ED 386 295   PS 023 510

AUTHOR   Erlich, Beverly J.; Bhavnagri, Navaz Peshotan
TITLE   Teacher Change Using Reflective Practice When
                Attempting to Move toward a Reggio Emilia
                Approach.
PUB DATE   [94]
NOTE   102p.
PUB TYPE   Reports - Research/Technical (143)

EDRS PRICE   MF01/PC05 Plus Postage.
DESCRIPTORS   *Classroom Techniques; Educational Methods;
                Educational Philosophy; Educational Principles;
                Educational Strategies; *Primary Education;
                *Reflective Teaching; *Teacher Attitudes; *Teaching
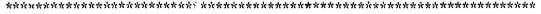   Methods; Teaching Skills; Teaching Styles
IDENTIFIERS   *Reggio Emilia Approach

ABSTRACT
        This 4-week case study followed a kindergarten
teacher (the first author of the report) moving from a conventional
teaching approach to one drawing from the philosophies of the
preschools in Reggio Emilia, Italy. The teacher kept a journal in
order to document her reflective practice, and to describe, reflect,
and analyze shifts in her beliefs and practices in working with 5-
and 6-year-olds. Three specific areas were addressed: practices
toward children, toward parents, and toward her self-development. The
teacher then analyzed the journal entries qualitatively by applying
scholarly works on teacher change and reflective practice. Content
analysis identified "idea units," which were coded. Quantitative
analysis was also performed using chi square analysis. Results showed
significantly greater shifts in practices regarding teacher role than
in practices regarding parental involvement, children's
participation, and belief regarding the image of the child. The
following recommendations are made for practitioners shifting to a
Reggio Emilia-style approach: (1) all teacher change is continuous
and ongoing; and (2) the teacher must have a positive attitude and be
ready to take risks, make mistakes, and sometimes fail. (Four
appendices include the journal and idea units for coding the journal.
Contains 49 references.) (TM)

TEACHER CHANGE USING REFLECTIVE PRACTICE WHEN

ATTEMPTING TO MOVE TOWARD A REGGIO EMILIA APPROACH

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Abstract

This is a four week case study of a teacher
changing from a non-Reggio Emilia approach and moving
toward a Reggio Emilia approach. The procedure was
using journal entries to describe, reflect, and analyze
the investigator's shifts in her beliefs and practices.
The results were analyzed qualitatively by applying
scholarly works on teacher change and reflective
practice to the journal entries. Additionally,
quantitative analysis was also performed using chi
square. The results showed significantly greater
shifts in her practices regarding "teacher's role" than
her practices regarding "parental involvement",
"children's participation" and her belief on the "image
of the child". Recommendations for practitioners are
also examined.

REVIEW OF LITERATURE

The Reggio Emilia approach has gained great measure of prominence in the last five years amongst professionals in the United States of America. Recently, this approach has been presented annually at NAEYC conferences and the number of presentations have steadily increased enough to finally have a special Reggio Emilia category as one of the listed tracks. Additionally, articles have appeared in many early childhood journals, such as *Young Children,* (e.g., Katz, 1990; LeeKaeenan & Edwards, 1992; New, 1990;) *Dimensions of Early Childhood,* (e.g., Edwards, 1993) *Child Care Information Exchange,* (e.g., Gandini, 1991, 1994; Malaguzzi, 1994; Neugebauer, 1994) as well as *Newsweek,* (e.g., Hinckle, *1991)* magazine. The content of the conferences, publications, networking support groups, and of Reggio newsletter titled, Innovations, has been on topics such as: (a) organization of the classroom environment (Gandini, 1991, 1993); (b) the Reggio image of child, Benham, 1992; Forman, 1990; Malaguzzi, 1994; Weissman, 1993); (c) educators impressions of Reggio Emilia (Gandini, 1994; Katz, 1990; Neugebauer, 1994; New, 1990, 1993; Palestis,

1994) and (d) project approach (Edwards, 1993; Gandini
& Edwards, 1988; Katz, 1994; LeeKaeenan & Edwards,
1992; Trepanier-Street, 1993).

Despite all this voluminous new information being
published and disseminated about the Reggio Emilia
approach, there has been little to none research
published on documenting the shifts of a teacher's
reflections when exposed to a Reggio philosophy. There
is a need to document the process a teacher experiences
when making a change from a non-Reggio to a Reggio
Emilia approach so that others may gain further
insights from her reflections. Hopefully, examination
of the reflections on the process of change in turn
would support and facilitate other early childhood
educators who also are attempting to transform their
beliefs and practices and be influenced by the Reggio
Emilia Approach.

"Teacher change" is a difficult, confusing, and a
lengthy process filled with insecurities that requires
several phases of change. (DeVries, 1988) According to
DeVries a teacher proceeds through four phases namely,
skepticism, environmental change, paralysis, and
autonomy when transforming into a constructivist

teacher. Katz(1985) also views teacher change in four
stages. However, her stages are referring to
transformation from a novice to an experienced teacher
where a beginner teacher shifts from survival, to
consolidation, to renewal, and finally maturity.
Additionally, Shaw, Davis, McCarty, & Sidani-Tabbaa,
1990; Tobin and Jakubowski (1992) propose the following
six requisites for change to occur: (a) perturbation
or dissatisfaction with the way things are (b)
awareness of a need to change (c) commitment to change
(d) vision - the teacher envisions what the change will
involve (e) projection into that vision- here the
teacher envisions herself and her class participating
in the change and (f) the thinking that will make the
vision a reality.

If teacher change is the goal, then examining the
obstacles to this change is crucial. Routman (1988)
observed that when teachers change their teaching of
reading from the traditional approach to a whole
language approach the change causes pressure, conflict
and frustration, and therefore some play it safe and do
not become risk takers. Swanson (1994) found that
replacing adult directed art projects with child

directed experiences resulted in fear and feelings of ineffectiveness on the part of teachers. Wasley (1991) observed fear to be an obstacle to teacher change when she studied three teachers who were implementing the "Coalition of Essential Schools" model. Additionally, Fyfe (1994) found change causes feelings of loss and uncertainty in teachers. Osterman (1993) observed that teachers even after attending workshops and conferences, do not institute the changes they learn about because of day to day pressures. Thus, these scholars have identified multiple fears, job pressures, frustration, and inadequacy, as obstacles to change.

Reflective Practice

Having identified the problem that there are obstacles to teacher change the resulting question is, what will facilitate teacher change? The first author advocates the use of reflective practice to facilitate teacher change. Reflective practice is a strategy that allows the teacher to step outside of what Schon (1983) calls a "frame", and then look back on her beliefs and practices that she uses in her classroom.

For reflective change, Smyth(1989) suggests a four step process. He linked each stage to a question the

teacher could ask herself when reflecting. The stages
are: 1) describe - What do I do? 2) inform - What
does this mean? 3) confront - How did I come to be
like this? 4) reconstruct - How might I do things
differently?

Additionally, Schon (1983) asserts that to be
successful at change a teacher needs to realize that
there is more than one frame in her classroom and that
she must reflect critically on herself in these frames.
Etchberger & Shaw (1992) and Adler (1993) agree that
reflective practice also called critical inquiry
throughout the change process is essential. Thus,
theoretical and empirical views on reflective practice
will be examined next.

Theoretical Views

Schon (1983) distinguishes between two types of
reflective practice, reflection-on-action and
reflection-in-action. In reflection-on-action, the
teacher intentionally looks back on what has occurred,
and is thoughtful about her work. In reflection-in-
action the teacher realizes her teaching method is not
working and changes her method on the spot.

Additionally, Adler(1993) states there are four

responsibilities of the reflective practitioner: she
must share her work with the educational community,
make the contexts of her work clear, search for
patterns, and make sense of the spiraling nature of
research and use it as a guide to future action. Thus,
reflective practice can be used to teach others, and
help them change.

McLean (1993) used teacher's stories as a
strategy to teach what she calls "reflective learning
exercises". She paired preservice teachers with
experienced teachers. The students then reflected on
the experienced teacher's practice, and finally they
collaborated to write an narrative of the experience.
Thus, both learned from the reflections.

<u>Research</u>

Research supports using reflective practice to
facilitate teacher change. In a study by Canning
(1991), students and teachers met weekly for a year to
learn how to reflect. Canning (1991) observed
"teachers found that reflection was an intrapersonal
experience leading to insight about themselves as
actors in their world"(p.20). She stated reflection
produced changes in perceptions, behaviors, and self-

concept.

Similarly, Etchberger & Shaw(1992) conducted a case study observing a fifth grade teacher who wished to change from a traditional teacher to a constructivist teacher. Etchberger & Shaw(1992) used requisites for change (Tobin & Jakubowski, 1992; Shaw, Davis McCarty, & Sidani-Tabbaa, 1990) to analyze observations of the teacher, interviews with the teacher, and the reflective entries of the teacher's journal. Thus demonstrating how the teacher moved through her change. Etchberger & Shaw concluded that teacher change is a continuing process that can be facilitated by reflective practice.

Short & Rinehart (1993) conducted a study using both quantitative and qualitative analysis on journal entries of graduate students reporting on critical incidents which occurred during the school year. The students kept journals in which they reported the critical incidents and then reflected on the incidents using a procedure similar to that suggested by Adler (1993) and Smyth (1989). The journals were analyzed using a framework developed by Sparks-Langer, Simmons, Pasch, Colton, & Starko (1990). For qualitative

analysis, each incident in the journal was coded for the type of problem using the Bogdan & Diklin design (1982). Short & Rinehart observed that reflection enabled the graduate students to develop more knowledge and understanding of school problems which resulted in the ability to change their behavior in dealing with problems.

Similarly, in a collaborative research project Hunsaker & Johnston (1992) conducted a four year longitudinal case study of teacher change using reflective practice. The goal of the investigation was to study the influence of the master's program on the teacher's beliefs and practices. Both writings and audiotaped conversations between teacher and the second author were utilized in this study. The data was scanned to identify "emergent categories" and relationships between the categories. The data was coded to the categories. Hunsaker & Johnson concluded reflective practice is a strategy that facilitates teacher change. While there are no simple recipes for change, (Barnes, 1992) these studies support using reflective practice to facilitate teacher change.

Role of the Journal

Adler (1993); Etchberger & Shaw (1992); Evans
(1991); Killion & Todnem (1991); Ross (1989); Short &
Rinehart (1993) and McLean (1993) all agree that a
journal, diary, or some form of written notation will
move the teacher to write her reflections. However,
being a reflective practitioner is one step in making
the paradigm change. After the teacher writes her
reflections, she must then examine her reflections and
look for shifts in her beliefs and practices. This
will help her to learn if she is changing, and if not
it can be used as a guide for further change. Sharing
the journal with co-workers or a mentor is also
beneficial to teacher change. This gives the teacher
additional feedback, and can lead to additional
reflections, which will result in more or greater
change. According to Etchberger & Shaw (1992)
"reflection when acted upon, generated powerful
transformations"(p. 416).

Hence, the first author therefore will reflect in
a journal her effort to shift from a non-Reggio
approach to a Reggio approach. She will reflect on her
shifts in her beliefs and practices when exposed to a

Reggio approach. The first author will specifically examine shifts in her belief regarding "image of the child"; and shifts in her practices regarding "teacher's role", "parent involvement", and "children's participation". Thus resulting in the following research question.

Research Question

During a four week period of a teacher documenting in a journal her beliefs and practices of working with five and six year-olds: How does she reflect on the process of shifting from a non-Reggio approach to a Reggio Emilia approach?

Hypothesis

In a four week period of a teacher documenting in a journal her beliefs and practices of working with five and six year-olds the teacher will reflect by: describing areas of belief and practice where she has shifted, then she will infer regarding these shifts based on theoretical, and empirical scholarly readings, and report the results as patterns of change.

METHODS

Subject

The first author is the subject of this investigation which focuses on professional development of self. The subject's formal training includes a bachelor's degree in elementary education, a certificate in early childhood education, and all course work completed toward a master's degree. As a teacher she has taught eight years in an extended day kindergarten in a public school, one year with three and four year-olds in a pre-school and in a summer camp. Additionally, the subject has had informal early childhood experience of raising her own three children, teaching in a religious school, and being a brownie and girl scout leader.

Procedure

Before Intervention

Prior to this study, the teacher, who is the first author and the subject of this investigation did not work with young children based on the Reggio Emilia philosophy. However, previously the first author did

use a thematic approach in curriculum planning, but did
not develop these themes based on theoretical
perspectives. Second, the planning and implementation
of the themes was highly directed and controlled by the
teacher. Third, the topic was limited to one week in
duration. Fourth, the teacher only recorded anecdotal
notes for the purpose of parent conferences. The
observations were almost never used as a formal
strategy to identify what the children wanted to
investigate. Finally, the teacher only took
photographs at Halloween or holiday parties.

On a typical day, during free choice time, the
first author planned one art activity related to the
theme selected by her. Despite her academic training,
which encouraged child initiated activities, she
approached art activities in a teacher directed manner.
She planned, decided the materials, and provided pre-
fabricated patterns so that the children could each
make the same individual project. For example, when
the children made jack-o-lanterns, the teacher provided
the patterns, orange and black paper, glue, scissors
and pencils. The teacher also demonstrated how to make
the jack-o-lantern during group time and this resulted

in the children each cutting and pasting to create the same product. When the children needed additional materials, they needed to ask the teacher. If a child had no interest in an art project the teacher pleasantly cajoled the child to get him interested and as a result the child would then try the activity.

However, the teacher did provided choices for children to select any one or more of the centers for any length of time. (e.g. sand and water table, block center, housekeeping, table top toys, and book area) Lastly, the children also had a choice of selecting an open ended activity such as painting or drawing with multiple mediums. This is how the teacher previously organized her classroom.

Description of Intervention

The same classroom became very different when the teacher implemented the "Reggio approach." First, the teacher followed the theoretical principles of Reggio (Malaguzzi, 1993). Reggio, is predominately a constructivist approach. It is influenced by the work of the following theorists Piaget, Dewey, Vygotsky, Ferriere, Bruner, Bronfenbrenner, Hawkins, Gardner, Kaye, Shaffer, Moscovici, and Mugny (Malaguzzi, 1993);

which makes it an eclectic approach. "In essence, the Reggio approach says children have the right to high-quality care- the best society can offer-and that child-directed or child-centered learning is crucial." (Palestis, 1994, p.34)

Second, the teacher made changes in the classroom environment. She moved the glue, scissors, pencils, crayons, and markers where the children had access to them. Paper was displayed on open shelves where children could see the colors and sizes. The first author made scrap materials such as paper rollers, egg cartons, cereal boxes, and ribbon, available in open storage boxes. She also informed the children of materials that were available in the teacher's lounge, such as large rolls of bulletin board paper.

Third, with the implementation of a child-centered approach, planning became a collaborative effort between the children and the teacher. The teacher listened and observed the children to find out about their interests, and then she recorded child-child, child-adult, and child-object interactions. For example, when two children discussed dinosaurs, the teacher made notes regarding the discussion. Also,

when children brought ocean related materials to school following a vacation, the teacher noted what the child brought, the responses of the other children, and the teacher's comments regarding the object. Observing children, taking notes of their discussions, and taking photographs of lessons in progress, are all a part of what Reggio terms "documentation."(Cohen, 1992) As a result of this documentation the teacher created a list of topics to investigate. (see appendix C, journal entry #1.) Then, the children voted on the topic of their choice. At this time, the teacher formulated "provocatory" questions (Rankin, 1993) for the children, to discover their knowledge level regarding the topic. For example, the children voted and chose sea animals. The teacher then instructed the children to think about what they wanted to learn about sea animals. She asked, "Do all fish have fins? Do different fish eat different food?" The teacher asking questions and children discussing and raising new questions, resulted in the children drawing pictures of fish. This is how the sea animal "project" began. These open-ended explorations generated by the children's questions or experiences Reggio terms

"projects"(Cohen, 1992). This child centered planning
replaced the previous approach of teacher directed
planning.

Fourth, the child initiated art that resulted from
the child centered planning replaced the teacher
directed art. For example, when the children showed an
interest in sea turtles, they created one. When the
children learned about whales and starfish, they also
created them. This collaborative art succeeded the
previous individual art. Throughout the "project" both
the teacher and the children brought resources such as,
starfish, snail shells, sea shells and models of sharks
to the classroom. The teacher used all of these
resources to provoke more learning and art work on the
part of the children.

Finally, the teacher made additions to the centers
that the children could select daily. Oil pastels,
papier mache', and clay were added to the open-ended
art center. The teacher also utilized the materials
the children brought to class to form centers. When a
child brought a starfish to class it was either added
to the art center for drawing, or the teacher put in on
a separate table with magnifying glasses so children

could examine it. The children helped the teacher to make these decisions of where to put it.

Thus there were five major shifts in the transformations of this classroom procedures: a) From no theoretical underpinnings to knowledge of theories on which the Reggio approach is based, b) From a closed environment to a more open environment, c) From individual planning to collaborative planning, d) From teacher as the dispenser of art to student as constructors of art, and e) From limited availability of materials at centers to enriched centers. During this transformation to a "Reggio approach" the first author kept a journal documenting the changes in her as a teacher.

Data Collection and Analysis

Data recording

The goal of the daily journal entry was to examine teacher's beliefs about the children and teacher's practices. The three specific areas of teacher's practices were: her practices toward children, toward parents, and toward her self development. In order to reach that goal, the teacher first observed adult-child interactions, adult-child-object interactions, and

adult-child-peer interactions. The children were observed and anecdotal records were kept during planning and implementation of the "Reggio Approach." For example, when a child brought a sea turtle model to class, the teacher's journal reflected the following: which child brought the sea turtle to class and his comments about the sea turtle, the children's verbal and non-verbal responses, and the teacher's questions and remarks regarding the sea turtle. (see Appendix C, entry #4) A typical planning time ranged from 20 to 40 minutes, and the implementation time ranged from 45 minutes to an hour and 15 minutes.

The second step was to daily type the handwritten journal entries. This was done to compel the first author into the habit of a) interpreting the information and reflecting on it and b) applying theory to the reflections. (Adler, 1993) The entries were typed in a two-column format with the observations on the left side and the reflections on the right-hand column. The reflections, were molecular level inferences on specific observations on teacher's beliefs and practices. The first author's reflections focused on shifts in her practices and articulating her

beliefs which influenced her practices. She also recorded findings from scholarly works on the "Reggio approach," teacher change, reflective practice contributing to teacher change, and stages of teacher change; to support her inferences. Thus these inferences were primarily the first author's cognitive reactions to the "Reggio approach."

During the third step, the first author re-read and further reflected on the whole entry and wrote "immediate summative" reflections at the end of each entry. These "immediate summative" reflections were molar level of analysis since they were focusing on the overall reflections about the day's entry. In addition the first author's affective responses to the "Reggio approach" were noted in this section. Once again, wherever appropriate, the first author made reference to scholarly work mentioned earlier to support her inference.

As the study progressed, the first author continued gaining knowledge by reading scholarly literature, attending Reggio workshops, and weekly conferring and reviewing journal entries with a the second author. Additionally, in keeping with Adler's (1993) design of

critical inquiry, journal entries were shared with co-
workers when collaborating and networking with Reggio
teachers. This resulted in additional reflections to
her journal entries, which she entered and titled,
"later summative reflections". Thus the "immediate
summative" and the "later summative" reflections were
retrospective in nature. They were modeled after
Adler's design of critical inquiry.

Data Analysis

The "immediate summative" and "later summative"
reflections in the journal entries were qualitatively
analyzed to identify major shifts in the first author's
beliefs and practices. These shifts were examined by
using DeVries' (1988) phases and Katz's (1985) stages.
Additionally, the first author did content analysis on
the reflections which were recorded in the right-hand
column of the journal where she had reflected on shifts
in her beliefs and practices. For content analysis,
the first author identified dominant themes called
"idea units" in the reflections. An idea unit is a
single reflection noted regarding the observations that
have been recorded in the journal. To be judged an
idea unit, the reflection must focus on becoming a

Reggio teacher in anyone of the following four domains:
teacher beliefs regarding the image of the child,
teacher practice directed toward children's
participation, teacher's practice directed toward
parent involvement, or teacher's practice directed at
overall participation (teacher's role). (see Appendix A
for detailed definition and description of each idea
unit.) The journal entries were coded using the idea
units by two independent coders. A chi square was used
to assess the interrater reliability. The measure of
agreement was 96% between the independent coder and the
first author, and the chi square was 177.57. The
significance level was .00000.

Additionally, in order to compare and contrast the
shifts within the four domains mentioned earlier a chi
square analysis was executed.

RESULTS

Hypothesis

In a four week period of a teacher documenting in a journal her beliefs and practices of working with five and six year-olds the teacher will reflect by: describing areas of belief and practice where she has shifted, then she will infer regarding these shifts based on theoretical, and empirical scholarly readings, and report the results as patterns of change.

The first author will reflect on the process of change she underwent using Katz's (1977) stages and DeVries' (1988) phases of teacher change.

This first author found herself at Katz's stage III, titled "renewal" before this investigation began. Teachers at this stage are bogged down with routines and ready for change. They participate in workshops, attend conferences, and they welcome new experiences. Teachers at this stage also exhibit many of what are called the requisites necessary for change. (Tobin & Jakubowski, 1992; Shaw, Davis, McCarty, & Sidani-Tabbaa, 1990) While the first author welcomed change, she did not possess all the requisites

necessary for change, and this influenced the early
stages of her shift. She had the perturbation, and
recognized a need for improvement, but lacked
commitment, vision, projection into that vision and the
physical and mental processes engaged to make the
vision a reality. Reflective practice allowed the
first author to voice this uneasiness as she moved
through each stage or phase of her change.

Using the recommendations of Adler (1993),
Evans (1991), Etchberger & Shaw (1992), Killion &
Todnem (1991), Ross (1989), Short & Rinehart (1993) and
McLean (1993) the first author used a journal for her
reflections. The journal allowed the first author to
become aware of habits and behavior patterns (Osterman,
1993) she needed to change. For example, in entry #3
the reflections state, "there was little communication
between the members of the group. I wanted to
intervene! I wanted to make suggestions." This was a
practice that the first author needed to become aware
of and change. Additionally, the journal reflections
enabled her to question, decide, analyze, and consider
alternatives (Adler, 1993) as she moved through
DeVries' (1988) phases of change.

The first author will now demonstrate how she move through each of DeVries' (1988) phases of change. The first phase is "skepticism", the "it won't work" phase. Early reflections in the journal demonstrate this skepticism. Entry 1, "I have my doubts where this study of sea animals will lead." Entry 3, "I have my doubts about whether the group will work..." Entry 4, "I am not sure..." "We still don't know where were going with all of this." In these three examples the first author is doubting her beliefs about the children and her practice directed toward children. Will they be able to work together to create a project? The reflections demonstrate the first author describing, informing, and confronting this new approach to teaching. (Smyth, 1989)

DeVries (1988) states that the teacher is skeptical of herself and the children at this stage. This skepticism also suggests that the first author has not made a firm commitment to change which is one of the requisites of change. (Tobin & Jakubowski, 1992; Shaw, Davis, McCarty, & Sidani-Tabbaa, 1990) This skepticism is also evident in the "Later Summative Reflections" of entry 3. "Maybe I should have asked

the children to choose their own group...or maybe I am
acting as Schon (1983) suggests and not "reframing" my
ideas of the classroom." In this example the first
author is' trying to work through her skepticism by
using reflective practice.

Malaguzzi (1994) speaking about Reggio stated that
life has to be somewhat restless, unknown, and
agitated. Experiencing skepticism during the early
phase of the shift the first author felt restless and
agitated.

DeVries (1988) in her second phase titled,
"environmental change", states there are two types of
obstacles. The first type, the external obstacles,
included the administration or fellow teachers which
influence the teacher making the change. Wasley's
(1991) qualitative study of three teachers undergoing
change supported DeVries findings. The teachers stated
they would not have been able to make the change if
their administrators had not supported them.
Additionally, when there were changes in the
administrative staff and they were not supportive, this
became an obstacle to teachers who were trying to
transform their practices.

In this investigation, the administration instituted the change in philosophy and supported the first author's work. The head teacher made weekly visits and served as both a collaborator and a support system for the first author. As reported in entry #19, "Our head teacher's job was to act as a consultant similar to the "pedagogista" in Reggio Emilia." The administration also encouraged the first author to collaborate with her assistant, join a Reggio network, and attend Reggio workshops in documentation and children's art while making the change. The first author supports DeVries findings when she suggests joining a network and collaborating with co-workers to move through this phase of change. Since the first author had support from her administration it did not impede her change.

The other part of DeVries (1988) second phase included internal obstacles, such as anxiety over how to operate the classroom. In this investigation, the first author utilized the same support system of joining Reggio networks and attending conferences mentioned above to proceed through this part of the change.

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DeVries'(1988) third phase is " paralysis", it
pertains to the questions the teacher has about her
role. DeVries states before making the change the
teacher knew how and when to do things, but now she
questions each move she makes, resulting in no action
or "paralysis." Swanson (1994), Fyfe (1994), Routman
(1988), and Wasley (1991) all supported DeVries
findings regarding teacher's role and change.

The first author found herself undergoing
"paralysis" herself, questioning when to intervene with
the children. Malaguzzi (1994) states that the Reggio
teacher needs to sit back and allow the child to learn
for himself rather than intervene. The first author
found not intervening a difficult practice to change as
reported in entries 3, 8, and 10. Entry 3, "I wanted
to intervene! I wanted to make suggestions." Entry 8,
"I just sat and observed without intervention. While
it is often difficult for me, I know I am learning by
doing it." Entry 10, "Before exposure to Reggio I
would have said, 'M. try opening it up...' rather than
letting them figure it out for themselves." Edwards
(1993) also agreed that knowing when to intervene is a
difficult aspect of the teacher's role in Reggio.

Fyfe (1994) when referring to teachers implementing
Reggio states, "All teachers, at one time or another,
question whether given interventions help or harm a
child" (p. 25). She further suggests that close
observation, listening, and engaging children in
dialogue will help the teacher decide when to
intervene. The first author agrees with Fyfe regarding
the decision to intervene. This was the most difficult
part of the practice for the first author to
accomplish. However, reflective practice allowed the
first author to examine her journal entries pertaining
to intervention. Reading the entries enabled the first
author to visualize herself in the classroom "frame",
then she was able to further reflect on what she should
do, thus resulting in a reflective practitioner.
(Adler, 1993) As reported in the following "Later
Summative Reflections" entry #9, "I could have stopped
the girls (intervention) and supplied them with all the
resources we had on sharks. This might have been
helpful because unlike the boys they needed
intervention to help them work as a group. They needed
to be taught how to work as a group." Entry #10, "I
could have questioned the boys (intervened)...but I

think it would have interrupted the flow of their progress." Thus, reflective practice helped the first author make this shift in practice.

The last phase of change in DeVries' (1988) model is what she calls "autonomy," knowing what to do and why. The first author is approaching this phase. She is what Katz(1977) terms "in progress". While Katz applied the term to novice teachers the first author asserts it also applies here. The first author is in the process of becoming a Reggio teacher. For example, in entry 8 the first author states, "I think at this point I was still changing, moving toward becoming a Reggio teacher. That is why it was difficult not to intervene." In entry 10, the first author asserts, "M., Bra., and Jac. are proof of my change and my image of the child. They are strong independent workers." Speaking about a successful experience the first author states, "Having success with the magnets, I am sorry that I have not set up more problems for the children to explore. I know this is a large part of Reggio, and one that I will have to concentrate on in the future."

Thus, using Katz' stages and DeVries' phases of teacher change the first author has qualitatively

analyzed how her entries also documents changes within

herself. Having discussed the findings qualitatively,

further analysis was executed using chi square to

compare the shifts in belief and practices.

Table 1

Frequency of Shifts in Belief and Practices Recorded in
Journal Entries

Idea Units	No. of Cases	Residuals
Belief		
Image of the child	26	-7.33
Practices		
Child. Partic.	23	-10.33
Parent Partic.	0	0
Teacher's Role	51	17.67

chi square goodness of fit = 14.18, p = .001

Chi square goodness of fit was used to test the

null hypothesis that the "idea units" were equally

distributed across type. The null hypothesis was

rejected with a chi square of 14.18, p=.001. The

results showed significantly greater shifts in her

practices regarding "teacher's role" than her practices

regarding "parental involvement", "children's participation", and her belief regarding "image of the child".

Change in Teacher's Role

There were 51 entries indicating that she had changed in her role as a teacher. The greatest change was in teacher's role as a result of several factors. First, intervening, documenting, and becoming a risk taker were behaviors that were facilitated by reflective practice. The first author became aware of her habits through reflective practice using the journal. She was then able to analyze her behavior and consider alternatives.(Adler, 1993)

Second, sharing the journal with the second author not only allowed the first author to revisit her "frames", and discuss the entries, it gave her feedback which promoted more and different kinds of reflections Etchberger & Shaw (1992). Third, the first author had the educational support of learning about Reggio through workshops, readings, conferring with the head teacher, discussions with her assistant, and sessions with the second author when attempting implementation in her classroom. All of this administrative support

and guidance not only facilitated the change, but
helped to increase the change in her practice in the
area of teacher's role. Finally, in the domain of
teacher's role the first author was in control of her
own practice or actions. She could document,
facilitate, or promote her own knowledge and this
resulted in her making the greatest change in her role.

<div align="center">Change in Children's Participation</div>

While the first author could influence change in
her own practice as soon as she learned what the Reggio
practice involved, she could not equally influence the
change in children's practice. However, the entries
did indicate she was able to influence the children's
practice 23 times. The first author could model
behaviors such as sharing, collaborating and working to
create a project, but she could not make the children
do these behaviors. These behaviors had to come from
the children. This factor of self motivation on the
part of the children influenced the first author's
practice in bringing about a change in their
participation. For the children, much like the first
author, this was a new way of learning. Over time,
with modeling and experience the first author could

increase children's change.

Change in Image of the Child

The factors which influenced the frequency of change in teacher's beliefs were different from those that influenced teacher's role and children's participation. The first author had no prior experience with beliefs concerning the image of the child. While Reggio workshops and readings could teach the first author how to practice from a Reggio perspective by providing concrete ideas such as documentation and setting up a learning environment. The workshops and readings could not tell her what her beliefs should be and then simply expect that change in her belief. She had to construct her beliefs based on her experience of implementing the recommended Reggio practices. The first author agrees with Guskey's (1986) model of the "process of teacher change." Guskey asserts first there must be a change in teacher's practices, this leads to change in learning outcomes, and this results in changes in teachers' beliefs and attitudes.

When the first author changed her practices from individual planning to collaborative planning, from

teacher as dispenser of art to students as constructors
of art and from limited centers to enriched centers,
this resulted in changes in the children's outcomes.
The first author began seeing the child as a strong,
curious, and independent learner exactly how Reggio
describes in the discussion of the image of the child
(Neugebauer, 1994) As a result, this changed the first
author's beliefs and attitude regarding the children.

<div align="center">Change in Parent Involvement</div>

As reported in Table 1, there was no frequency of
practice directed toward parent involvement. How to
involve parents in the classroom caused "paralysis"
(DeVries, 1988) on the part of the first author. There
was no parent involvement during the study, resulting
in no change in the domain of teacher practice directed
at parents. In Reggio, the parents actively
participate in the classroom, and help with planning
activities. As demonstrated by the reflections, the
first author was experiencing fears, doubts, and
questions regarding the change. The lack of
involvement of parents can be explained in two ways.
The first author herself felt inadequate in what she
was doing and the philosophy was not clear to her, so

how could she take on the responsibility of inviting
parents into her room to explain to them their role in
the Reggio philosophy. Second, because of her feelings
of inadequacy she found it intimidating and threatening
to invite parents who would judge her expertise into
the classroom. The thought of involving parents in the
classroom when the first author was not confident about
her role brought more doubts to her mind. Rather than
face these doubts or thoughts of inadequacy, the first
author did nothing, resulting in DeVries' (1988)
"paralysis." The first author feels that the area of
documenting the process of change in teachers involving
parents will have to be addressed in future studies.
The teacher will have to establish a strategy to
include the parents in the classroom before the school
year begins. Then during the year she will be able to
implement the strategy, reflect on it and consider
alternatives where they are needed.

<center>Limitations</center>

1. The first author's shift was a lengthy process over
time. However the journal entries were only for four
weeks. There may have been shifts prior to the entries
and following the entries which have not been recorded

in this journal.

2. The first author attempted to write what she thought was most salient in her change as the process was ongoing. It is possible that there were other shifts during this time, but she did not then consciously consider it a shift, thus resulting in an advertent oversight. As a result these findings are conservative. Perhaps there may have been more actual changes than reported in the journal.

3. The changes began in the first semester, however the documentation began in second semester. Therefore, only a part of the documentation of teacher change is recorded here. Retrospectively, the first author recollects that major changes really took place within her thinking processes and shifts in her beliefs as well as her practices during the first semester. If the record was kept from first semester through the second semester the shifts in belief and practices would have been greater. Hence, again these frequencies of change are once again under reported.

4. The first author did not systematically record her conferences with the second author in her journal. During these sessions changes were taking place in the

first author's thinking. Had she systematically kept a journal on these conferences and further reflected on them, then she would have had many more entries to show changes in her beliefs. Once again this resulted in underreporting of the changes in her beliefs.

5. The first author did not have an independent observer in the classroom who took notes of her changes in actual practice and then compared those notes to the journal entries. This would have allowed the observer to cross reference the entries for reliability and validity. This would have increased the accuracy of the journal, enhanced her reflective abilities and she would have gained more from her reflections. This was done in Etchberger & Shaw (1992) study of a teacher trying to change from a traditional approach to one of Constructivism. It was shown to be an effective strategy and research design. This study has that limitation.

<div align="center">Recommendations</div>

The following are recommendations for teachers shifting to a Reggio Emilia approach using reflective practice. First, accept the fact that all teacher change is a continuous and ongoing process. Therefore,

do not expect the change to occur instantly after reading a book on the Reggio approach. Remember change is a process and a process means a series of actions, steps, phases, or functions which bring about a result. The teacher must prepare herself to accept this kind of thinking.

Second, the teacher must have a positive attitude and be ready to take risks, make mistakes, and sometimes fail. This is all part of learning. At the same time, the teacher must be ready to accept criticism from other teachers and administrators if they are not involved in the change.

Having accepted the above criteria the teacher is now ready to begin the process of change. The first author asserts that the strategy to facilitate change is reflective practice by regularly writing in a journal and supporting your entries with scholarly readings. However, reflective practice will be enhanced if used in conjunction with sessions with a mentor, joining a network, meeting with co-workers as well as reading scholarly works on Reggio Emilia, teacher change, and reflective practice.

Conclusion

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The first author concluded that a teacher could shift from a non-Reggio approach to that of Reggio Emilia using a journal to document her reflective practice. The first author learned that while change is a lengthy difficult process it can be facilitated by reflective practice with the use of a journal. Reflective practice is the strategy and the journal becomes the vehicle for making the change. Thus, the journal is a tool for self learning. Reading and re-reading the journal enabled the first author to visualize herself in the frame of the classroom and this resulted in her making shifts in both her beliefs and practices.

This study can enable other teachers to envision change as a multi-faceted process which continues throughout the career of the teacher. This study demonstrates how the first author using reflective practice faced obstacles to change, moved through the phases of change, and it resulted in making a change in her beliefs and practices.

This study suggests that reflective practice when systematically documented in a journal and supported with scholarly readings could facilitate the

professional development of a teacher. This study is one such example of a shift from a non-Reggio approach moving closer to a Reggio philosophy. The first author does not claim that she has mastered her beliefs and practices entirely from a Reggio perspective. She sees this as work in progress and does not label herself as a Reggio teacher.

References

Adler, S. A. (1993). Teacher education: research as reflective practice. Teacher & Teacher Education, 9, 159-167.

Barnes, D. (1992). The significance of teachers' frames for teaching. In T. Russell & H. Munby (Eds.) Teachers and teaching (pp 9-31). London: The Falmer Press.

Benham, H. (1992). Reggio Emilia: "the power and value of the child." Scholastic Pre-K Today, 7, (2), pp. 5, 81-82.

Bogdan, R., & Biklin, S. (1982). Qualitative research for education: An introduction to theory and methods. Boston: Allyn & Bacon.

Canning, C. (1992). What teachers say about reflection. Educational Leadership, 48,(6), 18-21.

Cohen, D. (1992, November 12). Preschools in Italian town inspiration to U.S. educators. Education Week, pp. 1, 12-13.

DeVries, R. & Kohlberg, L. (1987). Constructivist

early education: overview and comparison with other

programs. Washington, D. C. : NAEYC

DeVries, R. (1988). Constructivist education:

implications of Piaget's theory. In N.

Hazareesingh & J. Livingston (Eds.), Early

Education: building bridges to the future (pp. 6-

17). Duluth, Minnesota: University of Minnesota,

Dept. of Child and Family Development. (ERIC

Document Reproduction Service No. ED 327 290)

Edwards, C. P. (1993). Inviting children into project

work. Dimensions of Early Childhood. 22, (1) pp. 9-

12, 40.

Evans, C. (1991). Support for teachers studying their

own work. Educational Leadership, 48, (6), 11-13.

Etchberger, M. L. & Shaw, K. L. (1992). Teacher

change as a progression of transitional images:

a chronology of a developing constructivist teacher.

School Science and Mathematics, 92, 411-417.

Filippini, T. (1993). The role of the pedagogista.

In C. Edwards, L. Gandini & G. Forman (Eds.) The

hundred languages of children pp. 113-118).

New Jersey: Ablex Publishing Corp.

Forman, G. (1990). Helping children ask good

questions. In B. Neugebauer (Ed.), <u>The wonder of</u>

<u>it</u>: <u>exploring how the world works</u>. (pp. 21-24).

Washington: Publishers Exchange Press.

Fyfe, B. (1994). Images from the United States

using ideas from the Reggio Emilia experience

with American educators. In L. Katz & B. Cesarone

(Eds.), <u>Reflections on the Reggio Emilia approach</u>

(pp. 19-29). Illinois: ERIC Clearinghouse

Gandini, L. (1991). Not just anywhere: making child

care centers into "particular" places. <u>Child Care</u>

<u>Exchange</u>, <u>85</u>, 5-9.

Gandini, L. (1993). Educational and caring spaces.

In C. Edwards, L. Gandini & G. Forman (Eds.) <u>The</u>

<u>hundred languages of children</u> (pp. 135-149).

New Jersey: Ablex Publishing Corp.

Gandini, L. & Edwards, C. P. (1988). Early childhood

integration of the visual arts. <u>Gifted</u>

<u>International</u>, <u>5</u>, (2), 14-17.

Guskey, T. R. ((1986) Staff development and the

process of teacher change. <u>Educational Researcher</u>,

<u>15</u>, (5) 5-12.

Hinckle, P. (1991, December 2). The 10 best schools

in the world. <u>Newsweek</u>, pp. 52-54.

and what we can learn from them.

Hunsaker, L. & Johnston, M. (1992) Teacher under construction: a collaborative case study of teacher change. American Educational Research Journal, 29, (2), 350-372.

Katz, L. (1985). Research currents: teachers as learners. Journal of Language Arts, 62, 778-82.

Katz, L. (1990). Impressions of Reggio Emilia Preschools. Young Children, 45, (6), 11-12.

Killion, J. & Todnem, G. (1991). A process for personal theory building. Educational Leadership, 48, (6), 14-16.

LeeKaeenan, D. & Edwards, C. P. (1992). Using the project approach with toddlers. Young Children, 47, (4), 31-35.

Mac Kinnon, A. & Erickson, G. (1992). The roles of reflective practice and foundational disciplines in teacher education. In T. Russell & H. Munby Eds.), Teachers and teaching (pp. 192-210). London: The Falmer Press.

Malaguzzi, L. (1993). History, ideas, and basic philosophy. In C. Edwards, L. Gandini, & G. Forman (Eds.) The hundred languages of children (pp. 41-

99). New Jersey: Ablex Publishing Corp.

Malaguzzi, L. (1994). Your image of the child: where
teaching begins. Child Care Information Exchange,
96, 52-61.

McLean, S. V. (1993). Learning from teachers'
stories. Childhood Education, 69, 265-268.

Neugebauer, B. (1994). Unpacking my questions and
images: personal reflections on Reggio Emilia.
Child Care Information Exchange. 96, 67-70.

New, R. (1990). Excellent early education: a city in
Italy has it. Young Children, 45, (6), 4-10.

New, R. (1991, Winter). Projects and provocations:
preschool curriculum ideas from Reggio Emilia.
Montessori LIFE, 26-28.

New, R. (1993). Reggio Emilia: some lessons for
U. S. educators. (Report No. EDO-PS-93-3).
Washington, D. C.: Office of Educational Research
and Improvement. (ERIC Document Reproduction
Service No. ED 354 988)

Osterman, K. F. (1993). Reflective practice: linking
professional development and school reform.
Planning and changing. 22, 208-217.

Palestis, E. (1994). The Reggio way. The American

Board Journal 181, (8) 32-35.

Ross, D. D. (1989). First steps in developing a
    reflective approach. Journal of Teacher Education,
    22-30.

Routman, R. (1988). Transitions from literature to
    literacy. Melbourne: Rigby.

Saltz, R. (1993). Recommended resources about the
    Reggio Emilia early education approach. Paper
    presented at the Merrill-Palmer Institute: the
    Reggio Emilia approach for Americans, Traverse
    City, Michigan.

Schon, D. (1983). The reflective practitioner. New
        York: Basic Books.

Schon, D. (1989). A symposium on Schon's concept of
    reflective practice: critiques, commentaries,
    illustrations quotations. Journal of Curriculum and
    Supervision, 5, 6-9.

Shaw, K.,Davis, N. T., Sidani-Tabbaa, A.,& McCarty, B.
    J. ((1990). A model of teacher change. Paper
    presented at the annual meeting of the
    International Psychology of Mathematics Education
    Conference, Oaxtepec, Mexico.

Short, P. M. & Rinehart, J. S. (1993). Reflection as

a means of developing expertise. Educational
Administration Quarterly, 29,(4), 501-521.

Sparks-Langer, G. M., Simmons, J. M., Pasch, M.,
Colton, A., & Starko, A. (1990) Reflective
pedagogical thinking: How can we promote it and
measure it? Journal of Teacher Education, 41 (4),
23-32.

Smyth, J. (1989). Developing and sustaining critical
reflection in teacher education. Journal of
Teacher Education, 40, 2-9.

Swanson, L. (1994). Changes. Young Children, 49,
(4), 69-73.

Tobin, K. & Jakubowski, E. (1992). The cognitive
requisites for improving the performance of
elementary mathematics and science teaching. In
E. W. Ross, J. W. Cornett, & G. McCutcheon (Eds.),
Teacher personal theorizing: connecting
curriculum practice, theory, and research. (pp.
161-178). Albany: State University of New York
Press.

Trepanier-Street, M. (1993). What's so new about the
project approach? Childhood Education, 25-28.

Wasley, P. (1991). Stirring the chalk dust: changing

practices in essential schools. <u>Teachers College</u>

<u>Record</u>, <u>93</u>, 28-58.

Weissman, P. (1993, March). The Reggio Emilia

approach to early childhood education. <u>The Beacon</u>,

<u>12</u>, (2) pp. 12-13.

Appendix A

Idea Units used to code Journal

The first "idea unit" contained teacher beliefs. It included the thinking, views, and beliefs of the teacher.

1. Shift in teacher beliefs

The teacher's beliefs which are orally stated or behaviorally recorded by the teacher demonstrate that children can do what they set out to do and that children are strong beings, curious and full of potential, and that children can construct knowledge and develop skills.

The shift in her belief regarding children's capabilities is demonstrated by comparing children's performance now to her beliefs of their performance before she introduced Reggio in her classroom. The entries will use language such as "I believe...

2. Shift in teacher's practice directed at children .

These entries show the teacher providing opportunity for children to collaborate with other children or the teacher, using language such as, "let's do this",asking each other about ideas, sharing ideas, and working side by side to accomplish something. In addition to the teacher providing opportunity for children to represent their ideas through languages such as written language, oral language including

songs, visual language, all types of art, movement
including dance, drama including dramatic play, and the
language of blocks and manipulatives.

3. Shift in teacher's practice directed at parent
involvement.

These entries show the parents actively
participating in the classroom, and helping with
planning.

4. Shift in teacher's practice directed at overall
participation (teacher's role).

These entries show the teacher questioning the
children, provoking learning, acting as a resource
person by providing books, videos, and other learning
materials, working along with the children on projects,
documenting the children's work through audio tapes,
video tapes or photographs, (acting as the children's
memory) and acting as a facilitator in learning. She
uses the children's interests, ideas, and skills to
make decisions about what will happen in the classroom.
She prepares the environment, is a risk taker, and
provides children enough time to think through,
participate, and revisit activities. Lastly, she
intervenes when necessary.

Appendix B

Code for Abbreviations

T=teacher Children=M, Bra, Steph, Jac, Jus, Aya, Rac, Bri, Yuya, Chr, RO, Hani, Anna, Zac, Stev, Lace and Est.

Idea Units

1 = Teacher Beliefs (Image of the Child)

2 = Teacher's Practice Toward Children

3 = Teacher's Practice Toward Parents

4 = Teacher's Overall Practice (Teacher's Role)

If there was perfect agreement between raters than a score is recorded. When there is disagreement between raters both scores are recorded. The stared score is rater no. 1. whose scores are reported in the results.

Appendix C

Journal

April - May, 1994

Observation #1
4-12-94
Before beginning this
study, changes were made in
this teacher' classroom.
The environment was changed
to provide the children
with more access to
materials. Paper was
displayed on shelves which
allowed the children to see
what was available.
Markers, crayons, glue,
scissors, and pencils were
put on lower shelves to
make them more accessible
to the children. The
teacher showed the children
other materials such as
pipe cleaners, tissue
paper, fabric, paper
rollers, meat trays, which
could be used in projects.
The teacher also suggested
that the children bring
scrap box materials from
home which would be handy
to have for projects.

Circle Time
The children were trying to
decide what our next topic
of study would be, based on
their own interests. I
observed them during free
choice time, and listened
to conversations of the
children both in school and
on the playground. I also
asked questions. For
example, several children
seemed very interested in
an astronomy book on our
book shelf. I asked if
they wanted to study space,
but there seemed little
interest.
  T: What would you like to
learn about next? What
should we study?
M: Sea Animals
Steph: Animals

Reggio Reflections on
Specific Behaviors

When the teacher
transformed the
environment, which Reggio
states is the "third
teacher" in the classroom,
(Gandini, 1993) she was
acting as a Reggio teacher.
As a result, [she was
facilitating knowledge,
provoking learning, and
acting as a resource
person.]   4
Benham (1992)states in
Reggio the teacher is
immersed in the children's
ideas, she is a listener
rather than a speaker.
Here the teacher is giving
all the children a chance
to be a part of the
decision making process.
[I was taking notes during
this time,] and many of the
children were interested in   4
which subject would win the
vote. Their expressions
changed when their subject
did not win. I do not
think they realized what
voting really meant.
Projects begin with
teachers observing and
questioning the
children.(New, 1993) This
is all part of the
teacher's role.
This is all very new to me.
Before Reggio, I would make
the decisions about what
the class would study.
This would have been what
Piaget termed a
heteronomous relationship.
[I observed the children,]   4
then gave them the
opportunity to share their
ideas and vote on their
ideas to decide what to   2
study.] Piaget terms this

Observation #1 (cont.)

Jac: Plants or dolphins
Jus: How do they build
things?
Hani: Animals
R.O.: Bones, rocks
Aya: Birds
Rachel: Animals
Bra: Whales
Bri: Fish
Yuya: Earth
Chr: Elephants

We narrowed the field to
two choices by letting the
children vote for one of
the following: animals,
sea animals, plants, how do
they build things, and
rocks.(birds and elephants
joined animals and fish,
dolphins, and whales became
sea animals.
When the topic that
interested them was called,
the children raised their
hand to vote. Sea animals
received the most votes.

T: Sea animals received
the most votes, so it wins.
Your homework tonight is to
think about what you would
like to learn about sea
animals.

Reggio Reflections (cont.)

relationship an autonomous
or co-operative. Reggio
calls this collaboration.

[I believe the children can
be decision makers] this is
part of Reggio's image of
the child as a competent,
strong, curious learner.
(Merrill-Palmer, 1993)
The teacher is asking the
children to be decision
makers. This is a role
change for both the teacher
and the children. Before
Reggio I gave the children
choices when it came to
stories and games, but not
major decisions like what
we would study.

Immediate Summative Reflections on #1

1.   This way of approaching material was new to many of the
children.   Some of the children were still not really sure about
what they wanted to study.   If their neighbor voted for animals,
they did to.   Many of the children are not sure of being the ones
to make a choice.   I think they expect the teacher to make the
decisions.   The higher level thinkers (children who show
interest in what we have done, act on that interest, voice an
opinion, and respond in class.) like M. know just what they want
to learn, however I think this would case no matter what the
teaching philosophy.

2.   I tried to write whatever they said down, telling them it
was important.   I wanted them to feel what they said had value.
I wrote as the children talked, asking them to repeat ideas when
I was not sure what they said or meant.   They were aware I was
writing as they spoke.

3.   I have my doubts where this study of sea animals will lead.
Would this group be able to work together and create a project?
We could study so many different aspects of the ocean and the
animals in it.   De Vries (1988) would label this stage
skepticism.   Malaguzzi (1994) speaking about Reggio states life
has to be somewhat restless, unknown, and agitated.

Later Summative Reflections   (August, 1994)

I did not inform the parents of the children's decision to study
sea animals until about two weeks into the study.   Perhaps, the
beginning would have been a better time to do it.   They could
have collaborated with both the children and the teacher.

Observation #2 Circle Time
4-13-94

T: Did every one do some
good thinking? Let's find
out what we know about sea
animals. Let's make a list
of what we know.
Jac: They swim.
Anna: They eat colorful
rocks and suck rocks.
Zac: They swim and spit
gravel.
Hani: They have things
they can flap.
Bra: Those are called
fins.
T: Do all fish have fins?
M: They have lungs in the
side so they breathe out.
Bra: I know what a tiger
fish and shark look like.
ST: Fish can't go out of
the water.
Bri: I think some fish
can't be together cause one
fish in our tank ate
another.
Rac: They (fish) eat
colored flakes.
T: Do different fish eat
different food?
Rac: The colored rocks are
called gravel. You can't
feed them too much food.
Stef: A lot of fish are
small.
Chr: Some fish are medium.
Aya: They live in the
water.
Hani: A catfish has
whiskers.
Jus: If you give fish too
much food they'll eat some,
but the rest will pollute
the water.

Reggio Reflections on
Specific Behaviors

[The teacher is questioning
the children] to find out
what they know about sea   4
creatures so that she can
help the children decide
what they want to learn.
She is giving each child a
chance to speak and tell
what they know about fish
or sea creatures.
Before Reggio, I asked the
children what they knew
about a subject, however I
already had my lesson plans
made and knew exactly what
direction the lessons would
go.
[I believe this is an
example of higher level   1
thinking on Bri's part.]
This dialogue shows [the
teacher asking a question,]   4
trying to get more thinking
on the children's part.
Neugebauer (1994) speaking
about Reggio states that
the questions the teacher
asks are not directed at
solutions, but rather at
more possibilities for the
children to explore. A
solution question seeks one
right answer, while a
possibilities question
seeks many types of
answers. When the teacher
asked about what fish eat,
she was not looking for one
answer, but trying to get
the children to think about
all the different
possibilities.
[I believe Jus is doing
higher level thinking, he   1
is not just concerned with
fish, but with fish and
their relation to
pollution.

Immediate Summative Reflections on Observation #2

1. I have an idea of their knowledge base. We have so much we
could learn! This study could go in several different
directions. It could be just ocean animals, or it could include
many other aspects of the ocean. It seems like most of the
children are just familiar with fish as opposed to animals of the
sea. Our studies will begin with fish, and then we will see
where this leads us.

2. Tomorrow I plan to bring in several resources from the media
center for the children to examine. I hope this will give
direction to our study. This is part of the teacher acting out
her role as a facilitator.(Edwards, 1993)

3. Making a list of what the children think they know about sea
animals can do several things:
   1) It gives value to what the children say. (Katz, 1993)
   2) It shows what they know.
   3) It can be used to provoke an area of study.(Trepanier-
       Street, 1993)
   4) It also allows the teacher to facilitate learning.
       (Merrill-Palmer, 1993)

4. The children are listening to what each other says and
adding their comments. Reggio calls this collaboration.
(Merrill-Palmer, 1993)

Later Summative Reflections   (August, 1994)

I wrote down all the children said, but did not use chart paper.
This would have been helpful to refer to as the study continued.
We could have checked off each area as we completed it showing
the children what we had learned.

I also could have suggested the children draw pictures of what
they know about fish or sea animals. This could have been use
for a before and after learning lesson.

The entries do not list all my comments and responses because I
was trying to write the children words. I did respond positively
to all comments they made and tried to encourage them.

Observation #3 Free choice
4-14-94

One of my counterparts
divides the children into
groups, and then lets the
children choose their area
of interest. As an
experiment, my assistant
and I choose work groups
for the children. I was
hoping to involve those
children who usually are
not a part of a group.

Group I
E. leaves the group and
walks away from the table
where the others are
drawing. Aya draws a fish
picture, but seems to
ignore the other children.
T: What kinds of sea
animals would this group
like to learn about? Have
you looked at some of the
books we have about
different types of animals
that live in the sea?
The children decide to look
through the books.

Group II
This group is more verbal.
Two children decide to draw
sharks and begin
immediately. The others
decide on dolphins and they
begin drawing. They ask
that some of the pictures
in the book be photo copied
so they have more than one
to look at when drawing.

Reggio Reflections on
Specific Behaviors

Risk-taking is encouraged
in the Reggio philosophy.
(Benham, 1992) Knowing
this [I decided to take a
risk and try a new
approach.] I created the
groups for the children to
work in. Before Reggio, I
did not consider myself a
risk taker at all. I knew
what I was going to do for
the most part each day in
the classroom. I had plans
and generally followed
them.

My impression of Group I is
[I don't believe that it
will work.] However, [I
will give them time to work
at their own pace.] Reggio
does not rush children.
(Benham, 1992)
[I believed this group
would not work] because
there was little
communication between the
members of the group and
there was no excitement in
this group. [I wanted to
intervene!] I wanted to
make suggestions. I want
them to be excited and want
to learn. Carolyn Edwards
(1993) states knowing when
to intervene is a difficult
aspect of the teacher's
role in Reggio. It takes
analysis of the children's
thinking.

[I believed Group II showed
the Reggio image of the
child.] The children who
knew what they wanted to do
began to work, and those
who needed materials asked

Observation #3 Free Choice
(cont.)

Group III
Jac: Do you want to do sea
turtles?
Chr: I want to do a
porpoise.
Jus.: I want to do a
whale.
They decide each will draw
what they want since this
is the first or planning
stage of what will come.

Reggio Reflections (cont.)

for them. [I provided
resources by photo copying   4
the pictures.]

Group III is an early
example of [children
collaborating to create a   2
project.]

Immediate Summative Reflections on Observation #3

1. I have my doubts about whether the groups will work, but I am willing to try for a while. (DeVries, 1988 - skepticism) The reason I have doubts about the all the groups working is that some of the groups (I) did very little interacting. My criteria of a group "working" is that the children are able to collaborate and create a group project. It could be a simple drawing, or a major project which takes several days or weeks.

2. I am not sure I can give four groups what they need, but maybe this will help me from intervening too much. Reggio does not want the teacher to intervene unless the children ask for help. With four groups I will be too busy to intervene unless the children need me.

3. Acting in the role of the facilitator I have provided the children with books about animals of the sea, children's magazines which contain very real photographs of sea creatures, and some cards which are used to identify fish when snorkeling.

Later Summative Reflections (August, 1994)

Maybe I should have asked the children to choose their own group, but I know from experience that some of the children will not join a group to create a project. Some of the children do not know how to join a group whether it is blocks or a project. By putting them in group I was trying to eliminate this problem.
                    OR
Maybe I am acting as Donald Schon (1983) suggests and not reframing my ideas of the classroom. The old frame has the teacher making the decisions, (heteronomous vs. autonomous relationship) and the new frame gives more of the decision making to the children. In the future I will first let the children choose their own groups and observe the results. I want the children to be happy with the people they work with. If I find that some children do not have a group I will try to suggest they form a group. This group may need more modeling by the other groups, or collaboration with a teacher.

Observation #4 Circle time
4-15-94

Jac. brought a sea turtle
model to share at circle.

T: How is it different
from other turtles?
Jus: It doesn't have the
same arms and legs.
M: I saw a different
turtle called a logger
head.
T: Do all turtles have a
tail? Do all turtles have
dots, or just sea turtles?
RO: What do they eat?
T: What do you think they
eat?
Rac: Turtle food!
M: They eat jellyfish,
crab, man-of-war.
Jac: Do they sneak up and
grab the food?
T: How do they get their
food?
Bra: Dig?
T: How can we answer all
these questions?
M: Look in books.

The children decided to
look in the books we have
to find out more about
turtles.

Free choice time

The children began to play
"sea world". They made
tickets, and blocks were
used to be large fish. The
children wanted the fish to
jump. M. held a long block
and wanted to be the
trainer, but he needed an
animal.

Reggio Reflections on
Specific Behaviors

[I believe Jac. is
interested learning about
sea turtles.] Bringing his
model to class, DeVries
(1988) states demonstrates
he is active in
constructing his own
knowledge. This is part of
the Reggio image of the
child.(Merrill-Palmer,
1993) Seeing Jac's
interest in sea turtles [I
hoped to encouraged him by
asking questions about the
sea turtle.] Later [I took
him to the media center to
get books about turtles.]
[I am asking questions to
facilitate learning.]
Neugebauer (1994)
states Reggio teacher's ask
questions to facilitate
more possibilities for the
children to explore.
Before Reggio, I asked
questions of the children,
but we never had any
studies in such detail.
Ocean was one week a year
with a few simple art
activities that everyone
made the same. I did not
encourage the children to
go farther and learn more
about our topic of study.
When the [teacher suggested
using the resource books in
the room,] she was acting
as a facilitator. Before
Reggio, if the children had
questions about subject
matter I brought resource
materials to class.
However, I found myself
making more of an effort to
provide materials for the
class when we got involved
in a project.

Observation #4 (cont.)   Reggio Reflections (cont.)

T: What could you use?   ["Sea world is an example
M: Blocks   of symbolic
T: Can blocks jump?   representation.] Their   2
M: I could use a   dramatic play is one
rubberband.   of what Reggio terms the
T: · Is there something from   "100 languages" of
the room you could use?   children.
M: I could make an animal.
T: What do you need.   The teacher is trying to
                                     promote higher level
M. decided to draw a large   thinking on M.'s part.
sea animal and asked for   [She questions him, and   4
bulletin board paper.   challenges his answers so
                                     he will continue to think.]
                                     I wanted M to think what he
                                     could use for his jumping
                                     fish.

                                     The environment which is
                                     considered a "third
                                     teacher" in a Reggio
                                     classroom,(Gandini, 1993)
                                     was transformed here by   4
                                     [the teacher making
                                     materials available and
                                     displaying them ̖
                                     attractively. As a result,
                                     [M. was influenced by the
                                     environment and constructed   2
                                     a fish out of paper.] [I
                                     believe this showed his
                                     knowledge of ocean.]   1

                                     Earlier projects were also
                                     displayed in the room. One
                                     corner had stuffed paper
                                     dinosaurs hanging in it. I
                                     think this might have
                                     influenced M's decision to
                                     make a fish.

Immediate Summative Reflections on Observation #4

1.   The children are beginning to show their interest in the subject matter through more than one medium. Jac.'s bringing the turtle to circle time, the dramatic play of "sea world", and in their drawing. We still don't know where we are going with all of this. So far we have no specific plan of what we are doing. I am not sure what the children will decide to make.

2.   I am trying to ask questions to provoke learning and some of the children are using the resource books.

3.   My questions to M. are to get him to think through what he is doing. Reggio is concerned with the children planning and working through a plan. I often tell them their drawings are their plans, and plans can always be changed. Before Reggio, I would have just told M. what to use for his project rather than question him to get him to think about what he could use.

4.   The children did not work in their groups today, but with whoever they chose. I still hope to draw in the children who are not working with someone. I hope to suggest they work together or even on their own to create something.

Later Summative Reflections (August, 1994)

I did not discourage the children from working with whoever they chose on their own. I am more concerned with their collaboration and letting them try ideas their own way. (Maybe I can reframe, and change as Donald Schon(1983) states.)

Observation #5   Reggio Reflections on
4-18-94   Specific Behaviors

I attended a Reggio   This is a good example of
workshop, and my assistant   what Wasley(1991) terms the
took over the class. She   "smorgasbord" approach.
suggested (teacher   She suggested using both   4
directed) the idea of sea   old and new ideas when
monsters. She encouraged   changing. While [the
the class to draw whatever   teacher suggested the   2
they wanted on large sheets   idea,] [the children drew
of construction paper. The   their own idea of sea
results were good drawings   monsters.]
with lots of imagination
(one sea monster had
eighteen eyes, one had
three heads, one was a
ghost sea monster which
said boo!, another child
drew a butterfly sea
monster, another child drew
four figures which she said
were sea monsters playing,
and another child filled
the paper with many types
of round red figures which
he stated were twenty-three
anemones attacking a sea
monster.) The pictures
were combined into a sea
monster book.

Later Summative Reflections   (August, 1994)

My assistant and I collaborated to come up with the idea of a sea
monster book. We thought the children would enjoy it and their
response showed they did.

Before Reggio, my assistant would have followed whatever plans I
had made. I generally left the materials and we would discuss
what she would do. The sea monster book was a teacher directed
idea, however the children could use their own ideas to make
their monster.

Observation #6   Reggio Reflections on
4-20-94   Specific Behaviors

I read a book which one of   [I believe this is another
the children brought to   example of the children
class. The children were   showing interest in the
very involved in the   study by bringing books to
material. It pertained to   class.]
starfish and man-of-war.
It described how and what
they eat in detail, and had
informative pictures. We
will use this knowledge
tomorrow. (school program
interrupted class)

Later Summative Reflections   (August, 1994)

I can still remember the children's interest in the book because
of the idea of the stomach coming out of the starfish and
entering the clam to eat it. I remember I used my hand as a
starfish with a clam shell to demonstrate the technique. The
children were fascinated by this.

It was meaningful because they remembered it the next day. The
whole episode was spontaneous. I read the material and then
demonstrated it. I was learning right along with the children.
This is a significant part of the Reggio philosophy.

Observation #7
Circle time 4-21-94

Jac. brought in shells to
share at circle time.
T: What do you think lived
in those shells?
Hani: Crabs
Bra: Clam
Lace: I found a shell in
Fla. and it looked like a
dinosaur shell.
T: Why do you think it was
a dinosaur shell?
Lace: 'Cause it had lines
on it like bones.
T: Maybe you could draw
how it looked.

Jac. passed his shell
around the circle.
T: Is it hard inside?
RO: It's kinda hard.
T: How could we find out
more about this shell?
Bra: We could look at it
with a magnifying glass.
RO: Get books from the
media center.
T: After circle time we
can go and get some shell
books from the media
center. We can also put
the shells out with a
magnifying glass.
Rac: (looking at the
shell) I don't know what
kind of animal lived in
here.
Bra: It would have to be
small.
M: It couldn't be a clam
it's too small.
T: What questions do we
want to get answers to?
Class: We want to know
about shells.

Chr. shows a starfish she
has brought to share.
T: What is Chr. holding?

Reggio Reflections on
Specific Behaviors

Jac. continues to bring
items from home which
pertain to our study. [I
believe this is how he is |
showing his interest, he
is active in constructing
his own knowledge.] This
also demonstrates my shift
in thinking. Before Reggio
I was never very concerned
about what the children
brought to class. Now, I
can see how the children's
interest creates a momentum
which goes on and on. Jac
keeps bringing objects from
home, and we learn more and
more.

Because [I am becoming a
better observer and
listener,] I believe
Lace is confusing the word   4
dinosaur with fossil.
Earlier in the year we
studied both dinosaurs and
fossils. I was hoping she
would draw her shell, but
she did not. The subject
was not made clear to her.
Forman (1990) states
drawing lets the teacher
and child look at the
child's understanding of a
subject.

[I believe Bra.'s answer is
more than just saying look |
in books like the others,
she is thinking of new ways
to learn about the shell.]

[I tried to guide their   4
study by asking questions.

Observation #7 (cont.)
All: Starfish
T: Does anyone remember
what we learned about
starfish yesterday?
Bri: The tummy comes out
of the starfish.
Chr: The starfish tries to
open the clam shells to eat
them.
T: Then what?
Jac: He (the starfish)
opens the clam, and sticks
his stomach in and eats the
clam.
T: Great remembering!

(circle time is ending)
T: What are your plans for
today (to the class)
Bra, M., Jac, and Hani will
work together on M's sea
animal. It is turning into
a sea turtle.

Lace, Bri, Chr, and Stef
are going to work on a
shark.
Aya and Yuya are going to
work on a starfish. The
rest are not sure what
their plans are.

Reggio Reflections (cont.)

[I believe Chr. like Jac.
is showing her interest by   /
bringing a starfish to
class.]

Another part of the
teacher's role in
in Reggio is the teacher
acting as the group's
memory. She tapes their
dialogue and documents
their progress with
pictures. (Edwards, 1993)
[The teacher is helping the
children remember what   4
happened yesterday.]
Forman (cited in Trepanier-
Street, 1993) states,
asking the children to
"remember" allows them to
use past learning and build
new learning.

Before Reggio, I did not
act in any way as the
children's memory. I did
not take notes, tape the
children or take pictures.
I now find all these
methods of great value to
me and the children. It is
my reflective practice with
the children.

[Each of these groups have
decided to work together on   2
their own.] This is a
first step in
collaboration, an important
part of Reggio.

Immediate Summative Reflections on Observation #7

1.   The sea animal study seems to be gaining interest.   The
children are starting to bring in materials from home.   They are
interested in what I am reading to them, and they are acting on
their own to complete projects.

2.   The fact that some of the children have found a group and
seem to be starting to collaborate is encouraging.   I am also
encouraged by the way the children are remembering what we have
discussed.

3.   I am hoping that their drawings will demonstrate their
understanding, thus far they have not.

Later Summative Reflections (August, 1994)

I could have asked if anyone would like to draw how a starfish
eats a clam.   This would have shown me the child's understanding
of the process.   We also could have used dramatic play to act out
the process.

Observation #8 Free choice
4-21-94
(Looking at his large
drawing which he made
in Observation #4)
M: This is one-sided, you
want it to be two sided?
Bra: I don't know how
we'll do it.
M: We can stuff it.
(They kept a picture of a
sea turtle close by, and
kept referring to it. They
took their time, and
carefully drew lines on the
turtle.)
M: We have to show the
parents this. (to teacher)
Can we sign our names like
the thing hanging in the
hall?
T: Yes, we'll put all your
names on it.
Bra: It's starting to look
like a turtle.
M: We made a "fluke" on
the turtle. It's okay it's
still a real turtle.
Bra: No, that's a tail.
Jac: I'll draw a flipper
for the back.
M: You can erase that Bra.
Jac: Are we gonna make
stripes?
Bra: Let's make it brown.
(the flippers)
Jac: Are we gonna make
dots on the head?
Bra: Let's just make the
rest brown. (They all
agree)
Jac to Bra: You do the
flipper.
Jac: I'll do the face.
Bra: Can it be a spaceship
turtle?
M: No, we want it to be
real. Let's name it. Land
and water, Lander for land
and water.
Bra: Spacey the turtle
The boys continued to work.

Reggio Reflections on
Specific Behaviors
[This whole dialogue
between the boys is an
example of collaboration.]   2
Reggio states this
continuous interaction is
education.
(Merrill-Palmer, 1993)
.The teacher did not
intervene during this
observation. Magaluzzi
(1994) states this is part
of the role that needs to
be learned. Rather than
rushing to help or answer
questions, it is better to
sit back and allow the
child to learn for himself.
Having observed the boys
working, I would agree with
Magaluzzi. [I do not
intervene unless the   4
children ask for help or
seem frustrated by what
they are trying to do.]
This demonstrates a shift
in my behavior.
[The boys want this work or
symbolic representation] to   2
be thought of as a real
turtle. They have referred
to the book to insure this.
Reggio tries to provide the
children with real
resources when possible.
[The teacher is showing she
believes in and values |
their work.] They know
that the parents will be
coming to see their work,
and they want to make sure
their hard work is
recognized.
[I believe that M corrects
himself when he adds a |
"fluke" to the turtle
because he knows that a
real turtle does not have a
"fluke". He wants his
turtle to be thought of as
real turtle.]

Immediate Summative Reflections on Observation #8

1. I thoroughly enjoyed watching these children work. They co-operated and collaborated while they worked. Their interest in the project kept them working. Their enthusiasm showed me that they enjoyed what they were doing. This group demonstrated the image of the Reggio child as a strong, competent learner.

2. I just sat and observed without intervention. While it is often difficult for me, I know I am learning by doing it. It is difficult for me to standby and watch and not be a part of the project. I am still learning to change my role as a teacher.

3. As I observe the group I am always writing down their words. The children are aware of what I am doing, and I think it makes them feel important, and gives value to their work. When I display their work or pictures of their work I try to include the dialogue I have written down.

Later Summative Reflections (August, 1994)

I think at this point I was still changing, moving toward becoming a Reggio teacher. This is why it was difficult not to intervene. It is an example of Piaget's autonomous behavior versus heteronomous behavior on the part of the teacher.

I wanted the change to just happen, but after eight years of teaching one way I will have to be happy with each small change leading to bigger changes.

Observation #9 Free choice
4-21-94

Lace, Stef, and Chr decided
to make a shark. The girls
formed their own group.

I supplied them with a
large sheet of bulletin
board paper. However after
drawing the shark they were
baffled about what to do
next. I questioned them
hoping to find out what
they wanted to show about a
shark.

T: Will you be cutting
this out? Is this going to
be a mural? What do you
know about sharks? What do
you want him to be doing?
Stef: Can we cut it out
and put lots of fish in the
stomach?
Lace: Like the shark ate
all the other fish.

T: It's up to you girls to
decide whatever you want.
Let me know what you will
need.
They decided to paint the
area around the shark blue.
The three girls worked
quickly, more concerned
·about getting it done than
how it looked.

Reggio Reflections on
Specific Behaviors

[The girls are
collaborating to draw a
shark.] This is an example
of the emergent curriculum
of Reggio. (Rinaldi, 1993) *2*
The subject of sea animals
has been decided by the
group, and now this group
has chosen what they want
to do.

As part of the her role in
Reggio, [the teacher is
trying to provoke the
children to think about *4*
what they want to do
regarding the shark. She
does this here by
questioning the girls.]

Unlike the boys group who
are working on the turtle,
this group is not really
sure what they want to do.
Time is an important
element here. Reggio *4*
suggests giving the
children time. [Tomorrow,
I will suggest they
"revisit" their work and
decide what to do next.]
Time is also a factor
supporting collaboration.

Immediate Summative Reflections on Observation #9

1. This group, like the boys group, can collaborate. I do not think this group has the knowledge base that the boys group has.

2. Unlike the boys group, this group, is not as willing to take a chance and make a mistake. They will take a little more time to decide just what they want to do. This is a part of Reggio.

Later Summative Reflections (August, 1994)

1. I could have stopped the girls (intervention) and supplied them with all the resource we had on sharks. This might have been helpful because unlike the boys group they needed intervention to help them work as a group. They needed to be taught how to work as a group.

2. I also might have suggested they ask the other children about sharks, or for ideas.

Observation #10 Circle Time
4-22-94
I read from the book we used
earlier in the week. It has
illustrations of sea
creatures, and describes how
they live.

T: What creature did we talk
about yesterday?
Bri: Starfish
Jac: Clams
T: I'll give you a clue. Its
name starts with man.
Rac: Man of war

We discussed the man-of-war
and the job of the tentacles,
and how the gas bag works. I
used my hands as tentacles.
The children stood up and
began to act as man-of-war
catching other fish. They
moved their arms and pretended
to catch fish.

Circle time ended with the
children going to centers.

Boys(M., Bra, and Jac.)
working on the turtle.
M: I'll show you where the
shell starts, behind the
flipper, and ends in front of
these flippers.
Jac: Oh, so we'll put it
here. (They are deciding
where to put the egg carton
turtle shell.)
M: We need to cut it. (an egg
carton)
Bra: We're old enough and
able to cut. (Their scissors
will not do the job, so they
ask me to help.)
T: Where do you want me to
cut? (Jac shows me)
Bra: There's a problem it
will stick out too far. (They
are covering the paper turtle
with egg cartons to act as a
shell.

Reggio Reflections on
Specific Behaviors

[I was being a resource to the
children by reading this
material.] However, I did   4
this (reading and explaining)
with the children when I was
not using the Reggio
philosophy.

Here, [I was giving the
children clues, to help them
remember.] Reggio uses
documentation in the form of   4
tapes, and photographs to help
the children remember.
(also see entry #5)
This is also an example of
Piaget's Assimilation and
Accommodation.

[The children acted
spontaneously, and each child
became a man-of-war.] We all   2
joined in. Before Reggio, I
might not have encouraged this
behavior during circle time.
I would have saved it for game
or music time. [I am more   4
relaxed now and more of a risk
taker.] This is also an
example of the "100 languages"
of children that Reggio speaks
of. Children can express
themselves in many, many,
ways.

[The boys are collaborating to
create the turtle's shell.]   2
They are listening to each
other.

During this episode [I just
sat, listened, and observed   4
the boys, until they decided
they needed help.] This was
new to me. This is all a part

Observation #10 (cont.)
4-22-94

T: What's the problem?
Bra: We need to cut it here.
M. tries to cut an egg carton
without opening it up.
Jac: Open it up!
M. opens it up and cuts.
M: I did it!! Line up the
cartons for the shell.
Jac: Not perfect, but good.
M: It's okay if not perfect.

T: Are you going to leave it
where it is? (The cartons are
sitting on the paper.) What
is your next step?
Jac: (Hesitantly) We're
gonna paint it.
T: Think about it, what do
you need to do first, then
next?
Bra: We need to glue it on
first. (the cartons)
Bra: Let's start gluing. (to
Jac) When we say glued down
then you can paint.
M: Glued down.
T: Boys there are different
kinds of brushes under the
sink. You can choose what
type of brush you want to use.

Jac: Should I start?
Bra: I think we should use
tooth brushes to get all the
bumps. We need to turn this
one. (pointing to cartons)

Reggio Reflections (cont.)

of the teacher's role.
(Edwards, 1993)
[With collaboration the boys   2
solved problem.]
Jac. helped M. solve the
cutting problem.
M. is very excited that he has
been successful at cutting the
carton.
Before Reggio, I would have
said, "M. try opening it up
and cutting it;" rather than
let them figure it out for
themselves. I also would have
given them suggestions for
lining up the egg cartons.
Now, [I would rather not   4
intervene, and have it be
their work.]
Before, I would have told them
to glue down the egg cartons,
now I try to sit back and
listen and watch.

[I questioned the boys to get   4
them to think about what
their next step will be.]

[I provided them with a
variety of brushes] because [I 4
believe that the boys, given
the chance could problem solve
and see which brush would work /
best for the job.]

Before Reggio, I was more
likely to suggest what type of
material the children should
use for a job. Now, [I try   4
not to intervene and make
these suggestions.] I let the
children make more decisions
on their own.

Immediate Summative Reflections on Observation #10

1. M., Bra, and Jac are proof of my change and my image of the of the child. They are strong independent workers. They can make decisions on their own. I can see the philosophy at work.

2. I chose not to intervene regarding the egg cartons, and the boys were able to problem solve on their own. I learned about the group by listening and observing, which is the teacher's role in Reggio.

Later Summative Reflections (August, 1994)

In this entry, I could have questioned the boys about their knowledge of sea turtles, but I think it would have interrupted the flow of their progress.

Rereading the articles on change, and reflecting on these journal entries; I find that I agree with Adler (1993). She argues that as teacher educators we research various phenomenon, but rarely do we look at ourselves. I find that I reflect more on the Reggio philosophy than on my change.

Observation #11 circle time
4-25-94
T: Someone is wearing
something special. The
children begin looking at each
other.
RO: It's M. (M. is wearing a
shirt from an aquarium with
lots of fish and sea plants.)
M: We could match my shirt to
the fish cards. (I supplied
the children with plastic
cards with fish pictures used
when snorkeling.)
T: What else could we do with
M's shirt?
M: Draw it!
T: That's a good idea.
Zach wore a hat with a shark
on it.
T: Who else is wearing
something special?
Jus: Zac has a shark on his
hat.
Lace: It's a whale
Zac: It's a shark, it has
teeth.
T: Do whales have teeth?
M: Yes
Zac: They don't have this.
(points to teeth on hat)
M: Whales have a baleen. (He
describes how a baleen acts as
a strainer to the whale.)
The discussion ends and the
children go to centers.
M. is reading a book about
man-of-war.
M: A man-of-war has to float
when he is young. When he's
grown up, he can live on the
bottom of the sea. Can I make
a man-of-war?
T: What would you like to
use?
After some thinking he decided
to use a plastic bag and some
pipe cleaners. With my help
he blew up the plastic bag,
and secured it with a twist
tie. He then added the pipe
cleaners.

Reggio Reflections on
Specific Behaviors

[I tried to provoke the
children's interest in what we   4
are learning.] In addition to
this, I wanted to give special
attention to those children
who wore clothing with sea
creatures on it. Before
Reggio I might have commented
on a child wearing a
particular item of clothing,
but now I try to tie it to our
studies.

[I believe that wearing
clothing with sea creatures   /
shows me that the children
have an interest in our
subject matter.]

[I asked the question about
whales having teeth because we
have talked about this and I
am trying to see what the   4
children remember.] [I
believe that M. is
demonstrating a competent
learner that Reggio talks   /
about.] (Merrill-Palmer, 1993)

Before Reggio, I encouraged
children to be creative while
we all did very similar
projects. Now with Reggio, if
even one child wants to try
something (like M. and the   4
man-of-war) [I encourage it
and help to do it.] I am both
a facilitator and a resource
person here.

Immediate Reflections on observation #11

1. M. and his desire to make a man-of-war was wonderful to watch. He read about it, and then acted on it. After he made it, he added it to the turtle mural. While it would be difficult to help twenty children all with different ideas, I liked helping children create and learn about what they want to know.

2. The children wearing clothes with sea creatures on them showed me that they have interest in what we are learning. I bring attention to their clothing to make them feel special, and to recognize that they have contributed to our lesson by wearing that particular item of clothing.

Later Summative Reflections (August, 1994)

I never did any follow-up on using M.'s shirt for drawing or painting which could have been another activity. However, M. was so busy making his man-of-war it would have been difficult to use him.

I also think it would have been helpful when we were discussing the whales's baleen to show the children the resource pictures of both the whale and the shark. This way, the children could have seen the difference between the two animals.

Allowing and supporting M.'s decision to make a man-of-war was a step toward change. I no longer wanted to teach using patterns, and having all the children make the same thing.

Observation # 12 Free Choice
4-25-94

The children were at a table
that had several books about
sea creatures. Some began to
draw using markers. I know
they enjoy oil pastels and
have used them many times
before with good results. I
asked if they would like to
use the pastel to make their
pictures. They all said yes.
This medium always seems to
spark their interest. Many
children began and continued
to draw throughout the
morning. As they finished
their drawings, I typed their
words and then attached their
words to their work.

Many of the drawings were
matted on large construction
paper, and hung on the wall.

Reggio Reflections on
Specific Behaviors

In this case, [I have
intervened. I thought that
using the oil pastels would
provoke more learning on their
part.] I felt that to draw a
sea creature, the children
would have to have some
knowledge about it. They
studied the pictures, and then
began to draw. Provoking
learning is part of the
teacher's role in Reggio.

[I brought the typewriter into
the room, and this behavior
also provoked the children to
draw.] They watched me as I
typed their words. This was
very special seeing their
words being typed. This is
another example of giving
meaning to the children's
work.

Before Reggio, I did not have
the opportunity to use oil
pastels with children in my
class. I think the children
enjoy using them because of
the sensory stimulation. The
pastels flow unlike crayons or
markers.

Immediate Summative Reflections on Observation #12

1. I became excited as the children began to draw. Getting the typewriter and typing their words showed the children their words were important to me, and this gave meaning or importance to their work.

2. Matting their work, and hanging it up in a gallery style also showed the children that I valued their work.

3. I also feel that the children "feed" on my excitement. I try to be honest, and when they do a great job they know my excitement is real.

Later Summative Reflections   (August, 1994)

I knew from previous experience, that the children enjoyed using the oil pastels. I assumed I would get a good response from the children and I did.

I typed their words, but should have asked more knowledge questions. This was something I had trouble with.

Observation #13 Circle Time
4-26-94

T: On this table, (pointing to one of the tables) I have made some books of paper. You might want to make your own fish or sea creature book today. Remember the book we read yesterday? It had a silly poem about fish. Can anyone remember the poem?

Several of the children try, and we work together to remember the poem.
T: It (the poem) sounds like a song I know.
Rac: It sounds like "Down by the bay."

We sing the song several times using different words.
Seal eating an eel
shark eating bark
starfish driving a carfish
The children are laughing as we try to rhyme sea creatures we know.

The children go to centers. Many want to finch oil pastel pictures from the day before, and some decide to make a fish book.

Reggio Reflections on
Specific Behaviors

The children have learned about many sea creatures, and [I am trying to provoke them to demonstrate their knowledge by making a book.]   4

The song was spontaneous. The children took something they knew and built on it. I am trying to encourage these spontaneous ideas. [The children's song was their symbolic representation, just like drawing a picture.] (see entry #10 Piaget)   2

Before Reggio, I let children continue to work on activities from the previous day. However, now [I try to give the children even more time to work on activities, and in some cases suggest they add to the previous day's work.]   4
Giving children time is very important in the Reggio philosophy.(Merrill-Palmer, 1993)

Immediate Summative Reflections on Observation #13

1.   The song was great! I am getting more comfortable with the
spontaneous happenings. This is learning. The children say what
they want, laugh, and sometimes get silly.

2.   Our group times are times of fun learning.

3.   I enjoy myself when our class is more spontaneous, and more
of what we do then comes from the children.

Later Summative Reflections (August, 1994)

I think I would have had a better response to the books (very few
tried it) if I would have said they could have used our poem and
then illustrated it; or suggested that they dictate their ideas
to one of the teachers.

I also could have discussed the book idea in more detail or shown
the children examples of books from the classroom or other
children. However, doing all of this might have been considered
intervention in the Reggio philosophy rather than provoking
learning. The fine line between provoking and intervention was
not always clear to me.

Observation #14 Circle Time
4-27-94

Reggio Reflections on
Specific Behaviors

Aya and RO wore clothes to school with sea animals on them; Est. brought a toy shark, and Jac brought snail shells. All these things brought about a discussion of what we can eat from the ocean. We also identified all the sea creatures on their clothing.

T: What can we eat from the ocean?
Jac: Fish
Stev: Shark
Jus: Crab
Zac: Lobster
Steph: Fish
Est: Shark
M.: Octopus
Stev: Sushi
T: What is sushi?
Stev: It's fish that's not alive.
M: Turtle steak
T: Jac can you tell us where you got your snail shells?
Jac: My mom's friend gave them to me, she said that the sea gulls eat the snails and drop the shells in the water. (He passed them around the circle, looking proud that he knew this information.)
Anna: I went in a glass bottom boat in Florida.
T: What did you see?
Anna: You can see fish and bones. We went in another boat and you could see alligators.
T: What's the difference between alligators and crocodiles?
The children discuss their ideas, and decide we are not sure about the differences.
T: We'll have to check the books and find out the differences.

[I used all the materials the children provided me with to extend their interest and facilitate lear...ing about the sea.]
Before Reggio, a child sometimes wore a shirt with a dinosaur when we were studying dinosaurs. However, now the children seem to show their interest in the subject or project on a much larger scale. I find that I do the same. I have purchased several dinosaur shirts, ocean creature shirts, and shirts with story or movie characters on them.

4

[I believe that identifying the sea creatures on Aya's and RO's clothing is another way the children can show me what they have learned about the ocean.]

1

[I wrote down all their ideas about what we eat from the sea.(documented)] The children were aware that I was writing their ideas, and this gave meaning to their ideas. Before Reggio this might have been a casual discussion, but here I was hoping to make a connection between sea and a possible food source.

4

Immediate Summative Reflections on Observation #14

1. Our class make-up includes several cultures including
Japanese children. Each of these cultures has different ideas
about fish as food. The children are familiar with sushi due to
the Japanese children and some have tried it with their parents.
Naming the different foods is also my way of including all the
children in our discussion. It is something they are familiar
with.

2. I feel this was a good circle time because many of the
children showed interest in our subject matter.   I want to try
and involve all the children in some part of this study.

Later Summative Reflections (August, 1994)

van Manen(cited in Adler, 1990) states that research as
reflection on experiences allows us to see again or to become
more aware of that which we took for granted. I agree, I did not
think of the new ideas until I re-read the journal reflections of
what I did.
This is the same concept used with the children's ideas in
Reggio. The teacher documents the children's words or ideas
through tapes or photographs allowing the children to revisit
their ideas.

As I re-think these entries now, I'm sorry I did not think about
visiting a fish market or sea food restaurant as a field trip.
Perhaps we could have even prepared a sea food snack.

We did try to visit an aquarium, but had a problem with bus
transportation. I think next time we will at least try to visit
a store which sells fish and aquarium supplies, and maybe
purchase some gold fish for our classroom.

We should have followed up on crocodiles and alligators during
our second group time or during free choice time. This might
have provoked another project.

Observation #15 Free choice
4-28-94

Reggio Reflections on
Specific Behaviors

Yesterday during rest time I read the class the book "Rainbow Fish". It has illustrations which use shiny foil. The children decided that they would like to make their own "rainbow fish".

This is a delightful story about a fish who learns to share. I have used this book in the past and had a good response from the children. This is an example of how [the teacher can provoke the children to do a project or activity by using a book.]

The children were told they could make any type of fish they wanted. They asked for glitter to give the fish the shiny effect. A center was created with colored paper, several colors of glitter, and other materials.
The children were very active at this center, and worked throughout the morning. Many chose to make several fish. They drew the fish or sea creature, cut it out and generously used the glitter. Some children made one fish for our classroom and one to to take home.

When I used the book before the children used a pattern to make one type of fish. [This time, the children needed very little direction, they knew what they wanted to do, and demonstrated their knowledge by creating all types of sea creatures.] This shows a shift on the children's part. [As a result of their behavior, I believe in the Reggio image of the child.] This demonstrates a shift in my thinking.

Some of the children used the resource books to decide how to make their fish, while others used a method one of the children discovered. They found that if you started to make the number eight you could easily change it to a fish shape. They taught each other how to successfully make a fish!

Without a pattern or pre-cut shape, the children had to problem solve to make a fish shape. Before Reggio, I showed or told the children how to do something such as make a fish. Now, the children are doing more of the problem solving. This shows me what [I believe that the children can construct knowledge.]

Immediate Summative Reflections on Observation #15

1. Like pastels, certain mediums really provoke the children to try an activity. Glitter is one of these mediums. The children enjoyed the story, and adding the glitter to the activity made it very successful.

2. I get excited when the children enjoy an activity. When they asked if they can make more than one of a project I know they are excited. It also demonstrates to me that when they are comfortable doing something, they will do more of it. Reggio gives the children and the teacher the time to experience this. The children can continue to do something until they feel they are finished.

Later Summative Reflections (August, 1994)

We used the glittered rainbow fish and sea creatures to make a mural, but we could have made individual rainbow fish books or stories about the rainbow fish.

The children did not use another medium such as paint or markers to represent the story, perhaps this could have been suggested or provoked.

I still laugh when I think about the children collaborating to make the fish shape. I think it is because it is a simple example of children constructing knowledge.

Observation #16 Circle Time
5-5-94

I brought in home made fishing
poles with magnet ends.

T: What are these things?
Rac: Fishing poles.
T: What could you do with
them?
Jus: Fish for paper fish.
M.:   You have to have metal.
Hani: Put a clip on it.   Some
of the clips hang off the
fish.
T: What will happen?
Hani: The fish will come on
the pole.
Lace: 'Cause it's a magnet.
T: What could we make the
fish out of?
Anna: We could make them out
of clay.
T: Any other ideas?
Jac: A clay fish would be
good we could hide the magnet
in the clay.
Rac: The clay would break.
Bra: Playdough?
Hani: Paper
Jus: Paper with plastic
(laminate)
M: Foil
Rac: Paper with plastic so it
won't rip with clips.
M.:   A refrigerator magnet
won't stick.
T: What's another word for
stick?
No response.
T: We say that magnets
attract.
Jac: Aluminum will not stick
to magnets.

During free choice the
children had the opportunity
to use the fishing poles with
fish they made.   Many
materials were available to
use for fish making. As well
as different types of clips.

Another center included larger
magnets and all types of

Reggio Reflections on
Specific Behaviors

Reggio states that the teacher
must sometime set up problems
for the children to solve.
(Edwards, 1993)   [I brought in
the magnets to set up a
problem and provoke a learning
situation.]
I have used the magnet fishing
poles before Reggio, but I
have given the information to
the children regarding the
magnets.   I am trying to let
them do the problem solving
regarding the magnets, and
what will attract.

[I am documenting all their
ideas with the hope they will
experiment with their ideas
after circle time.]

Some of the children have had
prior experience with magnets
and know that some metal is
needed.

Observation #16 (cont.)

"junk" to experiment with.
Stev: Look the magnet sticks
to the chair part, and look at
the pencils.

Group Time

T: I noticed many of you made
fish and used the fishing
poles. No one made a foil
fish, how come?
Chr: The marker spreads on
the foil, and comes off.
Rac: The crayon won't show
up.
T: Could you cut a fish out
of foil?
Class: Yes.
T: Will the magnet attract
the foil?
Varied response.
T: Let's vote. How many
think the magnet will attract
the foil? 5 yes 12 no
T: I think it will attract.
We do the test, the magnet
does not attract the foil.
Rac: We could put a clip on
the foil.
We try a paper clip and it
works
T: Will a paper fastener
work?
Class: Try it.
We test the paper
fastener(brad) and it works.
T: When you were at the
magnet center what things did
the magnet attract?
Stev   Key chain
Jac: Foot of the chair
(metal)
Yuya: Tin can
Stev: Ball with bell in it
Chr: A nail
T: Can we say anything about
magnets? What did you learn?
Jac: Some metals are
attracted by magnets, but not
all.

Reggio Reflections (cont.)

[Stev was using all the "junk"
to create his own magnet art.] 2
Another case for the 100
languages of Reggio.

As in the earlier entry [I set
up the problem and hope the
children would solve it.] The   4
children had greater success
using a paper fish with a
paper clip or a brad. The
foil proved difficult to work
with, so they chose not to use
it.

[I am trying to get the
children to think through the   4
process of making a fish and
testing whether it will work.
This is my way of provoking
knowledge.]

[I questioned all the
children, to involve them and   4
try to get them to form an
opinion.] Asking the children
to vote sometimes helps me do
this.

[I'm trying to problem solve
with the children. Some of   *4 2
the children can do this,
while others need to be
provoked to do this on their
own.]

Immediate Summative Reflections on Observation #16

1. I made an effort to set up a problem with all the things in
the magnet center.

2. Whenever Stev experienced success with the magnet attracting
something he was so excited. I've never seen him look like this.
He was genuinely learning and testing materials. He even had
pencils with metal tops hanging off the magnets. This is an
example of a constructivist physical knowledge activity. It
contains all the criteria: "the child must be able to produce the
phenomenon by his own action, the child must be able to vary the
his action, the reaction of the object must be observable, and
the reaction of the object must be immediate."(DeVries & Kohlberg
1987, p. 92-93)

3. Stev's learning by testing is how I'd like more of our days
to go. These kinds of situations do not occur often enough.

4. I am observing, I enjoy watching these moments of learning.

Later Summative Reflections   (August, 1994)

Having success with the magnets, I am sorry that I have not set
up more problems for the children to explore. I know this is a
large part of Reggio, and one that I will have to concentrate on
in the future.

The children had the opportunity to use the fishing poles with
magnets, and the magnet and "junk" center. Maybe I could have
made something with magnets, although no ideas related to this
came up from the children other than Jac's idea of the clay fish
with magnets.

I am sorry I did not document Stev's magnet art with a
photograph, this could have been another example of the 100
languages of Reggio.

Observation #17 Circle Time
5-6-94

Reggio Reflections on
Specific Benaviors

Today at circle time the
children are planning what
they want to do for our
celebration at the end of the
ocean unit.
T: What kinds of things would
you like to do at our
celebration?
Rac: Play hide the fish.
Hani: Wear shorts.
T: How would you like to eat
lunch on your towels, like at
the beach?
Class: Yeah!
Bri: Wear swim suits.
Bra: Play pin the face on the
fish.
Chr: Have music.
Jac: Play pin the tentacles
on the anemone.
Chr: Play beach ball.
Bri: Have dancing.
Jus: Have a dance contest.
Est: A rock and roll party.
T: We have many ideas which I
have written down. I want you
to think today, and we'll see
if you have any other ideas.

[Listing the children's ideas
is my way of acting as the   4
children's memory.](New, 1991)

Before Reggio, each week might
be a different subject matter
with no real ending other than
the changing week. Now, with
Reggio, I try to have an
ending or closing celebration
to end the study. I do this
when it seems the children are
ready, and their interests
seems to be waning in the
subject matter. [We then
collaborate and plan the   2
celebration or party.]

They have finished their
murals, and other ocean
projects.

We spent the rest of the
morning working on Mother's
day gifts. The celebration
plans were put on hold.

Immediate Summative Reflections on Observation #17

1. This planning did not go as well as I had hoped. The children did not seem to have any specific ideas, or maybe it's a case of I do not like their ideas.

2. When we planned our last ending party the children decided to make games and this stretched the unit out at least another week or so. This time I think they are more concerned with mother's day gifts and want to just end the unit.

Later Summative Reflections   (August, 1994)

The party turned out very well, even though it did not have a lot of planning. Maybe it would have been better to end the study of sea creatures early and then do the mother's day projects. Doing both at the same time, the children had to divide their interest; and this was difficult for them to do.

Observation #18 Free Choice
5-6-94

Bra. had not done a pastel drawing last week, and asked to make one. This provoked many more of the children to make another pastel picture.

Bra. looked through the resource books, and then drew a whale in the ocean.

Est., a student who joined us in January had difficulty drawing when he first arrived. He is very interested in sharks. He has found all the shark pictures in our resource books and continues to draw pictures of sharks on paper, paint pictures of sharks, as well as drawing sharks on the blackboard.

Reggio Reflections on
Specific Behaviors

The children have no problem making a decision about what they want to do. [I believe this is because of the Reggio approach.] They have learned that not only will I let them do a different activity, but encourage them to do so. Before Reggio, I might have said, "We did that last week, this is what we are doing today."

[I believe Bra. demonstrates the strong image of the Reggio child. He knows what he wants to do and does it.]

I have learned from my experience with Reggio that [the children will continue to symbolically represent something through drawing or another medium once they experience success. This was why Est. continued to draw sharks.] Reggio gives them the different mediums to experiment with.

Immediate Summative Reflections on Observation #18

1.   The children continue to enjoy using the pastels to draw, and
I continue to get excited by their drawings.   Some of the
children are even working in groups to create a story with their
pictures.

2.   I think a large part of the Reggio success with projects or
individual art goes back to the teacher.   The children enjoy wnat
they are doing (drawing), because it is something they are
interested in; and the teacher gets excited by their results.

3.   Est. practiced his sharks, and I encouraged him to do so.
When he felt successful with markers, he then went on to other
mediums.   The teacher needs to be both a good listener and
observer as Reggio states.(Edwards, 1993)

Later Summative Reflections (August, 1994)

I did not question the children enough about their work. I need
to learn to question the children to see what their understanding
is, while not creating a situation where they will not want to
draw because they will always be questioned.

Forman(1990) suggests choosing an aspect of the picture and
asking the child to tell more about it. He states when done with
skill, it will deep the child interested in their own
understanding.

Observation #19 Free choice
5-10-94

We had a visit from the head teacher. (She usually comes weekly.) She showed the class snakes made of fabric by another class. She told the children if they choose to do sewing she would help.

The children were interested, stating they wanted to make fabric fish or sea creatures.

The children were supplied with fabric, markers, paper, scissors, and crayons. I suggested they draw their creature and plan how they wanted it to look. Many used the figure eight method of drawing a fish on the paper. They then cut out the paper fish and used these for a pattern. They traced the pattern on the fabric of their choice, and cut out the shape. The children used markers to decorate the fabric.

The next two days were spent cutting out fish, stuffing them with cotton filler, and sewing them. I brought in my sewing machine, and the children watched me as I sewed the creatures. I sewed the creatures half way, the children stuffed them, and then I did the final sewing. (Since I have a sewing machine and sew, I did not need the help of the head teacher.) The children decided they wanted the fish displayed for the family celebration in a fish net. I was able to get a net and all the fish were displayed for the parents.

Reggio Reflections on
Specific Behaviors

Our head teacher's job was to act as an consultant similar to the "pedagogista" in Reggio Emilia. The "pedagogista" in Italy works with the teachers helping them with themes as well as participating in providing in-service training. (Fillipini, 1993)
[The head teacher provoked the idea of fabric fish and the children made the decision to make the fish.] *4*
I did intervene when I suggested the children plan their creatures by drawing them, [however I was trying to provoke the idea of planning a project before beginning.] *4*

The Reggio philosophy wants the children to have a strong image and be independent, but there is still room for collaboration. [My sewing the fish was my part of collaborating to complete a project.] *2*

[Using the sewing machine was much like the typewriter in entry #10. [The children could watch me working on their creations and this provoked] more [children to participate and create a fabric sea creature.] I also think the children were aware of my interest and enjoyment in what we were doing. I complemented them on their projects and showed the class each finished project. *4* *2*

The family celebration is a party held at the end of the school year for the whole family to come and view all the children's work.

Immediate Summative Reflections on Observation #19

1. The head teacher provoked the idea of making fabric fish and the children took this idea and carried it out. They needed very little help once they had the materials. They experimented with different fabric and decorating with markers.

2. I did not show the children how to draw a fish, they learned from each other. Before I would have done a sample for them to see, or I would have provided patterns for them to use. I did help them when they asked for it.

3. I did do the sewing on the sewing machine rather than let the children sew by hand. This I would like to think of as collaboration rather than intervention. Earlier experiences with sewing puppets and bean bags have left the children frustrated and they did not seem to enjoy the activity. I wanted them to experience success with this project and they did.

Later Summative Reflections   (August, 1994)

I could have made no suggestions regarding how the fish were to be made. However, I knew we had limited fabric and without planning on the children's part I assumed much fabric would be wasted before the children realized how to make the fish.

I could have given the children the opportunity to sew their own fish.   I admit I wanted the children to have success with the activity.

Observation #20 Free Choice
5-19-94 Sea Party

Reggio Reflections on
Specific Behaviors

It was decided by the children
and teachers that our "sea
party" would include lunch by
our own sea (a blanket) and
sea related games and
activities.

The children had the
opportunity to decide what
they wanted for the party,
(earlier entry)   Before
Reggio I would have done most
of the planning.

During free choice, a blanket
became our sea and the
children could decide what
they wished to do.   The art
center was open with many
materials to use as they
wanted to.
The blanket became a
spontaneous ocean with
swimmers, divers, and surfers.
The children used blocks to
create a dock and diving
board.   The long blocks were
used for surf boards and many
sang the Beach Boys surfing
song as they surfed!!
The children made a whale
calling machine and used paper
cones from the art center for
"oil sucking machines".   A
brown blanket became an oil
spill.   (We had discussed what
an oil spill was and used oil
and water in a jar to
demonstrate.)

Before Reggio, I was not as
open to the children moving
back and forth from center to
center.   [I believe there is a
lot more freedom in the room
now.]   [The children created
their props at the art center
and then took them to the
block area.]

With Reggio,   [I believe the
children are much more
spontaneous.]   They know they
can be because it is
encouraged.   [I sang with the
children as they surfed, this
was my way of encouraging the
play.   I also took part in the
play.]

M: Let's pretend this is the
dock.   We can jump off here,
get in line behind me.
Stef: I'm the life guard.
A group of children save a
drowning swimmer.

[I believe that the children's
dramatic play reflected what
we had discussed in class.   An
example of Reggio's strong
independent learner.]
[The children collaborated to
continue the play.]   [Their
dramatic play included
swimmers and life guards as
well as surfers all working to
continue the play.]

Many children made hats to
wear at the art center and
returned to the sea to play.
Someone decided they needed
flags to alert the swimmers of
sharks, so they returned to
the art center to make flags.
They used paper rollers and
colored paper for flags.

[I have facilitated learning
by making the materials more
available to the children to
use in both the art center,
and where I store it.]   I have
told them they may use the
materials when they choose to.

Observation #20 (cont.)

Free choice ended and with a
game and all the children
received ocean creature
stickers. Most could identify
the creatures on the stickers.

We then ate lunch on the edge
of our sea, eating goldfish
crackers, and sticking our
feet in the pretend sea!

Reggio Reflections (cont.)

Identifying the sea creatures
is an example of Piaget's
assimilation and
accommodation.

[The children's dramatic play,
eating lunch by the ocean and
sticking our feet in it;] is
an example of Reggio's 100
languages of children.

Immediate Summative Reflections of Observation #20

1.   The spontaneity of the play pleased me greatly. The children
decided what they wanted to do, and did it. I did not intervene
except to play with them, or to supply a needed prop. This
showed me how well the children could collaborate as well as
co-operate.

2.   It also showed me how the children can demonstrate what they
have learned through their dramatic play. (The oil spill, and
the shark alert had been discussed in class.) This is an example
of Reggio's 100 languages of children.

3.   Changing the classroom's environment by making changes in
where the materials are stored has benefited the children.
(De Vries, 1988) They can see what there is and use it when they
want to.   I sometimes give limits on special resources such as
colored foil paper, but for the most part the children can use
what they choose.

Later Summative Reflections   (August, 1994)

I could have suggested that the sea party be a more planned
celebration as was the case for our dinosaur party. However, the
spontaneous nature of the sea party seemed to make it a success.
I was a risk taker and this is a very important part of being a
teacher in the Reggio approach.

Appendix D

Frequency of Idea Units in Journal Entries

	Belief	Practices		
Journal Entry	Image of Children	Children's Participation	Teacher's Role	Parent's Participation
1.	1	1	3	0
2.	2		2	0
3.	3	1	4	0
4.	2	2	6	0
5.		1	1	0
6.	1			0
7.	3	1	3	0
8.	2	2	1	0
9.		1	2	0
10.	1	3	8	0
11.	2		3	0
12.			2	0
13.		1	2	0
14.	1		2	0
15.	3		1	0
16.		1	6	0
17.		1	1	0
18.	2	1		0
19.		2	3	0
20.	3	4	2	0
Totals	26	23	51	0