DOCUMENT RESUME

ED 464 732 PS 030 350

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TITLE Implementing Project Approach in Hong Kong. Preschool.

INSTITUTION Salvation Army Child Care Services (Hong Kong).

ISBN-962-7628-60-3

PUB DATE 2001-11-00

NOTE 123p.; Sponsored by Quality Education Fund, Hong Kong.

AVAILABLE FROM Salvation Army Child Care Services, 11 Wing Sing Lane, 5/F,

Yaumatei, Kowloon, Hong Kong. Tel: 852-2783-2201; Fax: 852-2385-0828; e-mail: roseho@ssd.salvation.org.hk.

PUB TYPE Reports - Research (143) -- Multilingual/Bilingual Materials

(171)

LANGUAGE Chinese, English

EDRS PRICE MF01/PC05 Plus Postage.

DESCRIPTORS Action Research; *Early Childhood Education; Foreign

Countries; Multilingual Materials; *Preschool Children; Preschool Curriculum; *Preschool Education; *Professional Development; Program Descriptions; *Student Projects;

Teacher Student Relationship; *Teaching Methods

IDENTIFIERS Emergent Curriculum; Hong Kong; *Project Approach (Katz and

Chard)

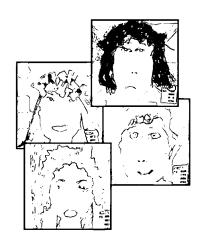
ABSTRACT

The primary objective of this action research was to shift the teaching method used by preschool teachers in Hong Kong from a teacher-directed mode by training them to use the project approach. The secondary objective was to measure children's achievement while using the project approach, focusing on their language ability, social development, and self-initiated learning. Teacher supervisors received training on the project approach, including training in brainstorming, questioning techniques, drama and learning, and emergent curriculum. Participating in the action research were 12 children from 3 experimental centers. Data were collected by videotaping classroom activities and reviewing teachers' journals, children's portfolios, and project books. Findings suggest that children became more capable in language comprehension and expression as they carried out their own project work. By the end of the classroom project, 87 percent of the class showed interest in the project and 35 percent were able to generate solutions to problems. Over half the children were able to cooperate with classmates at the end of the project, and 86 percent were eager to participate in group activities. Examination of the project books showed that teachers were moving from a teacher-directed mode to a more children-directed paradigm. Teachers' journals noted that teachers became more aware of giving children ample opportunities to explore and to learn from their own mistakes. (Contains 18 references.) (KB)



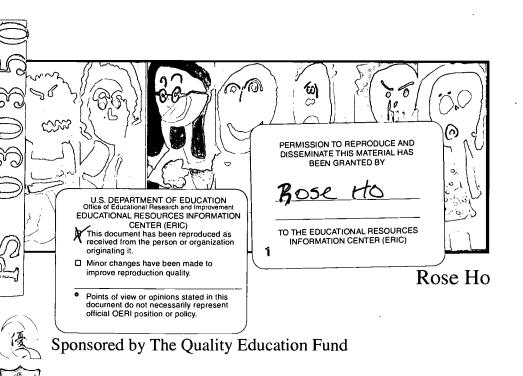
PRESCHOOL





Implementing

PROJECT APPROACH IN HONG KONG



Le Salvation Army Child Care Services

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PRESCHOOL

IMPLEMENTING PROJECT APPROACH

IN HONG KONG

Rose Ho



This book is published by The Salvation Army Child Care Services 11 Wing Sing Lane, 5/F, Yaumatei, Kowloon, Hong Kong.

Sponsored by
THE QUALITY EDUCATION FUND, HONG KONG
&
THE SALVATION ARMY CHILD CARE SERVICES

Printed in Hong Kong ISBN 962-7628-60-3

First published November 2001

Author: Rose Ho

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Cover : Project "Emotions" drawings by five-year-old children at The Salvation Army Nurseries http://ccs.salvation.org.hk



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FOREWORD

The teachers and Child Care Services staff welcome the Quality Education Fund project 1789. It is a Quality Circle Project in action.

With the project, some new areas and ideas for exploration have been found and need more in-depth study. The research has reaffirmed that Project Approach teaching definitely has positive effect on teaching and learning, for both students and teachers. Exhibition-on-Wheels also gained support from parents. Although there is quite a number of staff changes in the QEF project, they are immediately recruited at the right time for the right type of work and the staff turn-over is a blessing in disguise.

This book has two parts. The English part is mainly a report of the project on Training, the Action Research, the On-line materials etc.. Interested party may find the training notes useful. Action Research has been a favourite subject in schools and many are floundering in how it could be carried out. The statistical results may be a proof but the most important result is how it can help the teachers to teach better.

The part of the book in Chinese is not exactly a translation of the English section. It has its own titles and contents. It has incorporated some of the other unpublished articles written by me. It has also included notes that could be useful to teachers and parents. It also focuses on the actual implementation of the Projects in our classrooms. However, the Action Research Report has been translated in full. I hope readers will find the projects and guidelines valuable.

Rose Ho



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ACKNOWLEDGEMENTS

We thank the Quality Education Fund and The Salvation Army for the financial support of the project.

Heartfelt thanks to the participating staff and children of The Salvation Army Nurseries to make this colossal project possible and completed on time.

I also thank Miss Winnie Koo for translating the research into Chinese and compiling the report in a book-form for publication. Miss Emmy Chung and Peggy Chung have helped also.

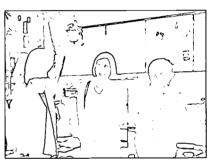
Special thanks to Dr. Nirmala Rao who served as consultant to our research. The monitoring team has also given advice and support for the project of Implementing Project Group Work, a project funded by the Quality Education Fund from 1998 to 2001. Thanks are also given to our nursery supervisors, especially Miss Leung Yuen Shan, Miss Ada Cheung Suk Lin, Miss Ivy Lai Kar Man.

We also appreciate the stimulating talks of Professor Lilian Katz and Dr. Sylvia Chard on Project Approach in the seminars held specifically for our staff in The Salvation Army.

Dr. Raymond Lam of the University of Hong Kong, Dr. Sylvia Opper and Dr. Lorna Chan of the Institute of Education, are people we would like to thank too for their support to our Project.



Dr. Raymond Lam - The University of Hong Kong & Mr. Fung Man-Wai-Promotion and monitoring Subcommittee of the OEF.



Dr. Loran Chan - The Institute of Education.



Lt. Colonel Ian Southwell - Officer Commanding of The Salvation Army.

Intensive Training on Project Approach





Professor Lilian Katz talking on Art of Questioning

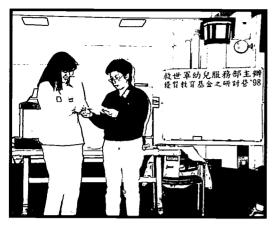




Dr. Sylvia Chard after a day's seminar on "Emergent Curriculum" with staff of Child Care Services







Initiation of Project at Overnight Camp in Stanley













Training Workshop (1) --Listening to Children









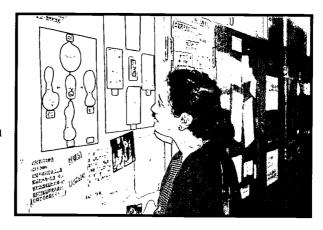


Training Workshop (2)
-- Emergent Curriculum and Creative Drama

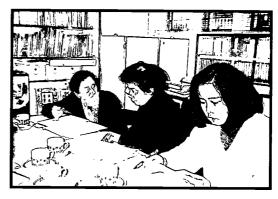


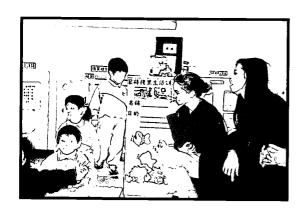
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Action Research on Project Approach













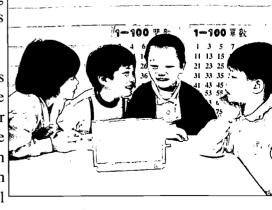
THE SALVATION ARMY CHILD CARE SERVICES Implementing Project Group Work Project Report

Project Objectives

The primary objective of this project was to shift teaching from a T. teacher-directed mode to a less teacher-directed mode. In order to achieve this, a training programme was provided to upgrade the skills of teachers in implementing project work. An Action Research was also carried out to validate the effectiveness by measuring both the performance of teachers and children. The support team had reported that teachers became increasingly aware that they should not give the answers too fast and more time and opportunities should be given to children to initiate their own learning. The projects that they completed also proved that teachers were moving from a teacherdirected mode to a more children-directed paradigm, in a continuum. As reflected in the Research and the latest project books, the children were greatly interested in their learning and engrossed in the projects. The teachers pointed out in their journals and reflections that they became more aware of giving children ample opportunities to explore and for children to learn from their own mistakes. The primary objective has been achieved to a great

extent due to intensive training and support-team's continuous monitoring and discussions.

II. The secondary objective of this project was to measure the achievement of children under the Project Approach. The Action Research focuses on children's attainment in language ability, social



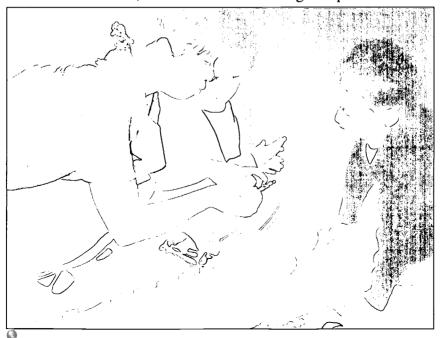
development and self-initiative learning. The results did show favourably



in these aspects.

- a) From the projects, children are seen to take charge of their learning and made impressive presentation to parents and visitors. These are recorded in the Action Research projects and more fully documented in the projects in 2001.
- b) The curriculum has been an emergent one and this reflects the flexibility of the teachers. Unusual topics like the "Football Team" are included. Creative teaching and learning are more easily seen as teachers could not follow their usual pattern of organizing how to teach such a topic. There is no such topic before. This is relevant to Edward De Bono's lateral thinking.

Even with the usual topic of "Shoes", children have unusual findings as they revisited the topic and asked questions of real interest to themselves and then tried to find the answers in many different ways. By exploring the sub-topics, an emergent curriculum has arisen. However, the core values of learning to express themselves,



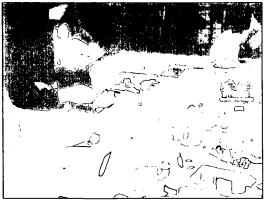
to communicate with others, to be co-operative, and to persevere with problem-solving were still upheld.

The knowledge has deepened and widened tremendously through the project approach as seen in the various projects accomplished.

c) The teachers have been displaying their teaching of the projects to the parents as adults in most of the projects. They have also seen the various displays of the "Exhibition-on-Wheels" and learned to display more photographs with less words and more children's work. They were told to emphasize work-display with mirrors, raised dais, flow of sequence and the use of colours and shelves. Teachers still have to learn to write synopsis and not just words spoken by children without much screening and analysis of its implications. The three Quality Education Fund Expositions have helped teachers to communicate with the public what teaching and learning is about. It is another level of display for mass communication.

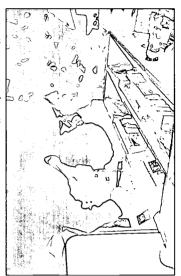
Indeed, the Project Approach is not just for demonstration but for practical use in our classrooms throughout the three years in all our fifteen nurseries.

d) A lot of documentation has been made, both in the notes taken in the Training Sessions and in the Project Recordings and Research documentation.



The Salvation Army Child Care Services tried not to burden the teachers with the additional clerical work and co-ordination. It is when their specific professional help is needed then teachers are seconded to participate in the research in helping to lead the students in project work and we provide the support

in taping. The QEF staff did the data-input and compilation. Only two volunteer raters from the teachers' group were seconded in the afternoons to help in the inter-rating. From our experience, teachers appreciated the intensive training in year I and early year II and asked for more in-service training. Teachers in the Research Group were eager to participate and wanted us to involve them and feedback was taken seriously. Teachers' journals were kept as regular practice and they appreciated our feedback to improve their skills and to reaffirm their approach being in the right direction.



In subsequent months, more feedback would be given to the teachers and supervisors not only in the research group but also all our other operating nurseries. We wait till the Final Report is in print and teachers would have a text to refer to when we continue to train them.

The Salvation Army Child Care Services are assisted by the selected nursery supervisors who are the Curriculum Subject Group Leaders so that involvement is maximized.

The Quality Circle Concept has been practised in The Salvation Army Child Care Services since the 1980's. The co-ordinator is very interested in improving the Curriculum for the Pre-primaries. Such enthusiasm is shared by the nursery supervisors/principals. The group has led a mass of teachers in our employ. They take pride in leading the field in pedagogical improvement.

Training Programmes

1. Overnight Camp

It was the first time that the supervisors have had the experience of going through the process of conducting a project on site themselves. They were divided into groups and did their brainstorming, resulting



in a web. Then they explored the Maryknoll House according to their selected topic and had a good sharing session with comments from the Project Leader as mentor.

The supervisors and assistant supervisors found the first-hand experience useful. Upon their return to their nurseries, they led the teachers through the same experience.

The camp was held to explain to all supervisors and assistant supervisors of the three-year project and the objectives so that all staff are involved and have ownership.

The supervisors learned the process of Project Approach, viewed the Reggio Emilia project "Lion" video in 1998. This video was shown again in 2001 at City Hall at the Reflections on Reggio Emilia Exhibition

A teacher from the Hong Kong International School, Mrs. Jane Elliot, who had been doing projects and guided by Professor Lilian Katz, shared her classroom experience with children on "Shoes" and she elaborated on nurturing the dispositions of children.



Supervisors and teachers were involved in the project. Supervisors then carried out similar minicamps with the centre teachers during the Chinese New Year break in early 1999.

2. Listening to Children

A guest lecturer, Mrs. Yau Ng Li Tuen was invited to speak to all 200 of our teachers. The seminar was activity-oriented. The teachers played the role of a speaker and a listener in turn. They were asked to share a memorable experience with their colleagues. In the afternoon,



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it was devoted to train teachers in Divergent Thinking as this is an important element in carrying out Project Approach. Teachers underwent brainstorming for as many questions as possible on a selected topic of their groups. There were 14 groups and 26 questions, it was the highest recorded number of questions raised by a single group of teachers within a short-time on one topic alone. It was quite an achievement.

3. Art of Questioning

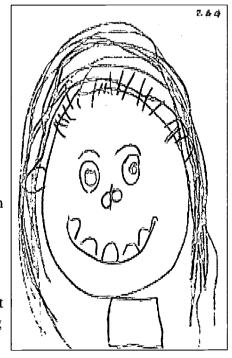
Professor Lilian Katz talked on principles of good teaching and the Art of Questioning by teachers as one. We need to teach children how to tell adults of what they are thinking. "Would you give me an example?", "Can you repeat that?", "Could you tell me about this in other words?" These are opening questions that Professor Lilian Katz showed us:

- How things work?
- Where do things come from?
- What is involved?
- Who does what in our project?
- What are the tools?
- How do things happen?
- What are things made of?
- Why do things happen?
- Why do things not happen?
- How do things change?
- What caused them to change?

Teachers should refrain from asking a child just "What is it?" but invite him to "Tell me more about it."

4. Workshop on Drama as Emergent Curriculum II

Since the cumulative activity of Project Approach very often ends up in having children dramatising their learning





besides making the 3-D models, Ms. Maria Lee of IVE, was invited to conduct a workshop on Drama and Learning by the Dorothy Heathcote Method.

The teachers were led through the process of dramatization of crisis-intervention systematically. Making-decisions and recalling past experiences made the participants more involved in their roles. For this case, empathy for the disabled was the outcome desired. The facilitator summarized the experience with the participants, helped them to focus and to analyze what happened. It worked very well with the group. With the young children, teachers have to adjust and make selections. It was a very good experience for the teachers, particularly in the well-organized process of conducting the activity. It may go well with the training "Listening to Children" for the teachers too.

5. Emergent Curriculum I

Dr. Sylvia Chard and Professor Lilian Katz spoke on the above topic in related ways. Professor Katz said that a theme could easily be converted into an interesting project. One should allow one's imagination to roam. Teachers should give children the chance to choose the topic. It can be the interest of a class, a small group or even an individual project, at first. An individual's project may get the whole class interested later at times. If the teacher does not know much about the topic, it is a good opportunity to explore together with the children needs and not to be afraid of it and drop it instead.

For emergent curriculum, it is important to know how to choose a good topic for in-depth study.

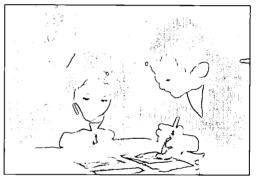
- Study something real for exploration and animated discussions.
- It gives opportunities for children to interact directly, to have cooperation, a debate, or to argue and negotiate, make suggestions, explain, or encourage others.
- The project work must be purposeful and meaningful to the children.
- It is not too broad that it does not give any direction for pursuing the topic.



- It gives opportunities to find out information, making predictions and theories, checking predictions.
- o It nurtures dispositions and empathy skills etc..
- o It offers writing skills, applying mathematical skills.
- It can help children to represent ideas in different ways.
- Teachers can analyze their work with the children and document them.

On the other hand, Dr. Sylvia Chard showed slides for the projects of the "Rain in the city", "The changing colours of leaves, dried leaves

and green leaves, the differing yellow tones", and "The changing of light and shadows from morning to evening". These are examples of Emergent Curriculum of studies that children chose and are interested in exploring with immense learning occurring naturally in the process.



Upon our requests for basic skills as foundation for children, she did a brainstorming exercise and we recorded: expressing oneself, problem-solving, self-care, mathematical concepts, independent thinking, cooperative and socializing skills, aesthetic skills, leadership skills etc.

The Emergent Curriculum is a result of the self-learning initiative of children and topics and learning emerge from the various activities. It becomes consolidated by revisiting the findings, by dialogue with the children, discussions with the group, systematic documentation and presentations and explaining to others.

We have emphasized on the process of learning and focused on helping children to sharpen their skills in learning to learn.



Outcomes

Product <1> — Training Package

The most beneficial part was the Comprehensive Staff Development Program that had been achieved. Professor Lilian Katz and Dr. Sylvia Chard were invited to lecture to our staff through a joint venture and their notes have been documented.

Product <2> — Project Books Set

14 of the Project Books are submitted.

Product <3> — Action Research Paper Summary

The experience of the Action Research is valuable in showing us how to do it systematically and in future to avoid the traps. The findings, to a certain extent, support our beliefs that children's language, social development and self-learning become prominent in Project Approach. It also shows that the Project Approach can be applicable to Hong Kong by being carried out in small-group-teaching as a combined programme.

Product <4> — On-line Hard-copy

On-line information disseminating the details of the projects such as documentation of training seminars and workshops, action research method and results and descriptions of projects are available.

Staffing

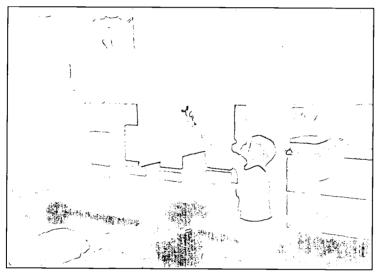
Clerical support (10/1998) is needed in the beginning to start the project. Then an opportunity arose (10-12/1998) to hire a temporary research officer to design a pilot-project to test the original research design in the proposal. It resulted in a change in the design for 2000. Then the clerical support is combined with the project assistance/co-ordination done by one Project Officer. Much training is organized from 11/1998 to 12/1999 with the "Exhibition-on-Wheels". As the Project Officer who is a clerk cum Project Assistant has not done Research work, she decided to



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resign for further study in 2000 after two years with our project. Then we were able to recruit another Project Officer and Project Assistant to help with the research and data-analysis. The data have been entered by another timely summer worker.

We were able to complete the whole project in 2001.







Action Research on Project Approach

1. INTRODUCTION

The research was a sub-project of a three-year project supported by the HKSAR Quality Education Fund. The first year was for the further training of teachers in the Project Approach¹. The second year was for the research of effectiveness of the Project Approach in selected areas. The third year was for putting results of the three-year project on-line.

The reasons for carrying out such research were mainly prompted by the prevailing pressures from parents and teachers to have academic results no matter what teaching method one adopted.

And yet, the Project Leader had her pangs of doubt because the urge to implement the Project Approach was due to its spontaneous responses to children's learning and the Approach focuses much on the images of the child and their capacity to learn. This approach differed much from the conventional teaching by detailed lesson plans with the educational objectives set by the teachers. The Project Leader was first drawn to the Project Approach by reading about Vygotsky in "Engaging Children's Minds" in which he was against standardized tests for young children. The Project Leader agreed with him. However, the Project Leader was still tempted to try using conventional research methods to measure Reading and Writing within the realm of Project Approach.

This Action Research aims to:

- 1. find out children's attainment in a) language ability, b) self-initiative learning, c) social and cooperative skills.
- 2. find out the change of teaching styles in teachers from being teacherdirected to less teacher-directed.

l The Project Approach is translated by The Salvation Army Child Care Services as "計劃活動教學" and the Education Department as "設計活動", Project Approach is for children to do an in-depth study of a project, emphasizing self-initiated learning. It was termed by the Education Commission as "專題研習".



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2. METHODOLOGY

2.1 Subjects

Only 4 children were selected randomly from N4 (age 5) from each of the three experimental centres. The sample size was only 12. Dr. Nirmala Rao of the University of Hong Kong who assisted much in the design of the research, said that projection would be appropriate and we needed to control the quantity of data. In future, we can apply the Revised Action Research Method to all our 16 centres for pre-primary aged children. The 3 centres were selected to represent levels of Project Approach teaching based on the output of their project books in February 1999 and past performances rated by The Salvation Army supervisors. Centre 3 was graded A for best performance, Centre 1 was B for average performance and Centre 2, graded C was of lower than average performance in carrying out Project Approach.

2.2 Checklist Design

The checklist was designed by The Salvation Army Child Care Services following the advice of Dr. Nirmala Rao of the University of Hong Kong. It was designed to measure three particular aspects in child development, namely, language ability, self-initiatives and social development.

2.3 Data Collection

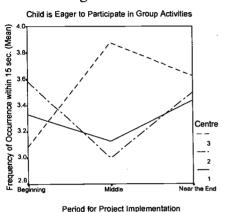
In the research, data were collected by different methods. The main method was videotaping classroom activities during which Project Approach was carried out. Then group work recordings, teachers' journals, children's individual portfolios and project books were documented to serve the purpose of quantitative and qualitative analysis.

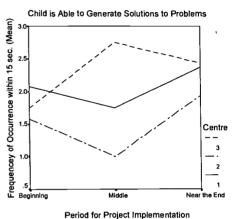
2.4 Data Analysis

Quantitative analysis was used to analyze the data collected from the checklist. The checklist was comprised of numerous items with each item describing the performance of the children in different aspects. Based on the videotapes, raters had to first measure the frequency of



occurrence in a particular item. According to the frequency of occurrence, they had to determine the marks each child scored in each aspect using a 5-point scale. On the other hand, qualitative analysis was used to reflect changes in teachers' attitude.





2.5 Research Process

2.5.1 Videotaping

Systematic videotaping observations in the classrooms were made of the subjects. Teachers reflected on the behaviours of the child's learning and their own teaching in their journals.

The videotaping was made at the beginning stage, in the middle and near the end of the project. The subject was videotaped. The taping was done in rotation. First at Centre 3, then 1, then 2, according to the schedule of the centres. Each class was videotaped 5 times, 15 observations in all. Two video-cameras were used. Camera 1 focused on the whole classroom atmosphere and the teacher, Camera 2 on the subject child.

Sequential time sampling was used to focus on the child for 10 minutes at a time. Videotaping in the order of child A, B, C, D and then A, B, C, D.

The original design was to focus on each child for one minute at a time but the teachers said that it was too frantic and too short an interval.



The Project Leader wanted to desensitize the subjects to the videocameras and also for the team to try out the method. So a proto-type videotaping was made; focusing first on the children, not on the teacher. The taping lasted for 15 minutes for each child since one minute was too short.

The second dry-run was for 10 minutes and the team started to tape the teacher, and the child. The third taping focused on the child for 5 minutes, repeating twice in the sequence of A, B, C, D; A, B, C, D.

The fourth taping was at random and so was the fifth. After the third taping, a review meeting was held and it was decided that the 10 minute-taping was optimal. The fourth and fifth taping interval was then changed to 10 minutes in the sequential time sampling.

Then there was a second version for the third time videotaping. Since we could mobilize our own staff besides the QEF contract staff, we asked one experienced child care worker to tape the teaching in leading the group project and discussion. Another experienced teacher was to tape the classroom situation as they carried out the Project Approach teaching. If there were special activities, the supervisor, who had been trained more in depth in the Project Approach would tape the activities. The Project Officer just taped the subject child at intervals of 10 minutes in the sequence of A, B, C, D; A, B, C, D. There were usually 2 cameras in the room with a third when the supervisor also videotaped.

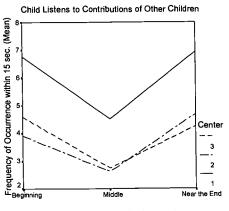
Even at the risk of over-documentation, as we rarely do research formally, we had asked the centres to select 4 more children as subjects, 2 males and 2 females, naming them Child 1, 2, 3, 4. The added data collected would be used to supplement the first research data analysis if necessary. The subjects were selected at random this time. The first research aimed to have random sampling but ended up with matched subjects for their age maturity.



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There was still a third version for the fourth time videotaping, with 3 cameras at one time in the classroom. Each subject child was taped for 10 minutes in A, B, C, D; A, B, C, D. Another Camera 2 tape 1, 2, 3, 4; 1, 2, 3, 4, Camera 3 taped the class. Teachers had reflected that when the tape just showed the interaction of the teacher and one child, the rest of the group were also engaged in the meaningful activities and should be taped too.

The taping method of the teachers was completed in two sessions as designed by Emma Jones, a Ph. D. recent graduate under Dr. Rao and supposedly there were adequate data collected for analysis of teaching styles appropriate for the Project Approach. The tapes of the teachers were not for comparison of before-and-after effect, since there were only taping of the going-ons during the project and not prior or after the Project Approach was adopted for comparisons. At any rate, it was not efficacious to tape the "before" and "after". It is also not ethical to teach some students with Project Approach and learn some out even for experimentation in our own centers. All our children have been exposed to the Project Approach for over four years. In my opinion, the George Foreman's method of analyzing the "present ordinary moments" in the Project Approach could be more effective.



Period for Project Implementation

Period for Project Implementation



There is a lot of learning in the methodology in carrying out this Action Research. There are also the teaching and training of teacher aspects which are to be dealt with in-depth in other papers. The way to carry out such a research is new, at least to many pre-primary teachers. It is opportune that the management is interested in the research and for the Quality Education Fund to provide the financial support. The timing is also right for the teachers and supervisors who are at a stage ready to be involved in research of this nature.

The following is a summary of our learning:

1. The videotaping was quite a hassle with lots of adjustment in the process as expounded in previous paragraphs.

1.1. In taping

The original design was for one of the teachers to videotape the teaching sessions since there were two teachers in the room. However, this would differ from the usual teaching pattern with two teachers in partnership. It was decided to have another person to do the taping.

From the second taping, an experienced teacher from other classes was seconded to do the videotaping as she would know how to catch the moments of children in their attempts in learning.

1.2. Taping environment

For the first time taping at Centre 3 and Centre 1, when the Project Leader viewed the tapes, it was too noisy to hear the children's responses and that of the teachers.

So when the third time taping was made, the group doing the Project work was transferred to another empty classroom to continue with the discussions and work.

- 1.3. What we need to heed in videotaping:
 - a. Mark the time and date in the videotape.
 - b. Make sure that the background is clear and not cluttered so that what will be shown on the screen is clear. This is the technique of photography and getting the right angle.



- c. Do not just focus on the child or the teacher. The viewers need to know what is happening too. If a child is talking to the teacher or to another child, include the two in the frame. The viewer will know whom he is talking to and the reaction thereof.
- d. Note the date, time, interviewer, interviewee, the activity that is being taped, at what point of the project it is and record it for future research references.
- e. When the small reel is changed to a big reel of films, do not edit any part. Edit only a dubbed tape since the original tape need to be maintained for the research analysis or future use.

2.5.2 Inter-rating Training

Two experienced child care workers from two centres not involved in the research were nominated by their supervisors to be the raters. Then a 3rd teacher was added from a centre involved in the research, to see the differences and just to train one more teacher for rating the videotapes. Eventually, as the first two teachers were more comparable in their rating. It was decided to keep to the first two raters only for the purpose of the research.

- 1. At first when a difference occured in the rating, it was mainly due to the different interpretation of the tapes by the two teachers and it was solved after discussions between the raters.
- 2. There were more differences in rating of teachers because the teachers spoke and expressed themselves a lot in the short intervals and one had to be very fast to capture it within the 15 seconds and then to rate for the next 15 seconds. The raters had to understand the situation and select a number of items to check simultaneously. After training, they could cope with it quite well.

2.5.3 Rating Schedule

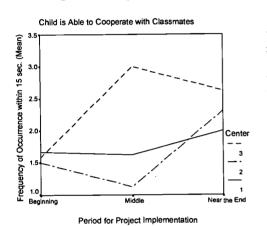
The original design was to rate together in a week, full-day viewing and

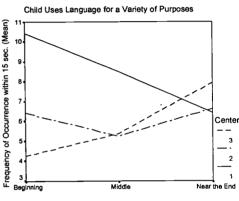


rating the videotapes.

To avoid the factor of tiredness and boredom of the raters, it was changed to half-day rating and extended it to 2 weeks.

The rating by the two teachers took one week in the beginning to rate one centre together. After the rating of Centre 1 which showed interrating reliability, each was given a centre's tape to rate on their own.





Period for Project Implementation

2.5.4 The Checklist

This was crucial. In the beginning of the research, much time was spent on finding a Standardized Tool, which had been tested, for validity and reliability. Finally, it gave way to a self-constructed Checklist with the help of Dr. Emma Jones and Dr. Nirmala Rao.

In completing the Checklist, one need to remember:

- a. Give a code to each centre, child, teacher and class and not to fill in the real name.
- b. In future rating, teachers teaching the same age group from another centre will be the raters and this will be more suitable.
- c. Changes in the Checklist
 A number of items need to be added such as "Responds to contributions of other children", "Child is eager to raise questions on topic".
 Description of Activity was added to every page. Language ability

was scored to cross-check with the ones used by The Salvation Army teachers, the Project Approach Assessment I (PAAI).

2.5.5 Reflections on the Research after the Field Work

1. In taping

- a. The total taping sessions were 5. Each of the centre had a schedule when to do the taping as the Project Officer had to be there. The teachers found it difficult to hold the progress of the project till the videotaping team was in the centre to tape the progress.
- b. To fit the spatial arrangement of the taping, adjustment in the classroom needed to be made to provide a quiet environment in order to catch the words of the child and the teacher.
- 2. In filling out the Checklist, 30 seconds to fill each column was adequate. There were 15 seconds to view the tape and 15 seconds to fill the checklist.
 - a. Children observation: it is better to add the use of verbal language and writing ability to have a more detailed assessment, another research may need to focus on normalizing the scores.
 - b. Teacher observation: Page 2 and Page 3 are to be filled but Page 3 is to be completed only after viewing all the tapes.
 - c. Assessing children: Page 4 and Page 9 are to be filled as the raters viewed the tapes and Page 5 is to be filled after viewing all the tapes.

After rating Centre 1 and Centre 3, the raters found that the children were engrossed and enthusiastic in their learning in the project. The projects had progressed more smoothly and "more naturally, emerging from one activity to another". When the raters returned to their teaching post, they still had the rating checklist in mind and tend to improve their own teaching. They reminded themselves to raise open-ended questions more and to give encouragement to children at an appropriate time and to give more opportunities to children to initiate their own learning. Teachers had to remember to allow enough time for children to make responses,



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before asking the next question or prompt them too fast.

It was not enough to train teachers how to raise stimulating questions at one time. They needed to be trained as good listeners and not bombard child with too many questions at one time.

- 3. Interviews for multiple data
 - Two raters went to interview teachers and children at the respective centres. They recorded the interviews pending further analysis for future training of teachers by the Project Team.
 - 3.1. The Questionnaires were based on the guideline by Dr. Emma Jones and could be reviewed in future.
 - 3.2. Generally speaking, the five-year-old could express themselves clearly and recalled the process of the project. Children might be shy in front of the unfamiliar researcher asking them so many questions and might not speak as much. The inhibition factor was seen in group or in individual interviews when compared with their responses in ordinary days.
- 4. Teacher's journal for multiple data
 - 4.1. The journals showed some reflections and served as anecdotal evidence for children's learning. The journals could be improved as a learning process for the teachers. Comments by the mentor or supervisors were helpful. Centre 3 recorded in the journal some of the difficulties encountered in the project and this showed thinking of the teachers. They reported children tried to overcome these hurdles themselves and initiated own learning most of the time. They needed not wait for any adult's help until it was absolutely necessary to ask for help. Children also knew at that point, help was available. This was one important element that teachers wanting the children to learn to ask for help when necessary so that they needed not be frustrated but felt support was available. This learning would be useful in their adult life too.

Teachers wrote that many a time they were still too quick to give the



answers to children and should give enough time for children to learn and to think of the solutions themselves. Teachers found that it was not easy to hold back but they were learning. Teachers also acknowledged learning to ask suitable questions to encourage children to think. They also reviewed the quality of the immediate responses that they made to children and learned to improve.

Teachers also thought of what was missing in their own projects, and critically looked at one's own work. They learned to improve themselves and not necessarily to be pointed out by their supervisors.

At Centre 2, teachers usually marked down the conversations of the children and reflected on how they led the group and how they had improved too.

At Centre 1, teachers recorded special events of the day and also recorded what they appreciated in the children's work and behaviour and they also reflected on how to improve their teaching techniques as they recalled the problems encountered in the process and raised many questions themselves.

5. Portfolios

At Centre 3: Teachers put in mostly individual child's work during the research for the project under study: "Learning about Electrical Fans". There were some analysis made by the teachers and some descriptions. At Centre 2: Children's work were collected but not classified nor commented on.

The portfolio collected the child's work from different projects. The teachers recorded children's dialogue in transcription but did not analyze their learning before and after the project.

At Centre 1: In the beginning of the portfolio, the teacher made a description of the learning ability of the child and a description of the characteristic of the child for the reader to have an idea of the ability of the child.



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The portfolio has sections on Language ability, Maths, Social and Learning ability.

The portfolio also included works of the child for different projects for comparison of learning.

There were fewer individual work or drawings.

The teacher wrote a brief analysis on the work of the child.

In general, teachers need to learn more on purposeful collection for the Portfolios and make apt comments for future teaching of the child or the group as a whole.

For Pre-primary education, the portfolios should be kept simple. The first type: Best-Work Portfolios serving the targeted purpose of showing the best work of the child/group. The second type is "working portfolio", showing representative work of the child in his learning progress, with milestones. The teacher uses it as a plan for his future learning objectives.

3. RESULTS OF THE ACTION RESEARCH

3.1 Introduction

The results suggest that children in general attain a higher achievement level in three major aspects, namely I) Language Ability, II) Self-initiative Learning, and III) Social and Cooperative skills. These provide empirical evidence to support the belief that Project Approach is a special gift to children for their all-round development. The following discussion will focus on examining the three aspects of the children by using Project Approach.

3.2 Results

The findings present the performance of the subject children on three aspects mentioned above. The performance of each subject child is determined by the scores, based on the frequency of participation in activities related to each specific aspect. A 5-point scale ranging from 1 to 5 is adopted to indicate the level of performance. The higher is the score, the better is the achievement. The performance of children in the three stages of the project is analyzed. The following presentation only



31 33²

shows the average achievement of all the subject children, expressed in percentage of children for each score.

3.2.1 Language Achievement

In measuring the language ability of the children, for limitation of space here, we tend to concentrate on selected items such as their capacity in **Comprehension** and **Expression**. Among the items on the evaluation checklist, the capacity in comprehension is best shown by the item "Child is able to follow teacher's guidance and work independently".

The following figures (Fig. 1- Fig. 3) show children's standard in

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Figure 1 : Comprehension : children are able to follow teacher guidance and work independently at the brainstorming stage

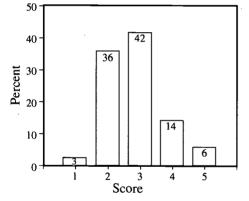
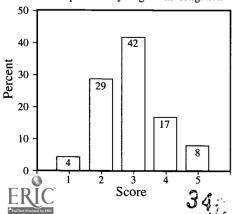


Figure 2 : Comprehension : children are able to follow teacher guidance and work independently at preliminary stage of investigation

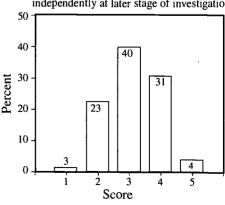


Comprehension at different implementation phases of the project.

As shown in Figure 1, 62% of the children achieved satisfactory performance in Comprehension above score 3. 20% of these children had already developed a comprehension skill at high achievement level for preschoolers.

As the project went on, the children became more capable in language comprehension as they carried out their own project work. Figure 2

Figure 3 : Comprehension : children are able to follow teacher guidance and work independently at later stage of investigation



showed that the percentage of children who had high achievement in comprehension skill rose to 25%, 5% more than the beginning stage.

At the later stage of investigation, more and more children were capable of developing a comprehension skill at high achievement level. Figure 3 showed that the proportion of children having above average comprehension skill had reached 35%, a 15% and 10% increase when compared with the first and second phases respectively.

When it came to Verbal Expression, the item studied was "Child is able to express himself/herself clearly". To be specific, what we meant

Figure 4 : Expresssion : children are able to express themselves clearly at brainstorming stage

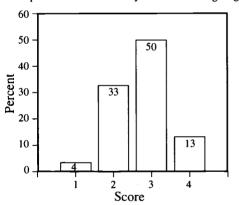
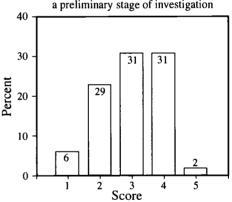
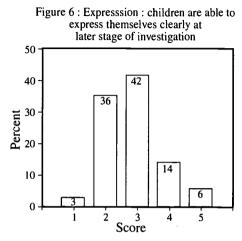


Figure 5: Expresssion: children are able to express themselves clearly a preliminary stage of investigation



by the statement was that children were able to talk about something meaningful in a logical and organized way. In the brainstorming stage, as shown in Figure 4, 63% of the children were able to express themselves clearly. 13% of the total had been able to express themselves quite clearly at score 4 level. Later it could be seen that there was an increase in the number of children who were able to express themselves in a highly clear way.

The percentage rose from 13% to 31% (Fig. 5), more than double of the previous figure. More importantly, 2% of the children were able to

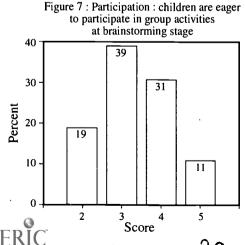


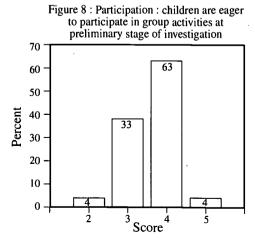
express themselves in a well-organized manner. The figure reached 6% later in the mature stage (Fig. 6).

Improvement in both comprehension and expression supports the statement that children develop their language ability through being active participants in interactions with others (Opper, 1996). Interacting with others and eagerly participating in the activities were key elements in the Project Approach. This can be

reinforced by the item "Child is eager to participate in group activities". As the percentage of children who were eager to participate at a higher degree increased, there would also be an increase in the percentage of children achieving corresponding levels of language development. At the brainstorming stage, 81% (Fig. 7) of the children was interested in taking part in the activities. In the same period, 62% and 63% of the children achieved an above average standard in both Comprehension and Expression respectively (Fig. 1 & 4).

During the period of preliminary investigation as shown in Figure 8, 96% of the children were eager to participate in the project. This time,





the percentage with language ability at an average and above standard had slightly risen from 62% & 63% to over 67% & 64% (Fig 2 & 5). Although at the later stage of investigation, 86% was keen to involve themselves persistently in the activities (Fig 9), the proportion of children who had an above average standard in comprehension rose to 75% (Fig 3).

The results in correlation between greater degree of participation and higher levels of language development are significant. During the initial stage of brainstorming, only 42% of the children were eager to participate in the activities. The percentage of children who attained a high standard in comprehension and expression were 20% and 13% respectively. By the time it got to preliminary stage of investigation, the enthusiasm of the children increased slightly, leading to a increase in the percentage of children who were eager to participate. 67% (Fig 8) of the children were very eager to participate. The percentages of children having high comprehension and expression skill were 25% and 33% (Fig 2&5) respectively. At the later stage of investigation, the percentage of those who became very eager to participate was 57% (Fig 9). The percentage of those with high comprehension skill had seen to rise further to 35% (Fig 3) whereas the percentage for those with high expression skill had a mild decrease, from 33% to 20% (Fig 6). This could be explained by

the fact that children were engrossed in the mental and physical work of model-construction and they would tend to talk less.

After the analysis of I) Language achievement of children in the Project Approach, we also studied the II) Self-initiated Learning and III) Social Development of the children in the research.

Figure 9: Participation: children are eager to participate in group activities at later stage of investigation

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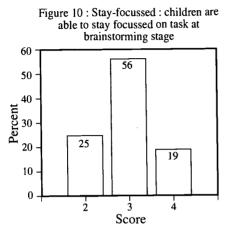
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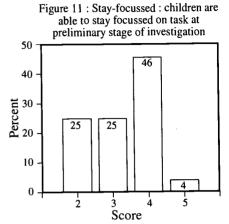
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Score



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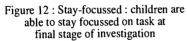


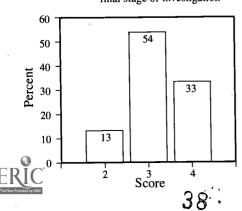


3.2.2 Self-Initiated Learning

Besides the process recording of the Project Research which was to be a qualitative research more than a quantitative research, only three significant variants were discussed for Self-initiated Learning viz. whether children were able to stay focussed on a task (perseverance and curiosity), whether children were able to generate solutions to problems (problem-solving), and whether children make contributions to group work (participation and co-operation).

During the Initial stage of the project, 19% scored a high 4 and nil for very high score in staying focussed on the task (Fig. 10). In the second stage, 46% scored high and 4% scored very high, children were self-motivated in the Investigation Stage (Fig. 11).

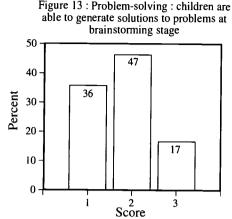




However, in the Final Presentation Stage, it dropped to 33% scoring a high 4 with 54% having an average score of 3 at the same time. It showed an increase in the interest of the class as the project developed (Fig. 12). At first, 25% of the children had only a little interest in the project but at the end of the project, there

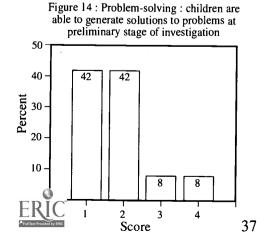
was 87% of the class was interested and only 13% were not really excited by the project. On the other hand, this could be explained that children had completed their project construction and it remained to be explained to others.

At the same time, we might need to think about what to do with the 13% in the class who were not really excited about the project. It was also



a common phenomenon that children's interest could grow with the other children in the class project. Their ownership grew as they started to participate more in the activities. There were always children who might not be interested in this project but interested in other individual projects.

For Problem-Solving, in the Initial stage, it was more on raising questions and expressing oneself. Children could demonstrate their language skills more appropriately than their problem-solving skills in this phase. Therefore, it was not surprising that they scored a low 1-3 points in the beginning, with 17% at the average score of 3 (Fig. 13). It rose to score 4 with 8% and 8% at score 3 in the second stage (Fig. 14) and then at the construction and final investigation stage, there were more opportunities to solve problems arising naturally from the events. It rose to 35% with children being able to generate solutions to problems (Fig. 15).



able to generate solutions to problems at preliminary stage of investigation

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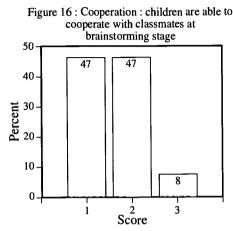
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Figure 15: Problem-solving: children are

In the Problem-Solving, besides frequency, one has to look at the quality of the problem solved too. It can be seen in the projects: Fans and Jade Market. Children had a high order quality in problem-solving. In the design of this research, it was a measure of frequency of occurrence which was commonly used in psychological research. The occurrence of problem-solving



can be one or two or three in a particular project. The quality of problem solved was vital to the interpretation of the data collected.

The project book which records the process is more reflective of the children making the various contributions in the group work. They cooperate well in achieving a common goal, helping each other out and also contributing to each other's efforts and are indicative of their motivation in self-initiated learning.

3.2.3 Social Development

On Social Development, we focus on two major factors: i) Children are able to cooperate with classmates and ii) Children are eager to participate

in group activities. In the Initial Stage, children tended to score low in the cooperation with others as it is mainly in the brainstorming stage and each child raised questions of interest to himself mostly. All are between the scores of 1-3 (Fig. 16).

In the preliminary investigation stage, a higher occurrence was seen as 30% was between score 3-4 (Fig. 17). In the final presentation and consolidation stage, a still higher percentage of 58%

Figure 17: Cooperation: children are able to cooperate with classmates at preliminary stage

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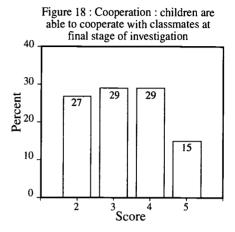
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Score

scored between 3-4 (Fig. 18).

For the factor of ii) Children being eager to participate in group activities, 42% (Fig. 7) scored a high 4-5 as they joined in the discussion. However, in the preliminary investigation stage, it was 33% (Fig. 8) in the frequency of occurrence at average 3-4 level. The process showed that at this time they were engrossed in their mental or



non-physical participation, and close co-operation was not reflected in the scores then. The raters agreed to this observation. In the final stage, children had a lot of findings from individual or small group investraden and were engaged in the presentation of their projects so it rose to 86% (Fig. 9) with the scores of 3-5, a high level of attainment.

An overall score of 39% was also shown by children showing "their understanding of the importance of other children's participation". They learned to listen to others and accept ideas of others besides their own.

3.3 Conclusion of the Research

One could conclude that in the Project Approach, children's interest was sustained at a higher percentage than conventional teaching. In measuring their participation, an overall 87.6% scored the average 3 and above to 5. It could be interpreted that the children were interested in the project. Their interest also grew with the progress of the project, as the low scorer decreased from 19% to 2% in the final stage. This had been observed to be a common phenomena in Project Approach. The interest of the peers and the atmosphere of the classroom using the Project Approach had a positive influence on the learners.

In fact, cooperative efforts had been much stressed in the Project Approach, both in the class presentation and small group presentation.



The Salvation Army Nurseries staff also tried to steer the interest of the parents in appreciating group effort and not just interested in their individual child's work. At the same time, the Assessment Tool devised by the Child Care Services also provides assessment of group and individual child's achievement for further planning of teaching. Nevertheless, the tool, SA/PAAI needed further validation. The teachers in The Salvation Army were familiar with it when we introduced it in 1997. To familiarize teachers with it and not to over-burden them, it was adapted from an individualized tool to a class-profile tool. In 2001, it could be used as an individualized tool again with further adaptations to meet local needs. We could carry out more action research.

In the research report, the items were grouped into 9 major areas as shown in the bar-charts. The 5 sessions of taping had been grouped into 3 stages, the Initial Stage includes the Brainstorming, Preparatory Discussion and Listing of questions. The Investigation Stage included the finding of answers by interviews, by excursions etc. The Final Stage was usually used in constructions showing the children's learning and presentation to parents and visitors etc. Such groupings of items had already been designed in the research design and the data were compiled accordingly.

The different stages had a direct influence on the different responses of the children. Each stage had some key areas which were characteristic of that stage. Therefore, we had to interpret the data with this in mind. In future, when other Action Researches in Project Approach were to be carried out, this would be an important factor to be considered.

All in all, it had been a good learning experience for the teachers to do the Action Research as they reflected in the meetings that they had to learn how to think and to think faster and in many ways in lateral thinking. As there were two or three cameras facing them and they knew this was recorded, teachers took a more serious attitude in their teaching in the Project Approach way as they tried to remember the basic philosophy and principles and applied them in teaching.



It was extra work but within their ability. The teachers said that they valued the experience and met the challenges without grumbles.

It was a good training. The teachers and raters had a good understanding of the system and could return to their centers to train others.

It may not be necessary to prove beyond reproach that the children in the Project Approach Programme excel better in language ability. It does have documentary proof that they did well in language. They have also shown positive results in Self-initiated Learning attitude and Thinking skills. This leads us to repeat: Never Underestimate Children. The Language Learning can be more readily assessed if the teachers can pay more attention to transcribing and interpreting the words of the children as children tell them about their drawings. Teachers then analyzed the words and behaviour to see the thinking of the children, their concepts and understanding of the world. Also, teachers then think of how to help the children develop further, children's subsequent reading of their own handwriting and that of the teachers as dictated by children are in line with the Language Experience Approach. More reading of stories that are related to the topic can be reinforced. Besides stories written by children, episodes in their journals can be read with the writer, a child or with a small group or whole class at school and at home. Children are given opportunities and encouraged to share their learning and their joy of learning with others.

We were satisfied with the results, particularly we had learned how to carry out an Action Research for Project Approach and this might be an example for many schools to follow and they would do a better research, using the experience we had started out and in future we could reconstruct other checklist questionnaires for other purposes using the same videotapes. We could collect other data using similar research method of checking the frequency of occurrences within a stated period.

The scores of data could prove to a certain extent that the average scores of children in Centre 3 assumed to be more adapted in Project Approach



for this period did show the best scores in table 2.4, as were "Listens to contributions of other children", in table 2.7 and "Talking to the group" in table 3.3. Children actively exploring materials and staying focussed on task also support the strength of the Project Approach.

The occurrences were within short intervals and were deemed to be high. This proved the value of the Project Approach. Teachers had also shown to move from a teacher-directed to a less teacher-directed teaching paradigm, in a continuum, making progress month by month.

The teacher's style was seen to be less teacher-directed in the graphs and supported in the accompanying Anecdotal Notes by the teachers as they reflected. They were more aware of giving children ample opportunities to explore. This was also true in the Teacher's Interviews and teachers felt their own growth.

We are positive in the implementation of the Project Approach. For the purpose of this research, we have excluded the Mathematical Concepts because The Salvation Army had adopted the Montessori method in the teaching of Mathematics separately. The Project Approach, however, gave opportunities for children to apply their learning in mathematical concepts.

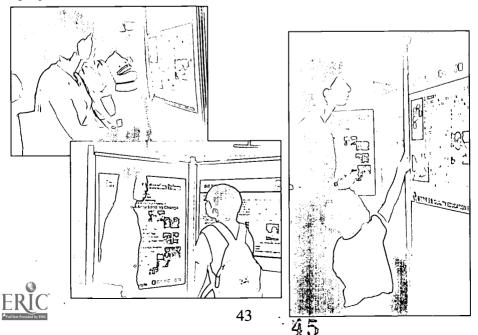
Teachers could add word-charts to be more systematic in their language learning. To further prove that Project Approach teaching can enable children to cope with the academic requirement in the primary schools, we had collected their report cards in the primary schools and they showed good grades.

The Project Approach is an application of sound learning theories and we would like to see it being adopted in the mainstream learning and not just as an interest-group after-school activity in the primary schools. Wider application of this teaching method is envisaged to be in line with encouraging lateral thinking to meet the challenges of the 21st century. This research also gives rise to room for other researches such amenable qualities by different phases of the Project Approach.

Insights: Implementing Project Group Work by The Salvation Army Child Care Services

The teachers and Child Care Services staff welcome the Quality Education Fund project 1789. It is a Quality Circle Project in action. With the project, some new areas and ideas for exploration have been found and need more in-depth study. The research has reaffirmed that Project Approach teaching definitely has positive effect in teaching both for students and teachers. "Exhibition-on-Wheels" also reaffirmed support from parents.

The primary objective of this project was to shift teaching from a teacher-directed mode to a less teacher-directed mode. In order to achieve this, a training programme was provided to upgrade the skills of teachers in implementing project work. An Action Research was also carried out to validate the effectiveness by measuring both the performance of teachers and children. The projects that they completed also proved that teachers were moving from a teacher-directed mode to a more children-directed paradigm, in a continuum. As reflected in the Research and the latest project books, the children were greatly interested in their learning and



engrossed in the projects. The teachers pointed out in their journals and reflections that they became more aware of giving children ample opportunities to explore and for children to learn from their own mistakes.

The secondary objective of this project was to measure the achievement of children under the Project Approach. The Action Research focused on children's attainment in language ability, social development and self-initiative learning. The results did show favourably in those aspects. The knowledge has deepened and widened tremendously through the project approach as seen in the various projects accomplished.

Besides the learning boards for children, the teachers have been displaying their teaching of the projects to the parents as adults in most of the projects. They have also seen the various displays of the "Exhibition-on-Wheels" and the three Quality Education Fund Expositions have helped teachers to communicate with the public what teaching and learning is about. It is another level of display for mass communication.

Indeed, the Project Approach is not just for demonstration but for practical use in our classrooms throughout the three years in all our fifteen nurseries. A lot of documentation has been made, both in the notes taken in the Training Sessions and in the Project Recordings and Research documentation. The Quality Education Fund grant has given



us the impetus to focus on in-depth training, the collaboration with the University of Hong Kong researcher to do the Action Research. It also enables us to put our experience on-line. Most of all, it helps us to have a sound foundation to continue with the Project Approach in teaching.

The Salvation Army Child Care Services have tried not to burden the teachers with the additional clerical work and co-ordination. It is when their specific professional help is needed, then teachers are seconded to participate in the research in helping to lead the students in project work and we provide the support in taping. The QEF staff did the data-input and compilation. Only two volunteer raters from the teachers' group were seconded in the afternoons to help in the inter-rating.

From our experience, teachers appreciated the intensive training in year I and early year II and asked for more in-service training. The teachers in the Research Group were eager to participate and wanted us to involve them and feedback was taken seriously. In subsequent months, more feedback would be given to the teachers and supervisors not only in the research group but also all our other operating nurseries. We would wait till the Final Report is in print and teachers would have a text to refer to when we continue to train them.

As a whole, we feel an excitement in completing

the QEF projects, especially for No. 1789. We anticipate to continue with the experimentation and follow-ups and documentation of the Project Approach - The Salvation Army Child Care Services way. We believe this is one of the best teaching approaches and in line with the Education Reform.







Children observe themselves at different angles through the mirror.



Bibliography 參考書籍

Backer, B. F. (1996), Teaching Basic Concepts, Totline Books.

Batzle, J. (1992), Portfolio Assessment and Evaluation, Creatives Teaching Press.

Berk, L. E. &. Winsler, A, (1996), Scaffolding Children's Learning, NAEYC.

Chard, S. (1994), The Project Approach Book Two, Scholastic.

Edwards C., Gandini L., Forman G. (1993), *The Hundred Languages of Children*, Ablex Publishing Corp., Norwood: New Jersey.

Elkind, D. (1993), Images of the Young Children, NAEYC.

Helm, J. H. & Sallee, K (1998), Teaching Materials for Documenting Young Children's Work, Teachers College Press.

Helm, J. H. & Sallee, K (1998), Windows on Learning, Teachers College Press.

Herdrick, J. (1993), First Steps Toward Teaching: The Reggio Way, Book Press.

Jones, E. & Nimme J. (1994), Emergent Curriculum, NAEYC.

Katz, L. G. (1993), Five perspectives on Quality in Early Childhood, ERIC.

Katz, L. G. (1993), Dispositions: Definitions and Implications for Early Childhood Practices, ERIC.

Katz, L. G. & Cesarone, B (1994), Reflections in the Reggio Emilia Approach, ERIC.

Katz, L. G. & Mccellan, D. E. (1991), The Teacher's Role in the Social Development of Young Children, ERIC.

Katz, L. G. & Chard, S. (1989), Engaging Children's Minds - The Project Approach, Ablex Publishing Corp.

Reggio Emilia (1998), Children, Space, Relations, Reggio Children.

Opper, S. (1996), Hong Kong's Young Children - Their Early Development and Learning, The University of Hong Kong: Hong Kong.

Vizvak, L. (1996), Student Portfolios - A Practical Guide to Evaluation, The Wright Group.





專題研習實錄到」 教學

何少梅



優質教育基金

ERIC 救世軍幼兒服務

賛 助

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圖文傳真

·· 2385 0828

地

址

: 香港九龍油麻地永星里十一號五樓

出

版

: 救世軍幼兒服務部

:在香港推行「計劃活動」教學——專題研習實錄

ISBN 962-7628-60-3

印

刷

經緯印刷公司

網

址

·· http://ccs.salvation.org.hk

出版日期

:二〇〇一年十一月初版

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幼兒 行 行 計劃 計劃活動報告範例— 教 在香港推行「計劃活動」 手鑑式的撰寫 計劃活動圖片介紹 序 動研究後的感想-動 師培 研究 的提 活 訓 動 報 問 報告--告---1111 風

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序

師和幼兒服務部的職員欣然接受優質教育基金贊助的「計劃工程活 動」,

這

個計劃亦實踐了優質圈的理念。

責 家長對教學法的支持。雖然人力資源幾經變動,幸而每一階段的研究員都能勝任職 再 所 次 証 在 明「計劃活動」教學法對教師和學生皆有莫大裨益。巡迴展覽亦再次肯定了 :這次計劃中,我們發現了好些新領域和創新的意念有待深入探討。行動 ,所以人手變動實為一種祝福 0 研

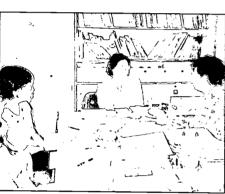
許多學校都在摸索進行研究的方法。統計數據給我們一點驗証 樣幫助 上 網 的 這 教 詳情。教師培訓的筆記可供有興趣的人仕參考。 本書分為中英兩部份,英文的 師去改善教學才是最重要的 部份主要報告了教師培 ٥ 行 動研究是很熱門的課題 訓 、行 ,但研究的 動 研究 過 和 把 和怎 計 劃

ccrc@netvigator.com 當中輯錄了部份作者撰寫而未經出版的文章,也加入了一些筆記迴響意見 有全文中譯本,若讀者覺得書中的「計劃活動」實錄指引有討論價值 和家長參考。這部份集中記述了進 家 要 知 的是中文部份並非英文版 ,救世軍希望藉此設立香港 Project Approach Forum 行「計劃工程活 的翻譯本 ,各擁特色,中英部份 動」的情況。行動 研究報告則 ,大家砌磋 亦宜 , 可電郵至 可供 閲 讀

軍 幼 兒 衷 園的園長、師生、家長積極的參與,使這項計劃得以順利完成 ن 感 謝 優 質教育基金和救世軍資助「計劃工程活 動」的進 行 。同 時感謝 救 世







香港教育學院 - 陳鉗笙教授



監察專責委員會會員馮敏威校長



學院 見 和黎嘉敏園長及各位曾參予的救世軍同事們 小 0 組 幼兒教育學院院長陳鉗笙教授對本計劃的支持 最 亦 計劃工程活動」獲得優質教 感 後 曾給予寶貴的意見及支持,實在感謝。更要多謝的是梁 此 謝 鳴 , 亦感謝香港大學教育學系助理 凱 謝 茨教授和夏克博士為救世軍幼兒服務主持富有啟發性 麗 薇 博 士 擔 任 這 計劃 育基金資助進行為 中「行動 教授林裕康 研究」的 期三年 先生、 顧 問 蕭岳 的計 , 婉 給 予 劃 佩博士及香港教育 珊 許多 園 的研 别 的 討

張 盽 淑 立 間 和

鍾凱雯小姐 份文章 雪儀 小 翻 本部亦說聲謝 姐 譯 成 跟進成書。 中 文 協 謝 連 助 0 編 同 其他 整計 參與 劃 活 這 動 報 項 쏨 印

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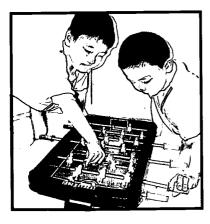
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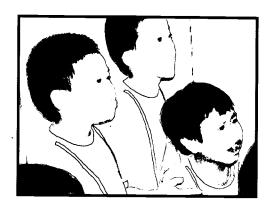
足球隊 5歲 幼兒熱烈討論踢足球的規則 參考書籍 討論分工、分責







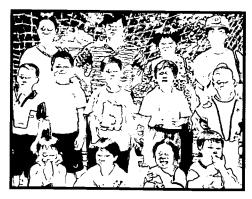












女孩子也積極參與足球隊的 組成及出賽,家長功勞很大, 是家校協作成功的一個例子。



5.5





風扇 5歲 幼兒興致勃勃地討 論風扇

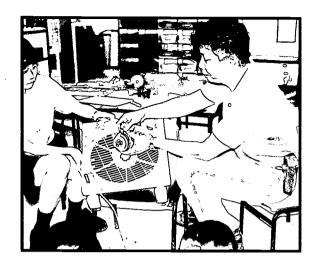


幼兒拆開風扇 研究內裡的摩打

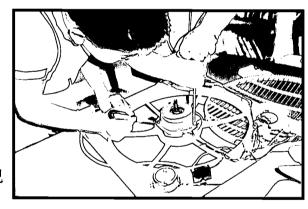


到電器零售店 參觀,加深了 幼兒的經驗, 並豐富了 討論的內容

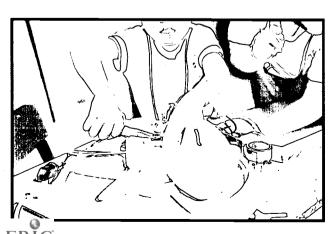
P. B



家長是我們的資源



不要低估幼兒 的潛能



只要幼兒對所學 深感興趣, 學習自然突飛猛進

在香港推行「計劃活動」(設計活動)教學

選 擇主 題

的 因為 想 究竟孩 學 法 ,讓 並 ? ,這是 一沒 子 他 他 有 對那 們 的個 一種專業精神。有沒有良好的師生關係?有沒有尊重孩子?尊重他 幻 一定的配方或法則去激發孩子的興趣 類 想及作出假 題材最感興趣呢?我 性?他們的努力? 設。但教師切 們可 勿將這 以不 斷 個理念視為計 。教師必 重覆提 問 須 孩 要 子 劃 明 0 白 不 怎樣 動 要 的 才是 必要 出 原

們曾到 發展其 方 識我們 理 或 材 達到部份我們所定的教育目的 往 玉器市場實地觀察 。教 解及 法 白 往 樹頭等。教師利用網 他 只要教 則 這 教 師即使錯過一至兩個步驟也不要緊,重要的是孩子能 接受這一 來帶領活 技能 以 師 點是 毎個 的 區 配 師有帶領計劃活 及 問 解 整合, 豐富往後的學習經驗,編排其他活動或 題 計劃活動中 — 幸好教師沒有嘗試探討所有分題如玉器 都需有敏鋭的觸覺,在短時間內作出正 點 動 決老師長期負 在 。可是我 0 於 製造出 ,製作了一個玉器市場的模型。是在討論時決定製造模 對於經驗 同 絡進行討論,還有實地觀察 時 們 動兩年以上的 間 不能為新教 較淺 ,那也算是個不 個富有意義 擔過重的主要關鍵。我們從不要求 內 完成 ` 訓練 過多的 和充 不足 師而 經 驗 事情,我 錯的計劃活 滿歡樂的學習經驗 停下來 的教師 , 已能 掌握 。那他們有做 , 他 完全同意凱 小組學習也有 確 雖然 動 的 箇中 們 7 決 夠學到 他 只 定 的 們 0 這樣對 ,成 。在 技 教 按 必 有意義的 茨 步就 師按 訪問 巧 經 幇 為 敎 現 學習階 嗎? 市場 特定 助 班 能 個 師 知 將 0 的 , 段8 不 他 精 識 我 的

5

(portfolio)內只需展示最出色的作品,計劃和進行活動的撮要及分析。另一 因 此 我 做記錄是個十分普遍的活動 們需要一 個精明的老師剔除一些沒有代表性的資料。我提議一 ,最 重要的是我們需要多少的記錄才能達成目的

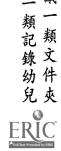
整段記錄方法

語 成 的呢?他們的營業時間怎樣?檔主在營業前要準備些甚麼?玉器交易會用 嗎?怎樣分辨玉器的真偽呢?那裡有寶貴的珠寶呢? 信 木 中中中 果 相 B

還是在實地觀察後才有這個想法呢?他們還有甚麼新發現嗎?玉器市場在那

年建 些手





習進 度、連習作例証(work sample)及分析幼兒所學,以便 計劃 日後的學習

多的 逐步實踐 習回 眼 子女的學業上,家長還是比較喜歡看到那張成績表而非一個活動中的整體表 別 檔案及成績表。 法 提 做 知識 參與 需要將家長的注意力從孩子的身上轉向小組及團隊的成績上,先從 的 及 的 不 但我 管怎樣, 再細看孩子個人的成績。這就能發現孩子從群體中可以吸收到 成 孩子的姓名 事有甚 然 。這是另一種學習,如何彼此合作以達致一個更高的 後 呢 績 。當時的時機尚未成 孩 這樣才能摒除自私、培養建設社會、國家的高尚情操 們更希望將家長的著眼點轉向 ? 子 0 , 無 曾經提倡 麼評價? 我 在 直接記錄孩子的姓名是最簡單的做法 疑家長欣賞「足球隊員」的合作精神 們 以 雖然我最後還是打消了這個念頭 需 Ŀ 要 以突出他 計 人檢 有值得 小組合作的學習成效 劃 視 活 文 動 熟 們 加 件夾,看看孩 教 的 以 學中,有參與 , 學習的 家長也未能接受只是小組學習的整體成 個 性及 小 成績作 地方? 子有 組及整體成績之上。我在續作為一種鼓勵。相信家 ,而我 玉 沒 計劃 器 有翻 , 們的家長工作小 市 ,倘若將同樣的情況 但我們並沒有放棄把 ,教 活 埸 動 的 師也能做到這一點 的 記 錄 目標 錄 自己 工 報 , 告 組 的 而 家長會喜歡 , 更當 記 中 九 又 但 小 七年自美 錄 是 不 個 套 致 就 這 試 ? 教 否已是最 別學習更 用在 的成 推行 忽略個 個 師 0 對 選 這 想 自己

外 到 重 點 事實上 作 師還要經常問自己「孩子從活動中學到了甚麼?」「我應該怎樣做 師 記 錄實在不容易 毎 天都 , 在學習推 需要預留時 行 ,只有專業的教師才能 計劃活動」教學時,他們是需要多寫日誌 間寫 日誌 , 我 們 的教師也在寫日 做到 誌 , 但 . 不 以 便 毎 反思 才能 关 0 此 做 取



非 法 班

作更流 暢及有效率?」 我認為我們的 教 師應發問更多這 類 的 問 題

不要低估幼兒的能力和智慧

師會在沒有必要時幫助孩子,使孩子失去從嘗試和探索中學習的機會。 去重覆思考和作出回應, 師又高 示反映出我們很多時都忘記 必 估了 須 幼兒讀、寫、算的程度 記「不要低 不要向孩子發問連串的問題,扼殺孩子的思想空 估孩子的智慧」這 了這個基本原則。我建議教 ,往往做出「揠苗助長」的事情 個 基本原則 0 教師向 師應給予孩 孩 子 八子充 然而家長 發 出 足的 間 0 教

命以求解脱。孩子需要學會用温和及有禮的態度向別人求助 會了如問題 題 達自己的意見 。這是重要的學習,成長後人們也需要學習向別人求助,而不是去了結自己 但在 師需要學習一個全新而又十分重要的技巧, 必要時不要氣餒,懂得尋求別人的幫助。在「風扇」計劃 ·解決不來,便應向老師討教。教師於是建議他們用另一種 0 教師亦要以身作則 ,教導孩子以禮待人,懂得和人溝通 就是教導孩子先嘗試 ,需要學習有禮 活 動 中 較 自 堅固的 行 孩 解 的 子 地 決 生 學

朋輩互學

過 歡 混 計 敎 劃 合年龄的 組增進 師 活 所教 動 的 授的要多。這一點完全符合蒙特梭里教學法 班 彼此學習的機 理想是混合不同年齡的 別 而不懂 會。 利用這學習機會。 可惜老 孩子一起學習。孩 師和家長多未能領略 子 的 從 個 原 同 中的好處 則 伴身上 。我期望 所學習 往 一孩 往 子能



凱茨教授指出:

千萬 完全同意她的見解。原因是有趣的經驗並不一定是一個良好的學習經驗 不要將「教育」 和「驚喜」混淆

0

味 而非製成品。事實上,我所要求的不單是趣 深入切實的教導與學習才最可貴。 但我看重的是學習的過程及教學的成效

習目標。我們的教師需要學習不要只求製造樂

,這時教師應該從中訂立明確的學

有些教師仍然以為每個活動要制訂「宏偉」

的發現

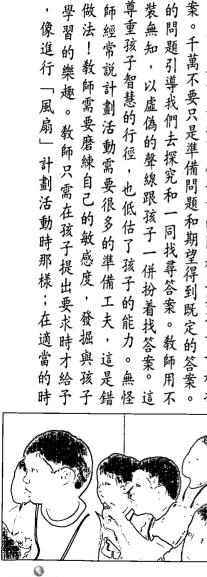
敎 在接受了發問開放式問題的密集式訓練後 答案。千萬不要只是準備問題和期望得到既定的答案。 正的問題引導我們去探究和一同找尋答案。教師用不 明白到需要認真地回應孩子的問題並與孩子 師應該提 出不同的問題去刺激孩子思考, ,教

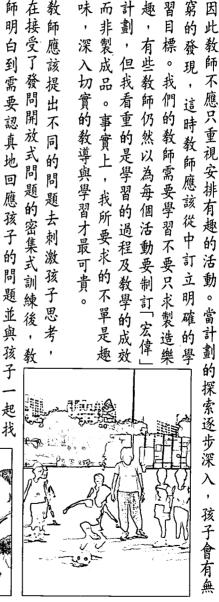
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四 凱 茨教授說不用怕發掘一些新題材 。教 主 題 ,師應像醫生那樣,去感受病人的心跳脈搏,斷症下藥 。讓我們去構思新主題,我

例 我在意大利就看到導師有着這樣的嚴謹但和靄的態度 例如 如幫助 入 以 怎 勵 孩 樣使用 孩子。教師的角色是確保孩子的安全,教授一些新 子配 鉗子、鐵線等。教師又要挑 襯和諧的色調,到 可接受為最好的顏色配觀時才停下 戰孩子是否已經 做到最 知 識 和

技

重 卓 題 越 家 做 師其實可以重覆地探討同一個主題,即使是同一年同一班的孩子也 覆 後 便決定 每次 的 我認為可以在學期稍後的時間再行探索。同時教師亦可以讓下一學年 主 ,引發 。雖然這是需要同一位教師帶領,才能夠在過往的經驗上 題 探)進行第二次的實地觀察。這樣做可以幫助孩子自我反省 自我改善的主動性 討都可以更上一層樓。若孩子希望重做「玉器市場」的模型, 。假如孩子和教師都希望再次探討同 一紮根 可以 追

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別

的

孩子探索往年的主題

,

會心態的轉變,第一年的孩子對自己要保管的雞蛋愛護有加,到了第三

。在再做「蛋的計劃活動」

時便反映

了

的時候,該班的孩子只想將雞蛋交給別人照顧

,反映著人的本質和一般人如家長及鄰舍的價

位觀

。只要有適

。幼兒園

可説

是社

,重新再做相同的主題,對大家也有很大的啟示。對我

再做

間

和環境

會投上時間

和精神

常規和法

則只供參考,

並不是計劃活

環境又

許可的

情況下,

我

規

動沒

有特定的常規法則。在孩子有興趣而

縮

影

們使教師不

使

È

會因 考慮主題是否符合我們所訂立的準則 實上在園 師教學方式與態度 循 ,只是依 「內也有很多現成的材料讓孩子去發揮。假如能夠 以往的教學範圍去想 ,每一個主題的研究價值就更高 · 有着 不 同範 ,而擇取主題時我們須 疇的資料供予搜 加入 改善了的教 集

了「孩子的一百種語言」展覽後,我們展開了第一批計劃活動「雨」、「 美國全國幼兒教育學會(NAEYC)的雜誌Young Children以及有關計劃活動 果」那般平凡的主題。這就是創意,對計劃活動缺少經驗的教師來說 書籍中的許多經驗,從八九年起開始揣摩計劃活動的精髓,在九一年參觀 仿也是學習的一種方式。這是鑄模法,也是互相分享的優點。我們吸取了 校依諾教師的地方,就是她能夠從一個全新的角度去探討像「腳」和「 洗車記」和「刷鞋童」都是比較新穎有趣的題材 。我最欣賞香港國際

五 實地 觀察

觀察這一點我們的教師也常做到了!問題是我們可以怎樣令實地親身體 定要出外的。有時在幼兒園內也能夠掌握到第一手的資料 不論第一手的資料是在幼兒園之內或以外獲得,只要能提 得更好,而不流於一般外出活動,未發揮盡致 學習經驗就 師的腦內需經常記著最好能安排孩子有「實地觀察」,但實地觀察 可以了。此外,參觀前和參觀後的討論環節意義重大。實地 。教師必須認真思考做每 供 ,並進 有意義和豐富 行探索 不 驗 ٥



和影」。現在,我希望帶領進行計劃活動多年的教師從別人充滿創意的活

動中,得到一些啟示,孩子應從我們身上獲益更多。

的

蘋

模

件 的 目 的 她 們不 但要給園長一個 理由,也要給自己做事的原因 0

的 胜

採取的做法是按課程教授一個概念和一種經驗。這並不是正確的做法孩子需要温習,可是他們沒有給予孩子足夠的時間去揣摩這些經驗。 議是我在三十年前開展小組教學時所提出的,時至今日這個建議 的 採納。今天我還要一再提出相同的建議,給幼兒充份的時間去吸收所學。 基本的概念 吉歐教 該 用心完成自己的工作,而不是為著趕快完成手頭上的工作 學法強 忙 調 碌的生活令我們很容易便忽略了這一點。縱 識 重温的重要性。孩子需要吸 收 種 的 使 仍 教 未獲教 。這個 0 教 知 教 道

<u>논</u> 欣賞別人

封閉的圈子,我們如何才能打破這個觀點呢?我們需用實際行動正視問題 更大 再逃避。只要教師能進一步開放自己,接受新事物,所作出的貢獻將會 師需要學習欣賞和接納別人以及彼此學習。教學界一般被視為一個 比

切

實的

計 劃 主 助 仍舊依循一貫的教法去安排一個接一個的活動,當中卻欠缺了一個最終目標 活 我 動學習,向家長匯報的手法,較高層次的家長參與和社群參與。有一點必 動 「設計活動」教學的手法教學,而實際上仍採用傳統的主題教授去帶領活 來說 們達成各項的教育目的。就經驗所得,計劃活動並不是一個新的教學法 ,切勿讓 旨在幫助我 ,計劃活動不但特別有利於孩子的身心發展,還提供了一個 不當的演繹損壞計劃活動的良好聲譽。如果教師自稱以「計劃 們對焦 (在某些重點之上:包括教學應以幼兒主導而非教師主

較



的幼兒得益。 鼓勵孩子主動學習的態度,這樣將會毀滅計劃活動的精神,阻塞其推廣,防礙更多



程 地一步一步跟著是比較容易的,有層次地學習才能帶出一個計劃活動的形式來 的答覆也幫不了誰去進一步了解。後來,我也想過這一點,對一新學習者,有步驟 中幼兒也是學到許多以前未有機會嘗試的學習技巧和知識。 :「計劃活動」要寫成手鑑便不是「計劃活動」教學了,這令問者沒趣 界人士也許會如此提問,訓練教師進行這思考式的教學是怎樣的?我一向的答覆 前 培 訓教師 的 導師問我,「計劃活動」教學的手鑑是怎樣的?也有許多 ,而這 ; 過

式 頗 踐 化的 孩子答。幼兒也有許多東西告訴成人的,幼兒不是空白的小不點,他們 最 教 回事 從 重要的一 行 師 他們的思考往往是許多成人也要探討的,所以成人要聆聽,這不是 遊戲和學生做一次,便算是從遊戲中學習,說自己已教了學生這課題 解 「計劃活動」教學中,大家體驗到教師和孩子是有對談的,不只是教 決 了參閱有關該教學法的理念文章,亦要「讓幼兒主導學習」,「給予充 疑 環:「不要低估幼兒」。這意味著教師不應預定所有教學內容 難、尋找知識和答案的機會」,「讓幼兒學習怎樣去學習」。還要 口中 的 師 以

`差不多手鑑式的「計劃活動」教學,並以幼兒園高班曾做過的「食物」專題探索 選 |舉中,實踐式的「教與學」未有傑出獲獎者。所以,我也改變初衷,也來寫一 ,展示一個「計劃」推行時各種基本原素。我也明白光是説要有「計劃活動 師、家長聽了這許多道理,要實踐出來可不容易,難怪優質教育基金傑出

樣

後 經 明 教 | 驗寫下做「設計活動」教學的步驟,始終跟著去做是容易些:教師不用聽了理論 ,還要自己融會貫通去思考怎樣施行出來,思考不來便理論歸理論,就是實踐不 白夏克博士所寫的方案教學為何對教師比較易於接受,因為她以大學培訓教師 學」精神,是幫不到教師教學上的改進,也幫不到學生有更好的學習經 驗 。我

行 段長久歷程,教師只要不自滿、努力學習、不斷反思,教導幼兒才能成為有意義的如,加上一點驚喜之作,日後也能進入另一階段,多作分析、引導。這是要經過一 終身專業。 選出的教案「食物」為專題的例子作討論,教師是怎樣循基本步驟帶出「計劃活 加上一點驚喜之作,日後也能進入另一階段 「抄作」也是學習的一部份,教師嘗試過了,有安全感了,熟悉後再行創 領 悟到學海無涯,計劃活動教學還有許多層次。因為理想未達,先以教師們自 ,多作分析、引導。這是要經

動」來)首先 的提 主題聯想 來再行 `會說話,這又使他們明白「輪候」、「平等」的概念。長久的培育, 練 他 7:讓 們創意思考的一部份,各人都可以提出意見。幼兒看著 議,已給幼兒很大的滿足感了,他們也懂得自己說完,別人也應有 組織、篩選。初步沒有對或錯,這樣幼兒才不怕想到 幼兒作「 2到任何他想到的事物,又或一些情景,什麼都可以 腦沖擊」的方式,教師先帶出一談話的主題 7便説 教師寫下自 先記下來, ,再讓幼兒 ,這是

教師也做了些預備,在地理角中,教師放有不同國家食物的參考圖書,

這

些成

為

他

們的習慣

過

兒 日 本的 「壽司」和中國 的 饅 頭」感到 蠻有興趣

三) 談著 談著 , 幼 兒 的 興趣 又轉到 「售賣食物」 的地方,竟成為他

們

興

趣的

好

預

後大家決 點 ,那兒有雪糕賣、那兒有麵飽賣..... 定到附近的商場實地觀察。未出發前,教師要幼兒做

商場那麼大, 一組往其他食肆。 幼兒提出分為三組進行探索。一組往快餐店 ,一組往

五)他們 想想那些才是幼兒要探索的主題,那些題目可反映到幼兒原本有的概念, 學習怎樣去學,不只是去學教師給他們的題目。在眾多的問題中,大家 思考如果少了這些東西又如何?多了這些東西又如何?最重要的是孩子從 究竟幼兒他真正想知道是否這些資料,找到了這些資料又有何用處?在凱 課室中的討論、參考書的翻閱,引發到他們尋找真的想知的答案,這才是 幼兒的問題往往已被教師慣例所限,只是搜集一般的數字、名稱 '教授談論「提問的藝術」時,她提醒我們可引導幼兒去尋找事物的過程, 擬定問題去做採訪,預備記錄售賣食物的種類、數目、名稱等。可惜 回來報告,

第二 只是簡單的名稱、數字。 更多的提問,發掘更多對他們有意義的知識呢?這樣學習才更吸引 但教師有沒有引導幼兒盡量利用實地觀察的機會,使幼兒印象深刻 點心售賣 組 幼兒 ,幼兒也發現還有炒飯賣呢 追擊訪問在香江酒樓工作的叔叔 ï ,他們知道有乳鴿、雞 , 引發 而 叉燒

可能

初

時的假

設是錯誤的,後來又如何自我糾正、確定

七) 那些小記者也把食肆的名稱、售賣的食物用圖畫和簡單文字記錄下來,教

其實教師可引導幼兒把圖畫畫得更細緻些,訓練他們的觀察能力、美術能 師也便把資料輯成一本小册子作為幼兒的參考資料。

力、加上解釋,圖畫便不會是那麼簡單了。

九)教師也實在不應遜位只是任幼兒自己說。她可以在旁向幼兒提問:「你們 幼兒也是有自我 粥麵店等四大類。 去畫畫,有些去把資料圖片分類:在酒樓的、在快餐店的、在上海食鋪及 以向家長和其他幼兒匯報呢?他們決定重新整理資料。有些去寫表,有些 批評的能力,他們覺得找回來的資料雖多但零碎,怎樣

認為這商場還需要加上甚麼的食肆呢?」 商場沒有Pizza店,我最喜歡吃Pizza和意大利粉,應該開間Pizza Hut。」 我希望商場有壽司店。」

哈迪斯除了吃,還有波波池玩。」 美心餐廳都幾好,有下午茶精選。」

怎麼沒有麥當勞?」

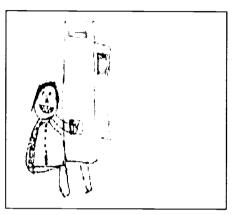
所以,幼兒主導也不是指教師全不給意見提示的,而往往教師有這誤解

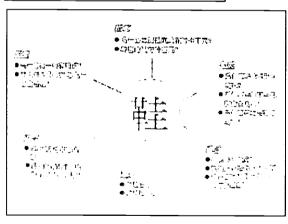
雪糕屋」、「7-11」.....幼兒的意見可多。

要懂得去選擇焦點,再和幼兒進行討論。在教師提示下,他們列出六個標準 去選定開設那一種商店最好 一)要是售賣健康食物的 ,只待着幼兒發問。



21





存案。這便是完成了一(五)價錢平(五)種類多(四)要好味的(三)要有座位的

一個基本的「計劃活動」教學,踏上了第一階。問壽司鋪,並積極投入籌辦,最後教師把紀錄過程



活 動

以 呈 交 提 交兩 任何兩份計劃 比 份在限工活動的口 園 表 現 報告書:首次在一九九九年,第二次在二零零零年 及受密集培訓 期前六 個月內完成的活 後 的效果, 動報告。 救 世軍幼 兒 服 務 部要 求 轄 下 0 的 幼 兒 幼 兒 園 園

大 別 的 活 興趣 幼 動 兒 能 九 將 九 食物 年 相 `所學在帶領活動時應 深入探討 **山** 同的 二月份 同年六月時 教 的 師 0 報 以下是這個 和相 告中, 同 所做的 的)用出來。以禾箪幼兒園為 敎 園長 師 「計劃活動」 活 剛 ,明顯地「足球隊」這個 動「足球隊」已有很大分別 剛接受過由優質教育基金 的摘要: 例 , 五 題目更能 一歲 資助 0 幼兒在 雖然是相 的 此引起幼兒中然是相同 三 訓 月 進 組行此

織原 年世 一支足 本 放權轉變 定 球隊」 杯的 的 主 熱 題 0 改為幼兒有興趣學習的「 仍 對教師來說 未減退,他們希望再次舉行班 ,這是一個很重 組

這

是

禾拳幼兒

園

的

孩

子第二次探討足球

隊這

個

題

目。幼

兒在九

九年的

對

棄九

際足球比賽。於是教

師

決定 時候

潮

幼兒 主 敎 學模 動 題 , ~更為 內 有 亦 能 式 典 更 變得 放 重 趣 下原本 要 學習的 較 多 因 幼 的 為學習去 0 主 兒 敎 題 敎 學計 師 主 比 導 意 原 定 劃 識 到 學 iĒ 可 程 見 一比

敎

師

又

給

幼

兒

翻

看幼

兒去年舉行的足



(五) 幼兒又主動提出了幾個疑問: \in 四) 敎 阱內。 吹停後還繼續奔跑 讚賞的。我們千萬不要掉進「催趕幼兒」的陷 正的態度實在值得欣賞 不能犯規。有幼兒懂得當球出了界,追也是白費心機的 師能讓幼兒充份自由分享感受,也是值得 看 錄影帶時,幼兒能指出自己的錯處 ,有一名幼兒更扯著另一名幼兒的球衣, ,有幼兒犯了手球 。幼兒這種自我 (兒這種自我改幼兒紛紛表示 有幼兒 在

的嘉德麗(Gardini)也強調這點。我們的教師也漸明白到重温學習的重要。

証

·比賽錄影帶。凱茨教授和夏克博士皆提出重温學習的重要意義,瑞吉歐

驗,教師鼓勵幼兒重整他們的(六)幼兒宣傳他們的足球賽事時能 (factual questions)的提問外,也有些更高 次的「預計式」(anticipatory questions)及全面性 的問題 問「有謂」的問題 場球賽需時多久呢? 幼兒明顯地更懂 要穿那樣的服飾呢? 的足球赛事時能應用過往 ,除了解決實際問 知 識 。 他 的 們 知經 題

足球隊有那些球員呢?

那裡有足球場呢





道平時學校旅行時家長是需要交回條以確定出席的人數 ,他們便引用下來。

員的 有 他 們草擬了一張回條,又製作了邀請卡及橫額 幼兒在這期間也加 個 有 趣 的 現象,就是不但負責宣傳的幼兒落力非常,就連負責揀選球 入了製作邀請卡,群策群力。

出席 點 條 算 ,差不多是全班家長支持。 數 簡 直是有史以來最快的 ,來自一班 的家長竟 有三十 次。 迅 幼兒立 谏 地

家

長

也

到

孩

子 的 感 染

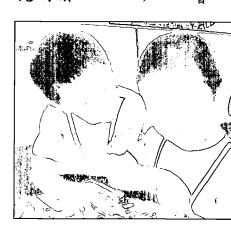
所 有

家長

都

交

位 兒 置 ,實在 球 很清楚分工合作及團隊合作的道 原來他是不可以射門的,他需要站在中場的 隊球隊有一名守門員、前鋒、中鋒和後 這是一 後衛是要防守著龍門的」 線 道 需要在中場位置將足球傳給其他 外。 守門員是負責守龍門的, (再次讚嘆「不能低估幼兒」 個頗複雜的制度 前鋒則負責將足球送進 。但他們都 一。對五歲 理 他需 對方的 球 他 要站 能 衔





責判

斷 又

教

"足球有沒有出界,一名負責更換球員,另一名負責計時。可以肯定

知球賽是有一名球証和四名旁証,站在球場的四

周 0

兩名旁証

負

,師在這次活動中學習到很多。我們認為「足球隊」這個活動實在做

4 25

と 支足球隊」 敎 投入該「計劃活動」。家長感染到幼兒的熱誠 得很出 能 没有偉大的場面,甚至連吸引的相片也欠奉!這個計劃)主題能夠依著幼兒的興趣,(二)教師所擔當的角色也 例來說 。這個計劃証明了一個好題材就是幼兒真正學習興趣 色,但也容易成為「滄海遺珠」 助教師除去因循的框框,更有創意去教、去學。我們學習去 須 ,同一 雖然不是 心主 組幼兒數月前進行的活動是「食物」,這個主題在學前教 題是否「天馬行空」。有時一些不是課程內熟悉的 般課程範圍,我們正正發揮「 ,因為 ,教師也得到 他 們沒 有 衍生課程」的作用。反 鼓 漂 鼓勵 的起源 勵 亮 的 成 的 了 >幼兒和家長成功之處在於 0 功之處在 製 這是互 **一**組 主 題



最感

兒

敎 就

是

育是

酒 幼



隊 協 以「食物」一例,教師仍能達到計劃活動基本的目的,但這是「死」的 」則是活 助 未 幼兒從不同的 括 敎 吃力 來 來說 賽呢!」惠儀與奮地說 重 往 個 中 司 後 記起在禾輋商場內有…… 給予協助。教師和家人間幼兒都是很投入,教 做 題當會有更高層次的學習。幼兒和教師也不用常常故往依然 .曾經做過的主題是很有教育意義的。幼兒能吸取過往經驗 來 幼兒有足夠的時間和適合的機會去探討和發掘多方面的問 ,幼兒也是做了不少活動。最後,幼兒說也享受學習過程。這便只是一个,又在一名家長義工的協助下用食物製作真正的壽司。在籌備的過程 師又有另 基本的設計活動模式 的 片中可見 主題是鞏固學習的良好教學模式,只要該學習是自發及自然發展的 。幼兒回園 的 ,這次「組織一支足球隊」計劃活動是較創新的活動教學。假如教 師 個 0 學年我 一枷 回園後整理資料,一名幼兒站在一張大工作紙前停了下來,想,幼兒甚至沒有帶備寫字畫板,所以他們寫起字或畫圖時也很 角度去分析問題,而不是一成不變地跟從計劃活動的既定模 幼 兒 . 鎖是怕重覆去探討一個主題。然而給同一組 去 們 幻想,他們便想開設一間壽司店。他們用泥 只預 教師在適當的時候要放手讓幼兒嘗試和在適當的 0 以備進 0 (的鼓勵也是非常重要。[我全家人也會來看我 行三至四個大活動教學,以便有充份時間發 題 ,重新 幼兒重 ,,進度緩慢 。同時整 膠來做 足 師 該 0 以

76

27

揮

敎

師能集中反省。無論如何,教師已掌握了帶領活動的一般技巧。在支援

小組

及得著。

教師和幼兒進行的「足球隊」計劃活動有了很大改進,看到教師是有更深入的反思的指導下,教師也能運用所學到的技巧。相比九九年時進行的計劃活動「食物」,





教 師培訓 《從凱茨教授 Lilian Katz)的啟示》

師培 訓 1998/99

園作 研討會後 九 八及九九年間前依利諾大學教授凱茨博士為救 幼兒教師有以下的反思: 世軍幼 兒 服務部 十 六 間 幼兒

教 師實在需 要學習耐心 地等待幼兒 回應問題

甚麼嗎?」 以 行 免向幼兒作這種提問:「這是甚麼?」,代之以「你可 要求。教 師要學的是不要急於作出提示或說出答案。這是 動表示對幼兒的尊重,同時也不要低估幼兒的能力。 「請你看看這個,告訴我這是否正確?」我們不但要在言語上,還需 師還需學習以邀請的語句式而不是命令形式 種 的語氣與別 技 以告訴我 巧 也 你畫的是 人溝 一種

通

這 都 是培 訓中得到 的 重點

 Ξ

,時候作 這是我 定 犯 本 外 0 所帶來的後果 身的 但切忌墨守成 錯 決 師 豎 抉 策 立「 擇 權 而再從中學習,這並 決 策 教育新文 0 規 根 那 者 在安全 時需 據 0 一成 選 貫 擇 行 化 的 徹 不 主 計 情 變 一的一 題 況 個 的 , 活 非 主題 下 最 動 重要 教 個起點 則 並 師 應 不 該容 表 的是考慮 那 教 貫的 師 時要作 示要放 有時 需在 兒 適當 法 棄

錯 誤

細

那

個

抉擇較

好的比

較罷了

0

在



 \equiv 五 四 是 手法, 案。我相信假如教師為幼兒準備了豐富的資料和仔 導。可是這並不等於教師要超時工作去找出所有的 假 細的教案時,他們便會告訴幼兒有關主題的一切 教 精 發展,尤其是學習的態度 為這才是「幼兒主導」。 限期地等待幼兒發問 三年的時間 幼兒主導學習」竟有這麼多的誤解,她們只是無 一些預備, /搭棚 人樣便剝奪了幼兒自我主動學習的機會。這也 如教 神 師又可以教授幼兒各種進行活動或探索時所需的技巧 師實在應多花精神培育幼兒性向(Dispositions)的 ,師應負起,只提供一些資源的角式 ,互相欣賞等態度,尤其重要。 :積叠式(scaffolding)和花蕾漸開式(unfolding)學習的好處 們可將學習經驗累積起來,還有很多好主題供我們去發掘 師對一個主題沒有認識,她是學習需要先做 讓幼兒找到答案,幫助幼兒怎樣去自學。在 這樣才能在幼兒進行探索時作出正確的引 中,我們發現一些園內的教師原來對 , 又或是教師全不給予提示 ,其堅持探索,好奇心, ,以創新 的 ٥ 不怕艱苦,包容和合作 如怎樣搜集資料

了

0

我

值

得學習的事物多不勝

數

,一個計劃活動未如理想,還有許多其他

次那個有進步,這表示教師和幼

兒也有得著 和探索

', 這

活動

可以

足

。如果這個計劃活動

比前一

人提議

,

解説

和商討等溝通技巧

,這也是幼兒社化的一部份。

廿世

(六) 活 動 中教 師其中的一個角色是懂發問的技巧去刺激幼兒學習的 興

趣

0

幼兒會很容易跟隨別人的答案,受他人影響而説:「我也喜歡。」反而 下幼兒是很難作出抉擇,而篩選是需要時間去思考、比較才能答出 應 活 動 免發問:「 的 初 期 **况是**運 你最喜歡那種食物?」這類問題 用發問技 巧的時候 ,因為在未經 一節選 , 況

教

師 且 的

Ł 教 思考怎樣解決 可 師應 以這樣提問幼兒:「你想認識那種食物多一些呢?」 引導幼 問題和匯報他們的發現 兒去完成工作,並在需要時提示幼兒去

<u>入</u> 跟進的,不是為問而問。幼兒學會分工合作,觀察完畢 在實地觀察前,幼兒會先列出一連串他 他們又會向其他幼兒匯報自己的記錄。幼兒學會了接 題 教師要看他們是否在參觀後找 到答案 們有興趣 ,問題是要 知道

常甚麼 句説 有把 師會將幼兒的説話記錄下來,但不必記錄幼兒的每一 當 話,有發人深省的才記下。教師初學計劃活動通 時精彩 下, ,部份記下來,實為可惜。教師真的要學 更有只 《看相片寫字句沒啥意思,又沒

九

納

他人的意見,這是合作中很重要的要素。

+

師鼓

勵

幼

兒

多利

用

圖

畫

模型、文字、或話劇各類不同的形式向別人解

他

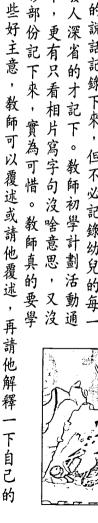
所學的知

習選取幼兒一

見

幫助

幼兒反思及進一步思考自己的提議





(十一) 教師要懂得好好地展示幼兒的作品。

(+=) 字描述照片,和他一起記載下來,這些都是在接受了 次教學方法的培訓後,教師在帶領計劃活動的技 以重温經驗。教師或家長義工可與幼兒討論怎樣用文 師又 可 邀 請 幼兒 將照片依次排 列,並解説照片的 巧

(十三) 零零零年,教師又提交了七份新一期報告。支援 告,旨在反映教師在培訓尚未完成前的質素。 組 上有所改善之處。在九九年教師提交了七份計劃活 ?得更專業地展示幼兒學到的知識,使家長,使社 長黎嘉敏園長協助分析比較兩個時期的報告。 到了二 小 動

教師也為成倡導者,協助推廣「新教育概念」。教師要 '和事,背後的運作是大大豐富了幼兒知識的領域 索別人 士, 使政界都明白我們做的業績。描述幼兒怎樣去 的 工作崗位,追溯事物的源頭,當中牽涉的 ,這 會

切有助顯示教師的專業,賺取社會人士的尊重。

(一) 教師在帶領計劃活動的過程,有更多的活整體來說,有以下的結論: 參觀、發現等)而 作伸延,幼兒主導性明顯較強 ٥

動是順應幼兒的意念(例如提問

(E) 計劃活動的發展較前來得自然流暢,避免了活動為了要設計一個活動而做 幼兒在各園中皆能向家長和同學講解計劃活動的過程



玩 許多人在教學上,仍是活動與活動 沿活 動 · 實有失於「計劃活 動」的精神 間沒有連貫的學習焦 點 , 而 敗 於串燒「

四 教 動 師能 教 (學的原 讓 幼兒取得更多第一手的 則 , 而 且把 幼教提昇 經 不只 驗 , 足 自 2「托兒」服10行去觀察、

服務 記

錄

整理

、實踐活

好

<u>£</u> 教 師開 始 作多元 化 的 記 錄 , 為思考教 育

(六) 教 師在展覽活 動 的技巧也有些提昇

師學會要兼顧培養幼兒性格或學習態度的發展,不會只著眼在活

動內容

(七)

教

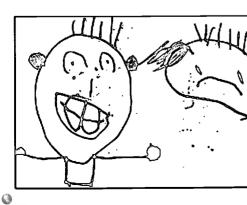
識技 教 想想在「計劃活動」中分開評核幼兒所學到的(一)知 (師較 巧及(二)學習態度 能反思幼兒獲得的知 識 以及吸 收途徑 ,也去

九 現 時教 了傳統課程的主題,更貼切幼兒本身的生活體驗及 師選 '取計劃活動的主題也來得比較生活化 擺

知 興 脱 趣 所在

前 麼 瞻 這 教 概念 師更要學何時參與,何時抽身作觀察, 教 師仍 0 需學習了 解何謂

的支援才是恰當。這許多都涉及深層的思考能 所教不再是紙上文章,或離題萬丈 「幼兒主導」 何時給予什 非教 力 教 師主 師 不

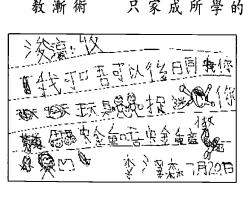




否在 斷反問自己希望幼兒從各種學習活動獲得甚麼知識 ,使幼兒真的了解深刻,日後運用出來才有意思。 這方面有所裝備?另外如何引導幼兒作深入思考,發展橫向思維 ,有些活動是重覆鞏固某 , 敎 師更需 概

只是著 的時間 活 的 因 工上。這 ,但各項活 時制 動 但過程空洞,報告仍局限於展示幼兒的圖工,枉耽誤大家 模 重培養幼兒的藝術發展,將所有精神都花在製作精美 師在 熱 。教師也要清楚教學目標,預先釐訂教學目標,免犯只 型。教師要知學習過程才是重要的,做了些「美麗 鬧氣氛 宜 又豈是「計劃活動」教學的目標?可能最好的教學 動 取活動主 圖工又何必一定要做花邊多多的繪畫或做不 往往學習意義不大或沒有關 ,製造驚喜的謬誤 題的一環比較弱。部份教師仍著重不斷計劃進行一連串的 連。有些教師仍然 知所 的 熱衷於透過計劃活

師在 由 這 敎 方面 論 師主導轉變成幼兒主導。這是一個很大的轉變 師 對幼兒和教師,成長也需要經過各個階段 不 的嘗試實在值得讚許,但仍須努力 能一成不變 ,我們需要有創意的教師而不是技 , 教師已 ,幼兒教





動活

計 劃活動報告範例 ---風扇

型手提 在 風 一次停電中,幼兒對 扇 回園分享,他 們發現風扇上有開 風 、扇的探索產生濃厚的 關 掣 , 有扇葉 興趣 ° A 有 組 的 入電池 幼兒 帶了 的位置..... 個 小

螺 「造」的過程相近,有著同一的學習機會。他們用了「十字」螺絲批、「一字」 批 組 的幼 他 技 . 們在選擇螺絲批上也花了不少時間 兒更勇於嘗試去拆 巧,在商商量量下,幼兒用了40分鐘就成 開 一台風 扇 ,研究內部的結 興趣盎然。 功 幼兒學會了熟練地轉 構 。其實[拆]的

過程

力拆

開

了

風

扇

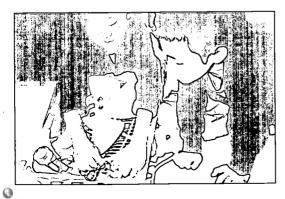
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幼兒 人者更能掌握要決 也 運 ·都有很大 一台鴻 前 跟著 風 指 的成功感。這 運扇 經驗 示去做 的 · 在解説的 A В 組 組 也 把 ,果然 的 握到竅門 被 過 説 幼兒更以師傅的 刺 很 '程中學習得以鞏固 激 明「重整學習」的重 起來 順利地 向 把所有 В 組 態 討 扭 別

風 扇是一步驟,另一步驟是研究風 扇 的 內 部 結 構

用

鑫權則對豪英來 部 對「ON」和「OFF」的開關掣最感興趣,還有「High」 份的接 也 學懂了要畫草圖作記 駁,紅線、黃線、藍 入電芯時「+」和 「一」的符號 錄 線 ,幼兒 他 有很大的幫 們 仔 認真地 細 地 觀 學習 察電線 助





中的行為數據也證實到這一點。幼兒繪圖也習慣了從不同的角度去繪畫 | Super] , [Low] 的速度掣,電器店中的一台風扇深深地吸引了 他 。從 一,前 行動 面 看 研究

面看 ,後面看 , 底部的樣子

已拆

幼兒 | 興級勃勃地提出想做一個風扇來,他們更要仔細去再看那個

扇 。導師給幼兒一些美勞用的鐵線去做風扇罩,讓幼兒自行嘗試去綑, 鉗斷鐵

線是不

幾個 易的

的 碟 (趣讓他 根 其中一名幼兒子鋒更懂得用重疊的方法去將其他扇葉剪 據 風 們分組用不同的材料做扇葉。有幼兒用膠片,有幼兒用彩麗皮 扇 的內部結構 他 1.們不斷討論著那三塊扇葉的形狀及結構,教師按 ,有些用 他

圈,鐵線便很容易被鉗斷的了。」一個小諸葛亮對另一位同學建議。

他們最後自己想出方法解決問題。「你一邊用鉗鉗著鐵線,另一邊拿著鐵線轉

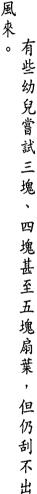
放 在風扇的摩打 完成扇葉製作後 軸上測 ,幼兒急不及待地拿著自己所做的扇葉 試

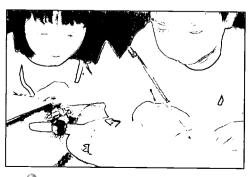
出來

怎麼沒有風出的?

位幼兒明皓説:「 可能扇葉太少。」

會很 吹 出來 少風吹出來。」明皓再試自己的兩塊扇葉 但 另一位幼兒厚俊則說:「多扇葉會很重 轉得 但 一還是很少 便







們

入的 扇葉是要斜斜地放在中間的軸心位置,這樣才可以刮出風來。」 對風 導師和幼兒決定邀請專家來分析:一位註冊電工蔣先生來幫忙,經過一輪深 扇結構的專題研習,幼兒大開眼界。蔣先生更協助幼兒解決 他們的困

另一個問題又來了。

幼兒已照著書本上的指示去製作摩打,但線轆還是不

能 轉動 0

的 風 |蔣 扇 兒 連 生說:「可能》的電力太小,未能推動 中仍儲存著電 説 改 用 電力 ,孩子觸及會受傷的,所以要師傅 較 強 的電池 ,蔣先生說 線轆 用

電

才可製作

摩打。

但你們可以把設計了的扇葉裝在手提風

的摩打軸上,配合自製的外殼,也是你們自己的創作了。」 在幼兒跟前,蔣先生還示範了「科學」通電會著燈的實

幼兒再看自己的風扇罩,也懂得自評。

驗

,原來人體也會通電的。

叉 便向他請教 (向他請教,彼此研究一番。) 現其中一位幼兒孫揚所造的風 認 鐵 和鐵 線之間空隙太多,不太安全。 扇罩既美觀又安全

經蔣先生的提示

,幼兒再查看那軸心,鴻運扇果然是斜斜地插放的。

兒學習到

互相欣賞及學習





86:

深 入許多 葉 了 0 0 這 更 幼兒照 個 發 發 現 軸 版 顯 ن 煮 示 糊 幼 有 兒 地 鋸 去裝嵌 的 齒 觀 察 這 比 終於 從 便 前 可 完成 細

自己造的「

華富牌鴻

包括 興奮 結 分 扇前享受涼風 後 享自己成績的喜 研究 兩 最 ,紛紛用 後 幼 兒向 創意、 不 同 他 推悦論 們 的 紙張去測試風力運扇」。幼兒表 的 和引 及 爸 解 媽 舉行 發佈

個 多月 , 還 記得所學過 証。幼兒在活動完釋學習過程,其中 的名 詞 津 津樂道 0

類

在製作

「摩打」過

程

幼

行

閱讀

説

明書上的摩打製作程

序圖 做

明白後按著程

序去做

。遇上 中,

問 兒能

題

時 自

能

自

行核對程序圖與自己

所

的是

否

相

語

文發

面

做好記在參觀方

D.錄產品上 概過程中, 過程

80 他

% 們

的文字

他

們 技

都能 巧

閲

讀及

有興趣

地 抄

提

懂

得

訪

問的

又

留

Ü

觀

察

好貨品 問學習

價目

分門別



(三)慧琪說出自己的手提風扇並不普通 拆開風 興趣濃厚 業扇」、「鴻運扇」等 扇 後 , 對這些詞彙學得很快 發 現 的 「摩打」、 「銅片」、 對各類風扇名稱也有所認 **,覆述活動過程** 「彈弓」 ,由三至五句句子組 石 兒 工的

成,包含名詞、動詞及加上自己的感受。

四)幼兒多用了「因為」、「雖然」、「但是」、「然後」、「再次」、「而且」、

「後來」等連接詞。

(五) 句子變得更有條理,令人容易明白

(六)在評審風扇罩時,他們也懂得運用數學中學到的名詞,

如:直線、斜線、

社交方面

排列整齊等。

巧,各人樂於聽從,他的領導才能就顯露出來。英,儼如教師般耐心向其他幼兒解釋扭開螺絲的技(一) 一般幼兒對螺絲批,缺乏認識,對此有點認識的豪

(二)各人齊心合作磋商下,智深主動地協助明皓扭開螺 ,大家於40分鐘便完成拆扇工程

(三)鑫權主動地向孫楊請教做風扇罩之道 相欣賞、學習的風氣 ,幼兒養成互

自學能力方面

一) 幼兒樂於參與及專注主動學習的精神,在活動過程 葉便不易飛脱出來。在測試扇葉時,幼兒作出預測 發現扇葉是有鋸齒的,微微插住中間 發現扇葉是有鋸齒的,微微插住中間,原來這樣扇中常常表現出來。幼兒對該活動很感興趣,<u>鑫</u>權還



風 力的 強 弱 並用實驗作出引証

解 決問題 一) 有真實的製作,便有真實的問題出現 研究去解決,試行各種方法去測試效果。如在拆風扇時,弄鬆螺有真實的製作,便有真實的問題出現。孩子也習慣了用自己的方 能力方 面

法

幼兒均能一一解決,先自行試試 不會氣餒及自暴自棄,懂得承受挫敗也懂得去找適當的協助。對事物抱積 問題。 題,造風扇罩時,鉗斷鐵絲也是一個現實問題。製作風扇時,沒風出也是 在最後解決不來時,也懂得請教別人 扇時,弄鬆螺絲遇上問

= 幼兒探究及鐭而不捨的精神, 索、檢查的每一步驟反映出來。 可從他們對摩打的探

極態度。這是難得的,而且值得繼續培育。

(四)每天幼兒都喜歡學習。

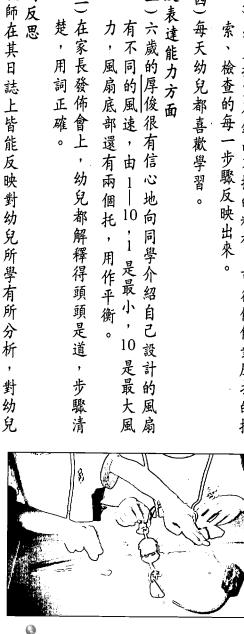
自信及表達能力方面 二)在家長發佈會上,)六歲的厚俊很有信心地向同學介紹自己設計的風扇 楚,用詞正確 力, 有不同的風速,由 風扇底部還有兩個托 幼兒都解釋得頭頭是道 1--10,1 是最小,10 是最大風 用作平衡 ,步驟清

敎

師的反

思

教



專家 和尊重 幼兒 訝與否也不重要了 的學習,最重要是其過 兒 成 及 提 雖 活 問 問 他 幼兒 動 一年資較淺的一位教師也想到自己學習到 這 也 們的 地 盽 沒 曾 製 不 , 決定,這也是難能可貴的,她還覺察到 屈 社 失 兒 提 問 因 交 神 失 , `的技巧也提昇了,更為清楚問問 敗 令 但 程 師深 中的學習,製成品 氣 師 的 有 餒 能 風 深感 扇 給 功 反 的 動 而 喜 不 兒 0 敎 夰 師更 追 亦 美不美 盖 會到 過 敎 題 幼 師

題的級數也是頗有研究性的(請參考幼兒提問表) 兒 的 幼 要 向 兒

總

結

該

計

劃 诰

的

原素,

乃借用凱茨教授的總

結:

個

富

及有資料

的環境

和 做 的

討

論

事

有獨立性 (to do their own work)

最 評定對與錯 (encourage children to evaluate right and wrong) 有興趣?可以問問孩子, 讓他 們幻 想及預 測

所 有的事 (don't try to do everything at once)

考要多 檔案時 錄(documentation)為之足夠? ,要多有孩子的參與



再



90,

好的方法令工作更暢順及有效率 對幼兒的尊重 預留時間寫下記錄,常問自己「我想孩子學到甚麼?」不斷尋找更 檔案時,宜用孩子的「姓名」,如:俊彦的畫有美麗的線條,這 如何取得別人(及教師)的協助,學習如何用「温和」及「有禮」 孩子的能力和智慧

不要低

估

顯

示 記 錄

師要

的方式去表達

认導孩

子

如:四歲的幼兒展開及探討計劃活動,三歲的幼兒則只參與活動 計劃活 動若 以混合組進行是理想的(可推行至三年級)

learning and excitement) 教師帶出不同的提問/疑問去啟發孩子 不要將「敎育」與「鷩喜」混淆 (never to confuse

腦海內要常記著「小組」往實地觀察(field trip)及討 對其他人有讚賞,有接納他人意見的量度 已有的知識 以不同的方法 論是好的 「新」的主題 不要怕「重做」計劃活動的主題,也不要怕做一些 ,讓教師與孩子一同學習,重温他們



題

3 2

造

於

轉 麼

動

時很容易飛脫出來?

用

途

?

較

凉

ż

的

17 16 15 14 13 12 11 10 9 8 7 6 5 的 的 12 有多少台風扇? 否 不到 有多少 有很 風 的 種 用 何 途 ? 類 不 18 分別 ? 從 ? 同 是什麼意思? 涼 那 的 用 2 吱吱 風 種 裡 ? 類 扭





計 才是樹 活

7 為 的 麼 否在 齡最多有多少歲 樹上居

住

?

?

, 這

是否替它抓癢?

麼多東西

?

鳥 有這麼多種 要 功 砍伐 落葉 也有昆蟲 用 否給自己 果實、 ,是 樹木 類 , 蜂巢 否 樹葉 有些不 的 樹 ? 做 本? • 裸樹 個 落 這麼多東西? 洞 .巢嗎? 也有? ? 居 住

8

啄

否

18 17 16 15 14 13 12 11 10 9

有

根

?

做成木

有些沒有?

木材? 有花 氣為

為 是



色 玫 瑰花沖出

放多少茶葉呢 竟怎樣才是合適

的水温 來的茶是

呢?

不

是紅

色呢

32 31 30 29 28 27 26 25 24 23 22 21 20 19 怎 否不 樣 用 飲茶 多 的 用大茶壺還是 可 同 少 價錢是否很貴? 才 種 以泡出 買到茶葉? 些茶的 來沖 間 有 不 類的茶葉有不 會飲到茶葉? 種茶葉? 來泡茶? 茶外, 味道很苦? 麼好處 一杯好 細 茶壺呢 味道 還有什麼其他用途? ?

的茶?

37 36 35 34

麼

食物

對大便時會暢通些呢?

痰呢

?

會感

肚

痛

? ?

肚

餓 到 統

計

活

動

班

同

的泡茶方法?

竟

後

會去

哪

是什麼?

古

58 57 56 55 54 53 52 51 50 49 48 47 46 45 為

用

電

源

聲

弦

線

邊

的

有什

麼

功 ? 麼 同 出

用

?

底

個 孔

洞

?

古

形

的 什

些

細 麼

小

Ξ

角

形

有

功

用

毎 要

出

不 發

聲音?

古

為

會走

一音?

古 什

筝是 麼

用

?

用

弦

發出聲音?

調

音 便 的

工

具

,

還要拿

是 計 活

嘔

曲

呢

會彎彎曲 吐 口 呢後 ? , 不 會從口 ?

44 43 42 41 40 39

多

喝

更

乖

及

有益

嗎

?

要

睡

眠

?

走

路

中流 出或 吐 出的

呢?

長 色有 短 黄色?

線

綠

辦 有 有

的

古

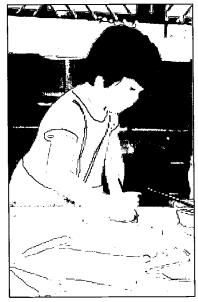
弦

線

不

能發出聲音呢?







雀鳥身上會長

71 70 69 68 67 66 65 64 63 62 61 60 59

BB 是否雀媽媽所生?

那種雀鳥的嘴這麼長?

所有雀鳥都會飛?

種雀鳥的羽毛是這樣的?

飛?

嘴那麼尖?

滿

羽毛?

方是怎樣的呢?

?

雀鳥是否用鼻呼吸? .鳥的鼻子在那裏?

麼雀鳥的蛋會有不同顏色? 有牙齒? ,雀鳥便不能飛?

究竟在説什麼呢?

鷹是否會吃人的呢? 鳥BB 身上無毛,這樣牠們是否覺得非常寒冷? 麼貓頭鷹要夜晚才出現呢? 鸚鵡的嘴是彎的呢? 會否互相傾談呢? 地 맫

鳥BB在蛋裏面會否被焗死呢?



47

91 9089 88 87 86 85 84 83 95 94 93 92 交如計 尚志 詠卓 業俊敏可 司 駕 頛 玉 浩 駛通 琳瑩 楠文岐而兒 機 何 劃 維 位上的鏡子是否能清楚看到上層時要怎樣留意路面的情況?'督導員有何工作? 活 ·為什麼埃及人喜歡·為什麼埃及人喜歡·為什麼埃及人喜歡·為什麼埃及人要問 鈪 ? 為什 為什麼埃及人懂得做木乃 為 為 動(高班) 什什 麼埃及 '人喜歡帶這樣多手'人喜歡動物? 的文字與中國動(高班) 喜歡貓 的 方這 身人 用 王 布 마 飾 樣 條 面 法 很 像? 老王 多沙? 把 漂 亮 伊 的 屍 不

8180

雀 鳥鳥

媽 有

媽

會否坐

爛 的

牠自己的蛋呢?呢?

探

索

ž

旅

雀

否

分

男女



101100 99 98 97 96

司 "見到巴士上的樓梯是彎上去的,為什麼?"何新巴會選擇橙色為主要顏色? 何地上(巴士廠內)會有一行行的凹位? 如在駕駛途中感到身體 駛途中燃 巴會選擇橙色為主要顏色? 要否付費用? 會怎樣 不 適 辦 ?

如何處理?

情況?

行 動 研究報

甲 研 究

師 活 對計劃活 動救 世 軍幼兒 動的 動 み研り 服 認識 究是其中一 務 部 。行動研究在第二年進行,目的為評估計劃活 獲得優質教 個主要項目。計劃 育基金撥款資助 的 第一年為培訓年,進一步深 ,進行一項為 期三年的 動 的成 效 化

後一年將 行動研究的結果發放於互聯 網 上 0

(一) 幼兒在司語文運用b)主在下列兩方面的成效: 動學習以及以社交發展三方面的表現,

法

,

動

研究

, 旨在

評估

枚

世軍幼

兒

服務部

轄下幼

兒園推行之「計劃

活

動

教學

一的成

敎 師 從教學主 導到 幼兒主 動學習的轉變。

得 不 是為 優異的成績時 七年我在 行是次研究的 了在標準試 伊利諾大學一次研討 ,如何是好。我感到萬二分的疑惑, 原 中取得優異的成績,而是為了提昇幼兒的學習, 因,主要是受到來自家長及 中,聽到凱茨教授談到幼兒在計劃 教師看 因為推行計劃活 重學業成績 的 建 活 立 動 力 幼 的 兒迫 的

閲 自

維

所

.想嘗試用傳統的研究方法,來測度幼兒在「計劃活動」教學法吸引。他反對使用常規測試評估幼兒的能力。我很認同他的看

斯基(Vygotsky)的「牽

動孩子的心

眇 J(Engaging Children's Minds) 時

我

法 開 0

,教案的傳統模式有很大分別

書寫

能

力

我 讀

形象及學習潛能

0

計劃活動跟

教

師準備詳盡

(乙)研究方法

研究對象

研究 行動 查 適 園 中, 一對象共有12名 0 以隨 (的3間幼兒園,代表計劃活動教學法推行的不同程度 研究。根據一九九九年二月計劃活動報告的成績及各園的表現, 研究 並需要控制資料的數量。在將來,我們可以再在16間幼兒園推行經過改進 機 對象包括 抽 樣的方式在 幼兒。香港大學的劉麗薇博士協助設計是次研究,劉博士認為人 12 幼兒及6 位教 3 間 多與研究的幼兒園選出4名高班學生(五歲幼兒) 師,他們分別來自救世軍轄下其中多 0 園3的評分為優異 分別 選 間 出參與 幼 的 園

評

估

表

設

計

1

的評分為中上,而園2的表現則屬於一般。各園的評級比較主

觀

٥

以 衡 量幼兒在語文能 在香港大學劉麗薇博士的協助下,救世軍幼兒服務部製訂了行動 力 、主動學習和社交發展三方面的表現 研究評估表

資料 搜集

主 。此外,幼兒的集體創作、 行動研究以多元化的方式收集所需資料,其中以攝錄計劃 教師日誌、幼兒個人檔案和計劃活動報告均成為定量 活動進 行時的情 況 為

資 料 分析

和定質分析的依

據

集所 表 的 越 評估表上的一系列 好,得分越高 `數據以定量方法進行分析。評估員翻看計劃活動錄影帶,計算幼兒在某一項 次數 , 再根據 。另一方面,定質分析則用作分析教師教學態度上的轉變。 行為次數評定幼兒在某一項目上的表現。 項目描 述 幼兒在 語文 、學習和社 交三方面 評級由一分至五 的 表現 0 評估表上 分



一搜

兒 與教. 後 拍 期 3 . 攝 師 個 毎班 採 的 觀 情況 取特定的次序拍攝,每名幼兒拍攝IO分鐘,依次為A、B、C、D 段 觀 進 行 .察5次,研究共有15次觀察。觀察時需用兩部攝錄機分別拍 取有系統 一號攝錄機用作拍攝教師及課室環境,二號攝錄 :第一階段 的拍攝方法,分別記錄各師生參與 為活動初期 第二階段為活動中段 分計劃 活 , 機則用作拍 動 第三 時 的 段 況 為 活

有另 行 重覆 同 教 拍 短 時間 時 以(1) A, B, C, D的次序拍攝每位幼兒 10 分鐘。在課室內經常會有兩部攝錄 兩次; 攝 一個版 並在 拍 。計劃 在拍 攝 領 看 別 最 此 兒 的活 小組 本, 攝 時開 負責人希望減低對象對攝錄機的敏感度,並試行拍攝方法 來像是很簡單。原來設定用一分鐘的時間拍攝每位幼兒 為 而 而第四 合適 非 和討論的情況。另一名教師則負責拍攝班上進行活 教 除了優質教育基金聘請的研究員,我們也動員了一名資深 動時,中心主任也會協助拍攝活動的情況。研究員只負責拍攝 始 及第五次則隨意拍攝。經過三次的拍攝及商討後, 拍 師 ,遂將第四 攝 教 遂將第一 師。第三次的時間為5分鐘一次,以A,B,C, 次與第五次拍攝時間定為10、 次的拍 攝時間改為15 分鐘。第二次 分鐘。第三次 動的情 , 大家認為 的時間 ,所以 敎 師認 的 況 的 D的次 教 。在 為 決 為 師 定首 攝 10 時間 10 進 拍 還 分

主要資料的不足 選 出 四 們 名 只有極少研究的經驗,即 幼兒 。這批幼兒也是以隨機抽樣的方式選出。研究原是以隨機抽樣的 兩 男兩女作為對象,代號為(2) 1,2,3,4 使冒著資料過剩 的危險 , 我們 在 這些資料將 每間 幼 兒 園 可

方式 選 出對象, 但結果他們的年齡與設定的完全吻合

攝 攝全班的情況 1,2,3,4; 以A·B·C·D;A·B·C·D次序拍攝第一批對象各十分鐘。其中一 還 有第三 1,2,3,4 的次序拍攝第二批對象各十分鐘,最後一部攝 。教師表示當攝錄機拍攝幼兒和教師時,其餘的幼兒也在 個 拍 攝 版本 ,第四次拍攝時課室內有三部攝 錄機 。其中一

部 部

拍以拍

攝

進

因

此

有需要將這些活動記錄下來。

她 次而非三次 0 預 期 拍 師的片段不是用作比較推行計劃活動前後的分別 兩 攝 次 敎 師 的 拍 的 攝應 情 況 由劉博士導修的博士研究生所設定,在其中兩次觀察時進 該能夠 提供足夠的資料分析教師在計劃活動下教學態度 ,因此拍攝教師的次數 公只有 的

金撥款 在 工 作者來說都是一個新嘗試 他文章中 進 行 助 這 次 , , 而 研究實在有很多地方需要學習 教師及中心主任亦已為研究作好心理準備 以作將來逐一跟進 。適逢管理階層亦計劃進行研究之時, 相信獲益 ,而教 更能擴散 師教學及培 0 這次 , 各 種因素造就了進 研究對許多學前教 訓的資料 得到優質教育基 亦詳盡記 行研

以 下 ·是我 們的得著

的契機

拍攝 研究設計原定由 過 攝者 程 經 過 三番四 班 次 上兩名教 的改 動 0 師的其中一 日 後 再做研究時,拍 位負責拍 攝安排便 攝 考慮到這個安排會影 不 用杠 - 費時



響平常由兩 第 _ 次 拍 位教師合作教授的教學模式,所以 攝 開 始 , 改 人為抽 調其他 班的教 師負責拍 後來決定由其他人負責拍 攝 0 攝

1.2 拍 現收錄了很多雜音,沒法清楚聽 攝 拍攝 境 肝時園 1和園3的課室環境非常嘈雜,計劃負責人翻 看錄影帶 時

1.3 i 拍 注 攝 意 時 錄影帶上要有時間 需 注 意 的事項 的顯 示(錄影帶上的 日期也要準確)。

此自第三次拍攝起,便安排將進行計劃活動的小組到另一些課室進行活

到教師和幼

兒

的說話

動

故

 $\ddot{i}\dot{i}$ 拍 攝 時要確保背景安靜整潔 ,以保持畫面清晰,這需要拍攝技巧和選

合 適 的角度 ٥

iii 生 拍 個 另 活 的 攝 事。 動情況 時 一方, 不要只 若 有更 幼兒與幼兒之 將 須 拍 全 鏡 面 攝 頭 他 的 鍞 所望 了 定 間或 解 被 的 拍 幼兒與教 方 攝 向 的 和 幼 兒 ·對象 一或教 師之間有交流或 師 從而令研究人員對當時的 , 觀眾需要 以談話 知 ,或幼兒 道

iv v 任 資料 攝 何 資料 錄帶翻 時需清楚 作為研究之 記 到 錄影帶時,在未分析前 拍 攝 日 用 期 0 ` 盽 間 ` 對象 , 不 , 要作出任 活 動 ` 計劃 何剪輯 活 動 進 , 避 行 免 的 遺 時段

漏

沒有參與研究評估訓練 名 評估員 ,此名評估員來自其中一所參與研究的幼兒園, 的幼兒園 園長再行推薦 兩 名 資深教 師擔 任 評估 加 員, 入這名評估員的原 後 來 加 λ 第三

 Ξ

取

現場

所

眼

2 評

估

園

花

鍾 三人協助於 份評估表 研究的範疇,最後我們決定邀請劉麗微博士及鍾愛雯小姐為是次研究 人協助較多, 。劉博士亦多交由其博士生鍾愛雯跟進。在一般研究方式上 但礙於未能把握計劃活動的特質, 故未能 貼 切 訂 出 提 問問

博士外遊關

:愉對研究方法不大認識,對計劃活動也只是兩年來從旁知悉

係,研究的資料搜集工作需於在三月至七月期間完成

寫評 2.2 2.1 的共識 在 評估員還是在某部份的差異較大,因為有時教 容有不同的理解,經過討論後,問題也能迎刃而解並取得共識 很 寫評估表。評估員在需要理解畫面的同時,又要一 多,評估員需要對畫面有很快的理解,以15秒的時間翻 估 好的訓練,日後記錄幼兒表現時亦能適用 訓練中兩位教師填寫評估表時所出現的差異,多是由於她們對錄影帶的內 ,因此最後只用兩名研究評估員負責記錄今次研究中的行為表現 的 ·時間 0 師在 面選擇適當的項目。這是 錄影帶中的說話 看錄影帶 , 0 和表達 以15 秒填

意是

測

"試彼此間的差別以及訓練多一名評估員。後來發現首

兩名評

估

三員有

較好

0

較

填 研究 過於疲倦及沉悶,遂將評估時間 原定以一個星期進行評估,以整日時間翻看錄影帶及評估。為 表 由全日改為半日,延長至兩星期。評估員最 避免評估

1

的錄影帶分給兩位評估員回園各自進行評估。 了一星期一同評估了一間幼兒園,在大家取得共識後,便將其餘兩間 幼兒

研究原定採用一套有高信度和效度的評估工具,後來發現這套工具並 不適合 再 訂 定 測

,故只能

。研究主

-, 劉

,

排

員

及後在分析工作上,幼兒服務部均投入很多,補貼優質教育基金津助。上評估表,故在「沒問題」氣氛意識下,也就完成初步研究。所花人力、物 0 計劃負責人在該段時間往外地開會,亦未能全身參與,只提出一些問題 加

填寫評估 · 給各幼兒園、幼兒、教師和班別一個代號,評估表上不應填上幼兒的真實 姓 名 表時需注意:

ii 作評估,這樣會較為客觀。 將來若這份評估表廣泛應用於各幼兒園,建議由另一間幼兒園同級

iii 評估表的修訂

1 拍攝 每間幼兒園 需要分配教室以便拍攝能在一個安靜的環境下進行,以便清楚收錄師生間的對話 一定的拍攝編排。教師表示因等候拍攝隊而需控制活動的進度有一定的困難。 共拍攝了5次,為配合各幼兒園日常的運作,每間幼兒園也有

份,為配合救世軍現行所用的計劃活動評估表(Project Approach Assessment I) (PAAI)。 反應」及「幼兒踴躍提問」等。又在每一頁對每項活動加以描述,語文運用的部

在評估表的初版上增加了幾個項目,例如,「幼兒對其他幼兒所表達的意見的

ii 用30秒的時間填表:15秒翻看錄影帶,再用15秒填寫。 幼兒觀察部份:在評估表中加上PAAI說話及書寫的部份以作出一個較全面。RI

4

評

估表

ii

3

反思



的 教

iii 教師觀察部份:評估員在翻看錄影帶時填寫了第二和第三頁,但第三頁應在

看錄影帶後才填寫。

iv 評估幼兒:第四和第九頁需要在翻 影带後才填寫。 看錄影帶時填寫 但第五頁是在翻

開放 兒思考和回答,避免在同一時間向幼兒提出太多問題 初 期投 重返教學崗位時仍牢記表上的項目,緊記改善自己的教學,提醒自己要多提出 評 問題和給予幼兒適當的鼓勵,多些深入探討問題。教師需預留較多時間予幼 估 員評 。此外,計劃活動的進展也漸趨自然和流暢。評估員對評估表印象 估 了園 1 和園 3 時發現,在活動後期,幼兒更積極主動參與活 深

者 不要向幼兒提出一連串的問 給予教 師提 問 啟發性 問 題 的 訓 題 練仍未足 夠 教 師需 進 步受訓成優秀的

 \in 訪 問 石評估 員分別 往

名

不

同

的

幼

兒園

訪問教師和幼兒。

3.2 3.1 問的內容 以鍾 姐 的指引為依據,在將來可以加以修訂

四 敎 師日 整體來說 可從教師日誌看到教師的反思,引証幼兒的進步 兒面對著陌生的教師可能會顯得害羞,不大多說話。 盐 ,五歲的幼兒一般都能清楚表達自己及 回想起活 。教師 可 以 從 的 計劃負責人 過

或 園長給予的評語中,學習改善寫日誌的技巧。

園多的教師在

日誌中記

有些

聆聽

使 他 供 協 兒 進 協 主 助 行 不 會感到 助 動 活 探求 , 只有在 動 教師正希望幼兒學會不屈不撓的同時,也知道有成 時 解 遇 沮 上喪或 必要時才會向 決 到 問 的 題 困 不願意去嘗試及形成害怕失敗的心 的 難 方 , 這 法 他人求助 , 顯 這是主 出 教 師 動學習的好 0 一些的 幼兒是 思考 知 例 道教師在 。教 子 0 師 理 幼 在 0 兒 . 必 E 要時是 人的支 不 誌 會 中 即 報 持 能 時尋 告 夠 7

習的 予 興趣 幼 兒 日 。此外, 更多時間去自行解決 誌 中 , 敎 教師 師 們 也 又能反思活動的不足之處, 反 省 問題。教師表示學會了提出適當的問 很多時候是 自己急不及待要說 可見教師能夠 出答案 自評 題 0 他 去提 0 敎 們 高 師 也 可 幼 認 兒 以 同 學

地 動中遇 方 。園 園2的 到 的 一的教師攝錄了幼兒每日活 敎 困 師將幼兒 難和 當幼兒提出 的對話 记記錄 難 題 下來,反思自己帶領 時 動 都 的環節及幼兒值得讚賞的地方。 能 夠提出改善教學技巧 活 動 時的 技 的建議 巧及 如何 敎 師 在記錄 去 改善 活的

五 幼 兒 的 個 人

用

園

長

提

點

,

自我改

進

,這是最好

的

學習

園 3 在 力 錄 教 探 的 師作出的 0 討 改 教師也記錄了幼兒之間的對話 變 風 分析 扇 和描述 這 個 活 0 動 園2只記錄幼兒全體 報告中,教師多記錄個 ,但沒有分析幼兒在活 的 工 作 別幼兒的工 , 而沒 動前 有 後 個 語言 别 還 的 記

園 告 1 個 更比 在 初 報 步的 告開 較 了幼兒在不同活動中的表 認 首描述了幼兒的 識 。報告有語文 能 語言能 力 , 力 現 數學, 和 , 幼兒 較 社 少個 交和學習能 的 人 特 工作的 徴 讓 詑 力幾 讀 錄 者 個 和 對 部 幼 圖 份 兒 0

,

師也有對幼兒的工作作出了分析。



告實在需要既 師需要繼續學習怎樣有目的地記錄計劃活動報告。在學前教育這行業中,報 精 簡 而 又能達到 目 的

J 研究結果

高 嘻 估 員根 研究結果顯示幼兒在 現越 現 據幼兒參與活動的頻率來評估幼兒在不 '出色。我們分析幼兒在活動中三個不 以下的結果是以百分比顯示整體 幼兒的表現以5分來表示 、2)主動學習以 得分越 幼兒 同 同

(1)語文運

用

及③社交發展三方面的表

現

0

語文運用

平均表現

0

及 語文運用方面 表達能力。在評估表的眾多項目中 的理解能力由「幼兒能跟從教師指引獨 我們主要分析幼兒的理 i)

已有6%的幼兒在理解能力這項上得到3分 工作」一項中反映出來。在活動初 以上。當中有20%幼兒的理解能力更取得 期 圖

上 提

的

人

昇

在

活

動 繼

中段 續進行

圖二】

幼兒的

當活 0

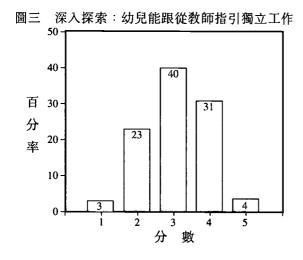
動

4

分或以上。

例已上升至25%,比較早時期上升了5% 理解能力取得4分或 理解能力也隨之而有所 幼兒能跟從教師指引獨立工作 50 40 36 百 30 分 率 20 10 6 0 2 3 . 5 分 數

108

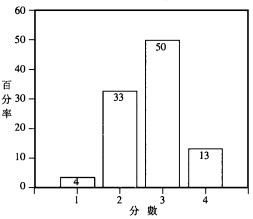


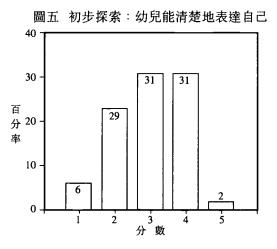
%分 。或活 以上的幼兒佔整體的35%,與活!動後期【圖三】,越來越多幼! 動初在 期理 及解 中 能 期力 時 比項 較上 取 人數分別上升了15.得高分。這時期的 了15%和职职得

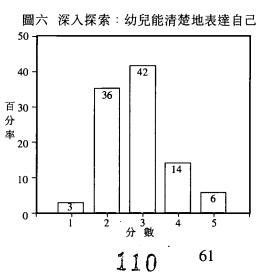
10 4



圖四 思索期:幼兒能清楚地表達自己





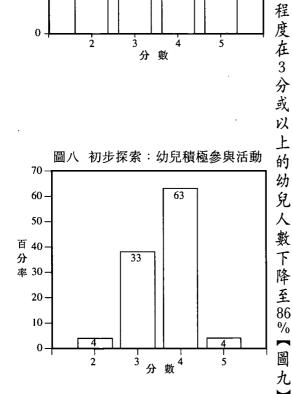


31 或有 有高度表達能力的幼兒人數更上升至6%【圖六】。 兒 以 邏 上 條不 升幅超過 達能 說出有意義的語 紊地 四 力 有 表 0 達 同一 明 自己 時間 圖五 的進 因而在此項上取得5分【圖五】 。最重要的是,在活動中期,有2%幼兒能夠 已有13 取得4分的人數由活動初 動 初 期 幼兒在此項上得到4 63 % 的 `幼兒在表達能 期的 13 到了 力 活 項上 升 至 取 非 後 期 3

训「幼兒能清楚地表達自己」一項成為評估表達能力的指標,意思是説幼兒

ERIC

思索期:幼兒積極參與活動 40 39 30 31 百 分 20 19 率 10 11 0 5 ż ż 4 分 數



和在 所 例這 表 活 點 iii) 達 動 能 中 同 積 力 段 並 有 相 96 初 同 的 别 有6%及6%的幼兒在理解和表達能力面取得3分或 有 在積 助 極參與活 數 參與的程度有多分或 比 例從62%及63% 道 項上取得3分或 項反 達 能力在 微升到67%及 映 兒 相 來 理 .對積 解及 0 當 圖 64 F % 一的 的 0 與此 同 Ŧ. 有81 0

這在

活

理

圖

雖

圖九 深入探索:幼兒積極參與活動 50 44 40 百 30 29 .. 分 率 20 13 13 10 0 3 分 ż ż 4 數

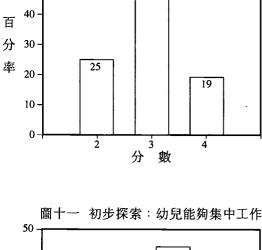
20 和 13% 兩 ·得 4 者 在模型製作的階段,幼兒的智力在製作期有高度發展,幼兒更能專心及投入工作 幼兒人 上的 的 繼幼兒的語言能力,是次研究也分析了幼兒的主動學習及社交發展兩方面的表現 理 數上 兒 兩 升至35%【圖三】 力達3分或以上的幼兒卻上升至75%【圖三】 項皆取得高 有 (達4 42 % 兒 分或以上的人數達5%【圖九】 在活 而理解和表達能力取得4分或以上的幼兒比例分別 分時更為明 數微升至6% 分別上升至5%和3% 中段 但表達能力則從33%微降至20% 顯 幼兒的興趣有增無減 。在活動初期, 圖八】 。但是,幼兒的理解和 圖 參與活動的積極度達4 解能力取得4 五 。積極參與和語文能 引致參與活 圖六】 兒 興趣 的積 能 力 0

主動學習

出的貢獻 別是:

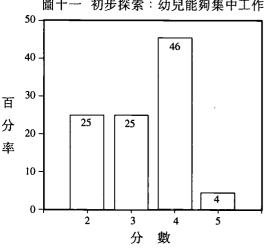
4%的幼兒十分專注於自己的工作(5 分)【圖十一】。由此可見 注於工作上【圖十】。到了活

兒已表現得很主動。



思索期:幼兒能夠集中工作

56



;(一)幼兒的集中能力(堅持與好奇);(二)解決問題的能力;(三)在隊工中所付行動研究著重定質分析過於定量分析,故只提出三個有關主動學習的變數,分 在活動初 只有19%的幼兒在較能集中於工作上(4分), 動中段,多達6%的幼兒較能集中精神於工 而 沒 有 幼兒 一作上 幼有



60

50

· 在探索的

初 段

深入探索:幼兒能夠集中工作 60 54 50 40 百 33 分 30 率 20 13 10 0 ż ż 4 分 數

幼兒 活 動 趣 而 個 的 有所 常見 時 能 幼 要 鉤 的 兒 專 歸屬感 增 7 現 強 注 下降至只 象 對 於 0 最初 自 也會漸 活 就是幼兒的興趣會被其他幼兒感染有所增 動 Ż 有13% 不 的 漸增 大感到興趣 I 作(3分)【圖十二】。這反映著幼兒的 強。很多時,有些幼兒會對該 的幼兒為何會由25% 下 主 降 題 加 至 0 可 13 興趣 當幼兒參與在 % 不感興趣 隨 這 可能

題

其中

些活動探索

興趣卻十分濃厚,他可以找到自己的興趣去發展

但

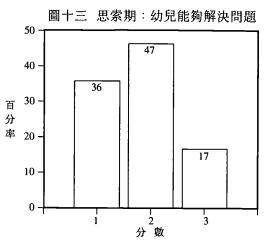
各

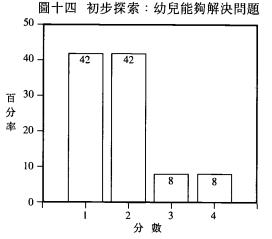
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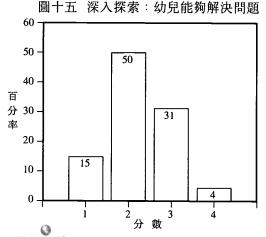
結束的 階 段 , 有5%的幼兒對活動不大感興趣(2分),到結束時對活 雖然有較好集中力(4分)的幼兒的 比率微 降至33%, 著活 還有54 動

不大

的 % 進







研 段 文 理 Ł 究 梖 能 器 的 力 由 市場 設 分析 兒 計是 這 解 沒 採 兩 決 取 問 個 ŝ 計 題 理學常 劃 的 力 能 活 到 到 動 力 用 有 決 就 時 的 明 般 正 技 享 題 顯 水 好 除 平 巧 提 個 的 證 7 能 ,就是出現的 $\widehat{3}$ 明了 頻密程 力 經 幼兒人數上升至35%【圖十五】 分)的幼兒只有了 驗 達 0 這 為 因 到 度外 一點 較 此 È 高 , 幼 頻率 因 的水平(4分) 幼 兒 兒 重要 解 0 這 % 解 在 決 個 决 的 圖 問 盽 是 問 個 + 題 期 質 題 活 Ξ 圖 的 較 的 動 能 中 0 力 表 0 四 力 到 普 現 非 解 風 了 谝 幼 0 常 決 扇 也 兒 活 高 問 動 題 和 中

115 66

的

次

數

可

能

只有兩

至三

次

,

但

解決的問題質素高,學習技

也

複

雜

這

0

如

亦要看其質素。

非

重

一要

因反應不只看其次數

岡十六 - 思索期: 幼兒的合作性 50 47 47 40 30 百 分 率 20 10 -0 1 3 1 · 2 分 數

方面 我

兒參與活動的投在社交發展 社交發展 現作 出 精

幼兒的主

動學習性

神

,

個

目標而與分

活動 向著

報 同

告記

介乎1-3分 思考提 【圖十六】 階段

段時間

正

問的

入程度

0

在

活

,幼兒都只會提,公動初期,幼兒, 兩 個 主 化出自己· 化的合作: 要

因

I)

兒

同

)有興 性

趣 項 的 的

問

題

全

部 的 因 得為

分該

偏

低 所 以

這是

II)

幼

工 作 能 夠 互 相 幇

3努力完成 較 能反 映 幼兒在 吊助,彼此各只任團隊中的表口

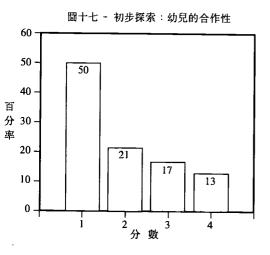
展現

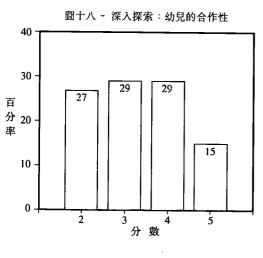
長幼

以兒發揮

所 0







兒反進七 映 出 0 現 但 0 兒在探 在 在 第二個 到了活 活 活 動 動 索的過 初 項 動 期 後期 程中不斷進步,只是幼兒思想和心 積極投入參與的幼兒比例上升至6%【圖八】 幼兒參與活動的投入程度時,乃依照上述三個 積極參與討論讓42% 幼兒都參與在報告的活動,因此取得3 分或以上的 的幼兒在這項上取得4 理上的參與不能透過 階段 分或 隨 著 以 數

數

回

升至

86%【圖九】

在活 動 。在活 中段 動後段 ,幼兒的合作性 取得3-4分的幼兒人數有進 明顯較前頻密 ,已有30%的幼兒在這方面 一步的上升,微升至58%【 取得3-4分 幼字 的 圖 兒

有 39 % 的 其 幼兒明白其他幼兒參與的重要性 幼兒 的意見 0 這 説 明他 們懂得在別

人

説

話

盽 留 ŝ 聆聽 並 接 納 他

兒 的2%看出。這是一 、3-5 分的高分數,這証明了幼兒對活動是學」評估幼兒的參與程度時,整體上有85% 的 的 低不感興趣的幼兒比例由初 興趣 幼兒的興趣隨著活動的進展而 括 來說 傳統 , 的 計 劃 個計劃活動中常見的現象 般 活 是33%有興趣 動 比 傅 統 期的 的 教學模 19%下跌 加 ,在這 式 至 更能 這 同 維

活 持

隊 的 服 作 幼兒增及 實 要 Ŀ 至 96 而 計 % 功 的 動 具 重 強 一幼兒 兒 調 園 在 可以用作評估 敎 小 師並 組 己的成 及 嘗 全 績 試 班 鼓 個 0 匯 此外 別 報 時發 幼兒的成 認 揮 由

興趣

與課室的環境對幼兒有積極的影

響

,

故

積

極

PAAI將會在二零零一年成為評估個 作評估個 幼兒 别 表現的PAAI改為評估全班整體 師對運用PAAI已相當的熟悉。 引 。再者,PAAI需要進一 別幼兒的工具 為了減輕 的表 証 現 。自 0 教 吸 收 師 九 九 了更多 的 工作 七 年 用 我 以

的

觀察分成多個

不同的活動時段,包括活動初

究

報告中將

28

個

小

項合併成9個大項,

如棒形

圖

所

示

0

叉將 初步討

5

次

不

同

時

期

論

期

,即思索期、





118

在 兒 分析 所 索 數據時需要留意這 的 動 創 包 和 不 為 同階段直 向家長 解答 匯 疑 接 個 報 問 因素 影響幼兒的反應, 成 而 果 進 0 0 行 項目 將來再為 的 訪 的 問 和 整 計劃 一合是 實地 毎 活動 研究 觀 個 察等 階 進 設 行行 段 計 都 的 活 動 各有特色 部 研究時,這將會是 後 份 段 為 用 0 因 有 此 效地 , 我 整

禮 總

要

的

考慮因

素

活 醒 要 へ操 自己 (研究 動上 練 , 必 要 的 須將計劃活 有敏捷的思想,還要發展橫向思維。面對著鏡頭,她 看到幼兒進 敎 師在 會議 步時,教師感到所付出的一切也是值得的 上 動 |均贊同研究給她們一個自我提昇的機會:她 的理論實踐出來。雖然花了很多時間和精 們會經常 神在計

動

究

也

為

我

有反 讀更多跟主題有關或無關的故事。除了幼兒自己寫的故事外,還可跟個 動學 行 兒 和教師所寫的文字時合乎語言經驗法(Language Experience Approach),可 如 表 省 教 習 的語言能力的提昇已是無可口非的事實。還有實証 已有一 研 師在 精神 班 用的文章 幼兒 幼兒描述他們的作品時, 定的了 分享他們的其中一節記述 有很好的思維。這點讓我們重申: 們 解和 提 我們將能更確實地評估幼兒的 供 熟 培 習 訓 , 的 可 好 以協 機會,參與研究的教 將幼兒的說話多些記 助 訓練其他教師使用 切勿低估幼兒 語文能 師對 示 這 錄下來 力 研究方法和評 個 0 兒 幼兒閱讀 研究方法 有強 的能 , 再 輯成 以 力 烈 È 閱 自 0

我

研

究

結

果

感到满

,

尤其是

怎樣為

計劃活

動進

,這套方法

可

訂

新的問題 行研究

,又或用相

以

供

其他學校仿效

。我

們 意

可以利用現時的錄影帶擬

同 的 研究方法去搜集其他資料

 \equiv 數據 組員面前演説;33主動地探索物料;第七頁的第八項:專注於工作上。在數項項目上有最佳表現,包括:評估表中4.耐心聆聽他人的分享;7.7 在 分析 可以証明園3的平均分數最高,顯示該園最能靈活運用計劃活動

四 數 師教學態度的轉變不但在圖表中反映出來,也可從其他資料中(問卷)找到 值 奴據 0 教師漸漸由帶領活動的主導者抽身成為輔導及支持者,循序漸進。教 。教師越來越醒覺需要給幼兒更多探索的機會,這點可從教師訪問中 顯 示 , 幼 ,兒有以上表現的出現次數相當頻密,這証明計劃活 動

的

引

看

出 証

, 教

師也察覺到自我進步。

五 學概念,因為救世軍轄下的幼兒園是採用蒙特梭里教學法另行專注教授數我們對推行計劃活動抱有信心,縱然在這次研究中,我們最後也放棄了數 學 的 可以更有系統地加插生字表。為進一步証明計劃活動教學法可以 街

用這套教學法(專題研習),而不單是於課餘時的興趣 計 劃活動教學法將一套有效的教學理論實踐出來,我們盼望主流教學亦 有優異的成 小學的課程,我們收集了已升讀小一的幼兒的成績表,平均來說 師 績 小組才採 用 0 這需要教 , 他 師 可以採 都接

究 方法可用作其他研究, 們 確信計劃活動(專題研習)的廣泛應用切合21世紀提倡的橫向思維,這個 如計劃活動中不同階段的質素。我們願意與人分享 研 化

`

家長新文化、社會新文化的接納



動研究後的感想

育基 .學前教育的成效。我們非常贊同林博士的意見。林博士是定 金贊助 初 期與香港大學林裕康(Dr. Raymond Lam Yu Hong)博士分享這個 計劃1789時,他告訴我定質分析是比較適合研究計劃活動教學法 由優 質教

之一,也便成為我心目中的顧問。林博士在計劃三期中的第 期1998/99 來參觀救世軍幼兒園並給予我們寶貴的建議及 和Project Approach ,NAEYC 論壇提出的吻合。維高 研究方面的專家,也是優質教育基金(1998)監察小組的成 林博士認為教師的回應與觀察幼兒的行為是同樣重要 0

(Vygotsky)同樣反對利用常規測試去評估幼兒的能力。

計數字來支持我們的前設 唯有以簡化的數據去研究人類複雜的行為,透過研究中一些統 由 於目前一般人都要求以數據去証明研究的可靠性 ,我們

(NORMS)。我們比較過後發現幼兒的程度已達到甚至已超過這 Opper早前在香港進行了一項深入的研究,為香港兒童的發展制訂了一個 借予我們使用。可惜我們後來發現這個指標並不適合我們這項的研究使用 個常模標準, 但我

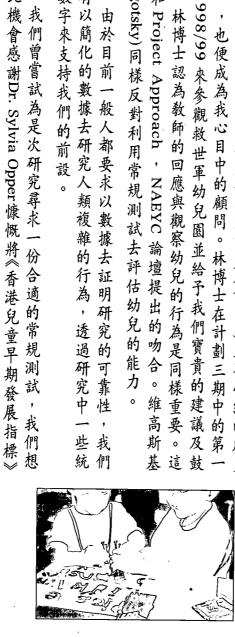
此

我們曾嘗試為是次研究尋求一份合適的常規測試

,我

們想

們不能確定幼兒超常的程度。此外,我們也希望更深入探討幼兒特定幾方面的





究方 能力 合適 師需 試 生李輝先生為我們將香港早期兒童發展指 表 法 造 時,李先生將幼兒個別帶到一個測試環境 。結果我們最後決定放棄採用 並 動 成 現 示該 的評估工具 。我們花了頗多時間尋尋覓覓 期望行動研究能在課室環境下自然地進 為 用翻譯本在救世軍卜凱賽琳幼兒園試 的 (的滋擾減至最低,所以我們繼續尋求另 測 測 第一 園幼兒的程度已達到及超出香港的 試 試 的項 準備 年)十一至十二月期 0 目並未能反映「計劃活動」的成效 批 八教具 0 經過幼兒服務部內 間 這 我 個 , 去找 指 們邀 標 行。李先 0 之請了. 常模 標翻 位 行 進 在 研究 行 行 測 港 為 部 譯 九 0

敎 因 育基 的 助 也 責人在分析研究資料後撰寫計劃 要在二零零零年九月到教育學院進 設計 金撥 加 二零零一年五月到 在 究員 計劃 研究及在 了 兩 款 名 在劉博士的協 聘請的 的最 幼兒 課室觀察 . 後 園 研究員外 一年,香港教育學院的陳鉗笙(Dr. Lorna Chan Kim Sang)博 教師參與評 訪 的 助 下 初 期 敎 ,兩名 作出 估 師 報告 工 和 修而 作 研究員完成 指 康 ,而兩名研究員則協 導 長 0 離職 也 劉麗 0 課室觀察部 被 務參與這 我 博 了資料整理及 士亦 們 再聘請 份 提 個 完完成 供 助計劃負責人撰寫 了 了 劃 分析的 兩 後 名 救 博士 第 世 工作 軍幼 一名 研究 0 研 4 計 經 究

為

行

動

研

究

付出

了許多時間

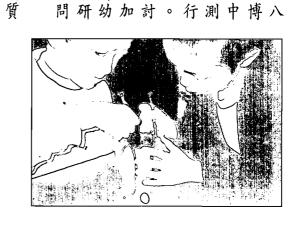
和

S

血

除了

獲優



檢試進

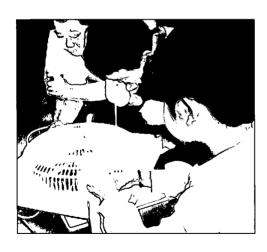
成

生



提交優質教育基金,並預期在優質教育基金的網頁上發放(英文版)。 匯展舉行期間於互聯網上發放給公眾瀏覽(http://ccs.salvation.org.hk)。期終報告亦 1789計劃工程活動」的報告摘要已在二零零一年三月第三届優質教育基金

所累積 好將新知識應用出來。 輯錄成書。我們更希望在未來繼續進行更多的行動研究,我們非常珍惜這三年來 在二零零一年十月,「計劃工程活動」結束後,我們亦將這次的經 的經驗,我們不斷從嘗試和錯誤中學習,特別是研究的部份,我們已準備 驗及感受







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