

Practitioner Inquiry Project 2014 Learning Vision-NCS





## Description of the Inquiry

## Origins

- My team and I decided to concentrate on an LV process that I do not have much experience in producing independently yet.
- The major curriculum component I was handling at the time was Math Quest.
- Designing learning corners was a good opportunity to exercise understanding of the LV-curriculum.
- Also promotes the independent learning LV advocates.
- Provides me the teacher with another tool to aid in assessing children's learning.



## Description of the Inquiry

### Aim

- Develop a process in designing Math learning corners
- Encourage conscious and purposeful planning
- Provide different levels of activity to explore a concept and support children's extended independent learning.
- Aid teacher in assessing children's progress



## Description of the Inquiry

## **Details of the Project**

## **Study Group**

K2 Class, 12 children

### **Duration:**

**August to October 2014** 

# Support from PIECE Workshop



### Provided Structured approach - from PI Cycle:

- Planning
- Execution
- Evaluation
- Reflection

### Grant

acquiring the tools we needed to execute the project

### **Encouraged Collaboration**

Mentoring



#### **Phase One**

- 1. Pre-Activity interview and Readiness Chart
- 2. Diagnostic Test –Developmental Milestone Checklist
- 3. Plan individual goals (after initial interview and learning corner)
- 4. Plan supplementary learning corners (based on individual goals)

#### **Phase Two**

- 1. Children to utilize learning corners
- 2. Teacher to do observation and anecdotal recording
- 3. Documentation

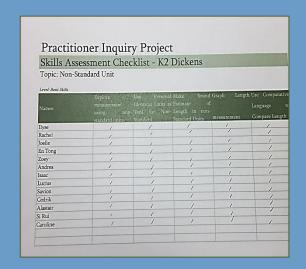
#### **Phase Three**

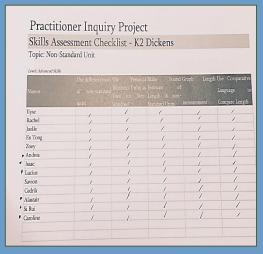
- 1. Developmental Milestone checklist part 2
- 2. Anecdotal records on progress
- 3. Post activity interview
- 4. Assessment



## **Phase 1: Pre-Activity Assessment**

 Teacher will use a Skills Checklist (from LV curriculum guide) to serve as a diagnostic test





	01	111 770	D: 1		
Skills As	sessment Che	ecklist - K2	Dickens		
Topic: Non-	Standard Unit				
Level: Intermediate Skills  Use different tools Use Personal Make Sound Graph Length Use Com					
Names					
					Language
					Compare Le
Ilyse	1	/	/	1	-
Rachel	,	1	/	/	1
Joelle	1	1	/	1	/
En Tong	,	1	,	/	/
Zoey	,	/	/	/	/
Andrea	/	1	/	/	/
Isaac	/	1	/	1	/
Lucius	1	1	1	/	/
Savion	1	1	/	/	/
Cedrik	/	1	/	/	/
Alastair	1	1	/	/	/
Si Rui	1	1	/	/	/
	1	1	/	/	/

#### \*Rationale:

To help teacher create an intentional activity in the learning corner and assist individualized learning



## Phase 2: Activity

### **Differentiated Activities**

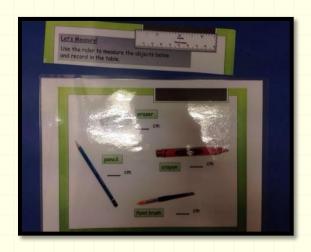
- Teacher designs activities with different levels and complexity to let children explore the given concept.

#### \*Rationale

To provide different levels of learning and to encourage a wider scope of outputs that will showcase children's learning, and will be supportive of their innate creativity.

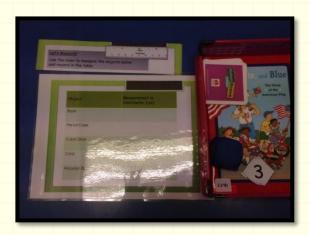
# Children at the Learning Corner







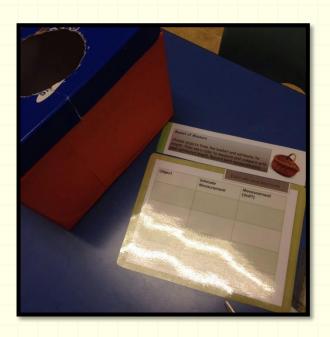
**Basic Level** 





# Children at the Learning Corner







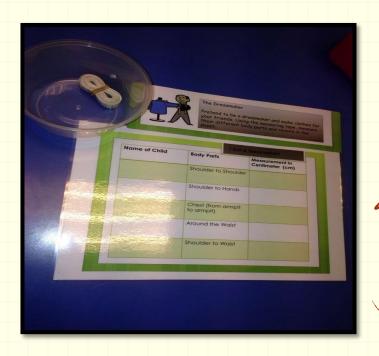






# Children at the Learning Corner





### **Advanced**





## Post-Activity Assessment

### **Differentiated Activities**

- Teacher will use Skills Checklist (from LV Curriculum) again to check children's progress in skills.

#### \*Note:

Teacher use anecdotal records help assess children's progress Teacher may use conversations and questions.

#### \*Rationale

- To provide assistance for teachers to gauge a quantifiable learning and aid in assessing progress.
- To note abstract learning.



### Alterations

We took out the Pre-Activity Assessment as it was not proving to be much efficient at the time. Children have not yet been introduced, or have explored the given concept yet.

# How It Helped Me As A Practitioner



- Equipped me as a teacher
- Recognize and utilize a process I can use to tackle a challenge or improve existing process
- Responsive Practitioner
- RESPOND. Not letting everyday learnings to just sleep and be put on the shelf.
- Developed more active collaboration with colleagues
- Helped me cultivate teaching mindset that is Child-Centric



## Continued Practice

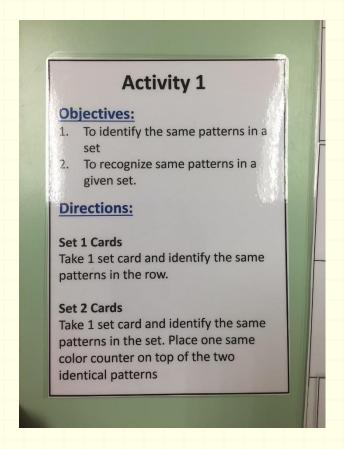
**TOPIC:** Patterns

- Activity 1 Identify Same Patterns in a Set
- Activity 2 Extend A Pattern
- Activity 3 Free Activity: Create Own Pattern Using Various Materials

# Math Learning Corner for Patterns



Level: N2

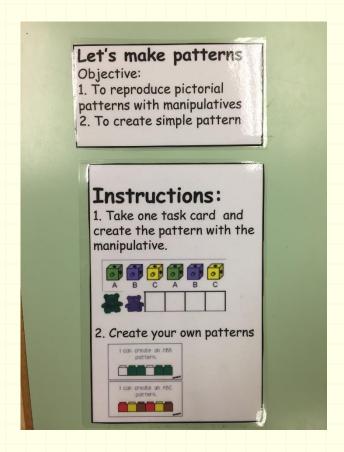




# Math Learning Corner for Patterns



Level: N2





# Math Learning Corner for Patterns



Level: N2

### **Activity 3**

### **Objectives:**

- 1. To create own pattern
- 2. To enhance creativity using concept understanding

### **Directions:**

Explore the different art materials and create your own patterns.



## Benefits of Pl

- Practitioner Inquiry (PI) an active research and more than just an academic exercise
- Promote innovation in practice and curriculum
- Ensures continued professional development







"If there is a question in your heart, let it take you to an adventure."

PI is our footprints to the problem-solving process in Education.

-Dr. Melinda Ong, PIECE Mentor





# Thank You!