G S Z
X V A V D C S W Z R U O L D S U V Q
F B O H W J G Q S O R P N V T O B Y
P F I B X O R C H I D M M C W G R N
D J A C X Y Z D F X V O A E X L W A
D K J R A O T G H R M C K Z T S P F

AQUARIUM
CLIMBERS
GRASS
PALM
TREE

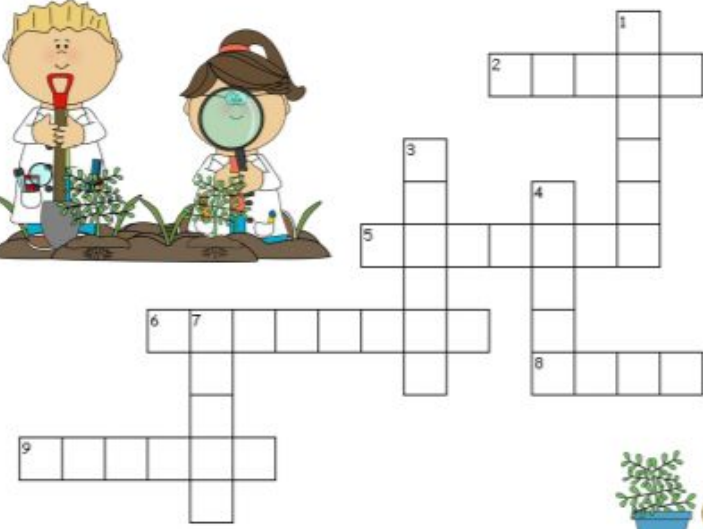
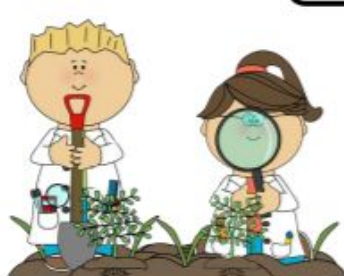
BAMBOO
COMPOST
KEW
ROSE
TREETOP


CACTUS
GARDENS
ORCHID
TEMPERATE
WILLOW

Extension 2:

Plants

Name _____





Across:

2. Plants need sunlight, air and ____ to grow.
5. the pretty, colorful part of the plant
6. These grow off of the trunk of a tree.
8. carries water and food to the rest of the plant
9. the food we eat that is made by some plants like apples

Down:

1. These help to make food for the plant by using sunlight.
3. powdery substance in the middle of a flower
4. All plants start as ____.
7. holds the plant in the ground