Po Kok Primary School



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

Name: Ameena



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

- 1. 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



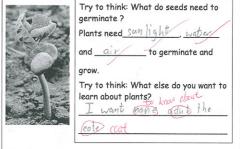
1	Time	Growth			
0		Height	Appearance (write or draw		
	Date: 13-11-2014 (the <u>1st</u> day)	about cm	0		
2	Date: 14-11-2019 (the 2rd day)	about cm	8		
3.	Dale: 15-11-2014 (the 3rd day)	about_4 cm	É		
9	Date: 16-11-2014 (the <u>4+1</u> day)	about 5 cm	\$		

Growth record of mung beans

	Growth			
Time	Height	Appearance (write or draw)		
Date: 17-11-2014 (the 5th day)	about 6 cm			
Date: 18-11-219 (the <u>6th</u> day)	about 8 cm			
Date: $19-11-70.14$ (the $2^{\frac{1}{12}}$ day)	about 116 cm			
Date: <u>20 - 11 - 2014</u> (the	about_15_cm	01010		

Can you germinate the mung bean? Yes Why? | put wat with the cup

Conclusion



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

If you want the mung beans to grow healthily, what should we
do?

Expose it to the say

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

To know the growing process to the stant.

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

Not enough water and sunligh

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

I will observe the height of the plant





Parents' Evaluation

		Performa	nce		
What do you think?	Strongly agree	Agree	Need to work harder		
My child has put effort on doing this project.		11			
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.					

Parents' Comment:	Keep	μρ	K	good	work	0	
CONTRACTOR CONTRACTOR		,		,			

Parents' signature:

Peer Evaluation

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

Classmate's signature:	Sardip

Self Evaluation

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

- 1. I understand about the growth process of a plant.
- a. understood b. understood some of c. did not understand
- 2. I think my performance was _____ acod
- a. good b. average c.pool
- 3. I enjoy this activity.
- a. enjoy b. don't enjoy



- A. How did you feel after doing this project?
- I feel very excited
- 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	
Knowledge	Know about the growth	/			
	process of a plant.	1			
	Identify the factors affecting				
	the growth process of a plant.				
	Mark:			2	
	Use the numeracy skills when	1			
	measuring the height of plants.	/			
	Develop self-study skill when			,	
Skills	surfing other websites.				
Onno	Develop the collaboration skills		/		
	Present one's ideas		1		
	effectively.				
	Mark:			2	
	Accept others' opinions and be	1			
	able to cooperate with others.				
	Solve problems effectively	1			
Attitudes	during the process.				
	Record the results truthfully.	/			
	Develop a caring attitude	/			
	towards plants.	/			
	Mark:			4	
	Total mark:			/ 10	