Po Kok Primary School



General Studies
Science Day
Germination of Mung Bean
P.2 (B)

Name: Gurung Bhumi



Germination of mung beans

Aims:

- 1. Learn about the growth process of a plant.
- 2. Find out the basic needs of plants.
- 3. Observe the growth of plants and record the results.
- 4. Describe the germination process of seeds.
- 5. Develop a caring attitude towards plants.



Things students known:

- 1. The main parts of plants.
- 2. Functions of different parts of plants.



Introduction

Most of the plants have seeds. We can grow plants from seeds.

Method

- Place some wet cotton or tissue and a mung bean into a glass or a cup.
- 2. Expose it to the sun.
- 3. Observe the changes every day.
- 4. Put some water if the cotton is dry.
- 5. Measure the size and record the result.
- 6. Hand in the plant and the report 10 days later.



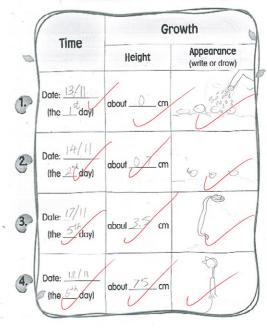




Reference books

- 1. Watch it grow for young gardener
- 2. Growing plant





Growth record of mung beans

-	(-:	Growth		
	Time	Height	Appearance (write or draw)	
	Date: 19/11 (the Zhay)	about 14 cm		
	Date: 25(1) (the 13"day)	about 22 cm		
	Dale: 26(1) (the 140 day)	aboul _23/cm		
	Date: 1/12 (the 19th day)	about 24 cm		

Result Can you germinate the mung bean? Conclusion Try to think: What do seeds need to germinate? Plants need_ and sunlight to germinate and grow. Try to think: What else do you want to learn about plants? Further self studies: http://www.ehow.com/growing-plants/# http://eslah.K12.ua.us/SOAR/SciProj2002/MichelleC.html

http://www.alibaba.com/product-gs/251964439/Green_Mung_Bean.html

Critical Thinking Zone

1. If you want the mung beans to grow healthily, what should we

do?

2. Why do we need to measure the size of the mung beans and

record it?

3. If the mung bean grows slowly, what problems may it have?

water.

4. If you have 20 days to grow the mung beans, what will you

observe?







Parents' Evaluation

	Performance					
What do you think?	Strongly agree	Agree	Need to work harder			
My child has put effort on doing this project.	/					
He/ She can follow the steps to grow the mung beans.	· <					
He/ She can observe the growth of the mung beans.	\checkmark					
He/ She can record the information correctly.	1					

arents'	Comment:	Rhumi	Can

Parents' signature

Peer Evaluation

	Performance					
What do you think?	Strongly agree	Agree	Need to work			
My classmate has put effort doing this project.	V.					
He/She can follow the steps to grow the mung beans.						
He/She) can observe the growth of the mung beans.			*			
He/She can record the information correctly.						

Classmate's signature: Decon

Self Evaluation

Did you do well in the science project? $\,\,$ Circle the appropriate options.

_							
Т	about	the	arouth	process	of	0	nlant
т	 about	1116	growin	pi ocess	01	u	piani.

a understood b. understood some of c. did not understand

2. I think my performance was ______.

a good b. average c.poor

3. I _____ this activity.

enjoy b. don't enjoy



A. How did you feel after doing this project?

feel happy and onjoy,

B. Colour the smiling face to show how you like the activity.



Teacher's Evaluation

Aspects		Performance			
of	Details	Very	Quite	Try	
evaluation		good	good	harder	
	Know about the growth				
Knowledge	process of a plant.				
Knowledge	Identify the factors affecting	,			
•	the growth process of a plant.				
	Mark:		2		
	Use the numeracy skills when	. /			
	measuring the height of plants.				
	Develop self-study skill when				
Skills	surfing other websites.				
010	Develop the collaboration skills	/		-	
	Present one's ideas effectively.	/			
	Mark:		3.5		
	Accept others' opinions and be able to cooperate with others.	/			
	Solve problems effectively				
Attitudes	during the process.	V			
	Record the results truthfully.	V			
	Develop a caring attitude	. /			
	towards plants.				
	Mark:		4		
	Total mark:		9	5/10	