# The emergence of early childhood literacy

Julia Gillen and Nigel Hall

In this chapter we explore, rather briefly, how the approaches researchers
bring to studying young children and written language have changed across
time, and how in the process critical concepts have been redefined leading
to the emergence of early childhood literacy as a major research focus at
the beginning of the twenty-first century.  We are making the claim that
research into early childhood literacy is a very recent phenomenon.  This
may surprise many people; after all, formal research into the ways in which
children have learned about written language has been going on for well over
a century, and if an informal definition is adopted then it would be over
many centuries, maybe even millennia.  However, we want to claim that there
are specific attributes of the term *early childhood literacy research* that
distinguish it from the many earlier meanings that have underpinned the ways in which previous researchers have examined young children's relationships with written language.

The story of how early childhood literacy emerged as a distinctive and
dynamic research area is a fairly complicated one and to do it full justice
would require more space than is available to us.  To keep control of our
account and to contain it within the space allowed us, we have decided to
focus on a small number of themes, each of which we see as significant in
the emergence of early childhood literacy as now understood.  There is, to
start with, a crude historical direction the order of our themes; however,
this become more difficult to sustain as we move towards the end of the
twentieth century and at this point considerable overlap is unavoidable.  We
are conscious that in this short chapter we have to be selective about the
choices made for discussion.  We select mostly book-length studies for
particular emphasis; for although ideas tend to find their first output in
journals or theses they are then consolidated more comprehensively in books.
Our choices are necessarily personal ones and we do not claim that we always
use the most significant texts of their kind (although they may be), or that
they are themselves the most influential texts, and neither do we claim that
together they represent a completely coherent story.  We reflect our
perceptions of the changing nature of attitudes, values and influences of
the particular shifting intersection among disciplines that constitutes
research into learning and using written language in early childhood.

## The move towards 'literacy' and 'childhood'.

### Psychology, written language and young children

We have chosen to start at the end of the nineteenth century.  It was a time
in which researchers from one discipline had begin to take a specific
interest in young children's relationship with written language, although we
are certainly not suggesting that it had been completely ignored before
this.  At this point it would be very unusual to find anyone researching
literacy as, according to the Oxford English Dictionary, the term 'literacy'
was first used in print in 1883.  In the nineteenth century researchers, and
anyone else, talked about reading and writing rather than literacy.

Even as the modern discipline of psychology emerged in Wundt's laboratories, it took a research interest in reading.  The major theme of this early work was that reading is primarily a perceptual activity centred on sound/symbol relationships.  The linking of sound and vision made reading susceptible to the interests of perceptual psychologists partly because they focussed upon individual behaviour and partly because aspects of perceptual behaviour could be measured (Catell, 1886).  The second was acceptance of the notion that learning was unlikely to take place unless children were 'ready' (mentally and physically).  The notion of readiness in association with
reading appears to have been used first by Patrick (1899), was supported by
Huey (1908) and remained a dominant concept in young children's reading for the next 60 years.  Huey's seminal work typifies these characteristics.
A lot of it is devoted to visual perception and reading, while in the
pedagogy section Huey seeks to reconcile psychological evidence relating to
readiness with the current practice of starting children early on reading.
His answer seems in some respects to be quite contemporary; root early
written language experiences in play.

It was however, readiness that won.  In 1928, two US psychologists began to
explore reading readiness formally (Morphett and Washburne, 1931).  They
claimed reading readiness was closely linked to mental age and, more
specifically that, 'It pays to postpone beginning reading until a child has
attained a mental age of six years and six months.' This position was
supported by a later study that claimed, 'A mental age of seven seems to be
the lowest at which a child can be expected to use phonics.' (Dolch and
Bloomster, 1937).  That these studies were based on ludicrous and arbitrary
notions of what counted as reading (and for a stunning critical review of
these studies see Coltheart, 1979) and 'satisfactory progress in reading'
did not stop the educational world from falling in love with their
propositions.  For the next 50 years books about teaching reading
repeated the readiness mantras of these four researchers.  A number of
consequences followed these research studies.  Firstly, an industry emerged
concerned with promoting and selling reading readiness, usually with
non-print -related activities and materials.  Secondly, the limited
definition of reading perpetuated a notion of learning to read as an
associative activity, centred on perceptual identification and matching.
Thirdly, it supported an absolute distinction between being a reader and not
being a reader.

The emphasis on measurable behaviour was abetted by the dominance at this
time of behaviourism which, in its various guises, claimed to be able to
control reading development through systematic reinforcement systems.  By
breaking down reading into narrow skills and by linking the learning of
these skills to reinforcement systems children were supposed to acquire
mastery of them (Skinner, 1957).  Like much research into children's
reading, it was based on a number of assumptions: that children's agency was
insignificant, that children could learn nothing for themselves, that they
were objects to be manipulated by teachers, and that that reading and
writing were individual acts involving sets of discrete perceptual skills.
Behaviourist theories of language learning were dealt a severe theoretical
blow by Chomsky (1959) in a major review of Skinner's book, *Verbal
Behavior*.  On the whole, behaviourist approaches to literacy learning only
survive in some areas of special education or in more experimental
situations using mastery learning.

The major consequence of behaviourism and reading readiness theories was
that for much of the twentieth century researchers seemed to have believed
that there was simply no point in investigating, or even thinking about very
young children's thinking about, understanding of and use of reading and
writing; the possibility of this had been defined out of existence until
they arrived in school and faced a teacher.

### New disciplines and literacy

To a large extent the Second World War provided a new impetus for research
into literacy, although the driving notion was 'illiteracy' and it was
mostly associated with adults.  It was this war with its increased
requirements for more advanced skills that really brought home the
significance of low literacy levels.  The concept of functional literacy
emerged during the war and was widely adopted in development education
within mass literacy campaigns (Gray, 1956; and see Akinnaso, 1991, for a
personal perspective on this area) and later in adult and employment
education.  The notion of functional literacy for the first time forced
researchers to be interested in what literacy was for and what people did
with it in their everyday lives.  Almost for the first time research began
to consider reading as something more than simply a decoding process, but
that it had a social element.  It also led to the realisation that it was
not only reading that needed to be considered, but also writing, although it
remained true that reading received much greater attention than writing.

Another way in which the Second World War influenced research into literacy was through the emergence and consolidation of newer disciplines: cognitive psychology, the general area of information and communication studies, and psycholinguistics.  These disciplines consistently revealed that
communication, especially written communication, was a complex,
multi-layered, and highly skilled process involving  a reflective and
strategic meaning-orientated approach to behaviour.  While much of this work was related to adults, one book began to pull threads together and powerfully apply understandings to children learning to read.  This book was Frank Smith's *Understanding Reading* (1971).  It was not a research study itself, but it used a mass of evidence and theoretical work deriving from these newer disciplines. This evidence came from new studies into the cognitive
perception (Neisser, 1967; Gibson, 1969), skilled behaviour (Miller et al.,
1960), communication and information theory (Pierce, 1961; Cherry, 1966; and Miller, 1967), linguistics (Chomsky, 1957 and 1965), developmental psycholinguistics (McNeill, 1966), developmental cognition (Bruner, Goodenough and Austin, 1956; Bruner, Olver and Greenfield, 1966) and those educationalists who were beginning to make use of these new disciplines (Goodman, 1968).

Smith's book immediately attracted both huge support and massive opposition and severely divided educationalists.  It would not unfair to describe this division as 'war': with such vitriol were these differences manifested. Despite this substantial opposition, Smith's book regenerated and broadened reading-related research, which swiftly flourished and began to move in directions that even Smith had not anticipated.

Smith's analysis and synthesis had a number of consequences for the
emergence of early childhood literacy:

o    Reading could no longer be seen simply as an associative process. It
had to be recognised as a much more complex activity involved cognitive and
strategic behaviour. The approach of young children to print
reflected this complexity and use of strategy.

o    The narrowness of research into reading was breached; the area was
opened up as a topic for scrutiny and influence from a much wider set of
disciplines than psychology (although this was only a beginning).

o    Meaning could no longer be seen as simply sitting there in a text.  It
was readers who assigned meaning to print and children did this in similar
ways to adults, although drawing on different experiences.

What Smith had not done in 1971 was (a) move beyond a reading-oriented
understanding of print usage, and (b) followed through his own logic and
consider whether children who had all these complex abilities were applying
them to comprehending and making sense of print long before they moved into formal schooling.  However, these newer disciplines had begun to reposition the understanding of written language as a much more dynamic and interactive process.  It was these meanings that were carried forward and developed by other researchers.

### The emergence of 'emergence'

At the end of the 1970s and the beginning of the 1980s the relationship
between childhood and written language was changing dramatically.  There
had long been interest (mostly from psychologists) in how
some children arrived in school able to read (Durkin, 1966; Clarke, 1976;
and Forester, 1977) but such early engagement with literacy (and again it
was always reading) was studied because it was believed to be unusual.
Asking explicitly how young children made sense of literacy had begun with
psychologists such as Reid (1966) and Downing (1979) but had extended to a
crop of studies appearing in the late seventies and even continuing to the
early eighties.  These tended to focus on children in early schooling
(Johns, 1976/7; Tovey 1976).  At the same other researchers were exploring
this issue in what was ultimately a more powerful way. Clay (1969), Read
(1970) and Goodman (1976) became interested in the strategic behaviour of
children engaging in literacy and it was their approach that led to some
major shifts in the conceptualisation of early childhood and literacy.
Rather than ask explicit questions of children, something that is always
going to be problematic, they looked at the actual behaviours while children
engaged in literacy.  They saw that while many of the children's literacy
behaviours were technically incorrect, they nevertheless revealed how
children were strategic in approaching literacy and were working hard to
develop hypotheses about how the system worked.  If children aged five and
six were bringing sense making strategies to literacy, and if research from
developmental psychology was demonstrating that young school-aged
children were actively making sense of their worlds then how were even
younger children responding to literacy?  As Ferriero and Teberosky in their
seminal study (1982, p12) put it:

It is absurd to imagine that four- or five-year-year-old children growing up
in an urban environment that displays print everywhere (on toys, on
billboards and road signs, on their clothes, on TV) do not develop any ideas
about this cultural object until they find themselves sitting before a
teacher.

A number of individual case studies, by researchers studying their own
children, began to explicitly focus on the period before schooling. Lass
(1982)  started with her child from birth, Baghban (1984) from birth to
three, Crago and Crago (1993) from three to four, Payton (1984), the first
British case study, across the fourth year, while Bissex (1981) followed her
son during his fifth year.  All showed clearly how their children were
paying a lot of attention to print.  Literacy was certainly beginning before
schooling.  At the same time researchers began reporting on broader studies
involving a wider range of children (Clay, 1975; Mason, 1980; Hiebert, 1981;
Harste, Burke and Woodward, 1982; Sulzby, 1985).  A revolution was taking
place that demanded a revaluation of literacy as something that moved beyond any conventional ability to read and write.  Rather than literacy
development being something that began at the start of schooling after a
bout of reading readiness exercises, it was becoming a much broader
continuum that had its origins in very early childhood and drew its meaning
from making sense rather than formal teaching.

This rich range of studies during the 1970s and early 1980s reflected
two major moves by researchers.

o    There was increasing recognition of the role that young children played
in making sense of literacy: even the very youngest were strategic
literacy learners who paid attention to the print world, participated in it
in their own ways, and developed theories about how it worked.  A new field
of study appeared - emergent literacy.

o    This change involved a redefinition of literacy, such that literacy
began to be viewed as  a much broad set of print-related behaviours than
those conventionally experienced in education.

If there was a criticism that could made of much of the research at this
period, it would that be that research tended to be more pragmatic than
deeply theoretically based.  Subsequent developments would change this.
Nevertheless, early childhood literacy had begun to emerge and this shift
was being greatly facilitated by research that was focusing more closely on
the nature of literacy outside of schooling.

## The impact of social and cultural perspectives

It is at this point that any notion of maintaining a chronological sequence,
however crude, breaks down, for during the last 20 years of the twentieth
century a rich range of research and theoretical perspectives began to
impact upon the study of young children and written language, and did so in
ways that often overlapped or were inextricably intertwined.  As a
consequence, the following sections should in no way be viewed as discrete
areas, but as aspects of a complex  mixture of ideas that would, once again,
redefine how young children's relationship with reading and writing could be
understood.

### The entry of cultural psychology

We will start with a re-entry of psychology into this story. Chronologically the work of the Russian psychologist Vygotsky belongs to the first part of the twentieth century (he died in 1934).  However, after the 1962 translation of *Thought and Language* his work began to have an important influence on research into child development, language and thinking.  It was however only more recently (especially Vygotsky, 1978) that his work began to influence research on literacy.  The feature of Vygotsky's work that captured the interest of researchers was his recognition of the role of culture in learning, especially that individuals are inseperably connected to cultural history.  This made a timely connection with the powerful emergence of sociology and anthropology into literacy research (see next sections).

Vygotsky had a particular interest in the ways in which children use many
mediational tools to construct meaning (Lee and Smagorinsky, 2000), an
interest shared with more semiotic  theorists - see below. Vygotsky argued that language, for example, is first experienced around the
child and comes to be used by the child; it is within the flow of experience
of that participation in society that language is internalised and
understanding develops. In interactions with their environment, including other people, Vygotsky recognised that even young children acted creatively, using their imagination. In particular, pretence play was seen by him as a very powerful opportunity for children to appropriate the symbols and tools of their culture (Vygotsky, 1967; then see Paley, eg. 1984). He was interested in how the learning relationship between children and their culture developed.  In modern research this has primarily revolved around the dyadic exchanges that occur within what is usually termed the zone of proximal development, although Vygotsky himself never studied such exchanges as mother-child problem-solving dialogues (Van der Veer and Valsiner, 1994).  Despite this, many scholars have explored naturally efficient pedagogic strategies, especially in dyads, examining how adults can structure children's routes into learning from participation and partial understanding to internalisation and expertise. Concepts such as 'scaffolding' (Wood, Bruner
and Ross, 1976); 'structuring situations', 'apprenticeship' (Rogoff, 1986;
1990) and 'assisted performance' (Tharp and Gallimore, 1988) have been
particularly influential. In the 1990s developments of Vygotskyan theory extended into studies that emphasised children's agency, locating literacy within an web of related cultural activities, (Gee, 1990; Göncü, 1999). The rich proliferation of such studies is reflected in following chapters.

### Ethnography and literacy outside of schooling

That home circumstances made a difference to children's relationship with
written language had been known to researchers for a very long time.
Nevertheless, the role of the home was essentially positioned as a handmaiden to schooling.  It was sociology and anthropology with their interests in cultural socialisation, the development of sociolinguistics with its
interest in language as a social practice (Hymes, 1974) and the growing
interest in emergent literacy that led to researchers in the 1970s/80s to
look at literacy and homes in a different way.

Instead of trying to correlate literacy performance with crude
socio-economic indicators, for the first time researchers began to ask in
detail how literacy practice operated in homes and how these experiences
might influence children's attitudes to and knowledge about literacy (.
Shirley Brice Heath (1983) brought ethnography to studying literacy in
families but, significantly, looked beyond the family to the community.
Across a ten-year period she examined how different community language and literacy discourses encultured children.  She followed these children into
schooling and explored how their early experiences interrelated with the
discourses of schooling, demonstrating powerfully different effects on the
children's lives in school. In the same year as Heath's book was published
another anthropologist, Taylor (1983), introduced the phrase 'family
literacy' after spending three years working with six families
exploring how the children developed ideas and knowledge about literacy in their homes and how this related to their literacy experiences in schools.
Neither Heath nor Taylor focussed specifically upon younger children.  They
did not have to as the ethnographic study of family and community literacy
life included all participants in relation to each other; young children and
their literacy-related behaviours now appeared in context.

Heath and Taylor were part of a significant shift in literacy studies, a
shift that began to emphasise the social nature of literacy.  Street (1984)
after examining different theories of literacy and analysing community
literacy practices in Iran concluded that Western academic models of
literacy, while widespread, failed to represent the different ways in which
literacy was embedded in cultural practices.  Describing the Western model
as treating literacy like an autonomous object, he developed the ideas of
ideological 'literacies' in which different cultural and community
discourses led to significantly different ways of valuing and using literacy
(something also explored in Africa by Scribner and Cole, 1981 and in Alaska
by Scollon and Scollon, 1981). Thus from different cultural contexts
children would be bringing very different conceptions of literacy to the
autonomous practices of school literacy. Tizard and Hughes (1984) examined exactly what happened when children crossed the threshold of the classroom, challenging a prevailing – and persistent – viewpoint that working class parents necessarily contributed less to children's oral and literacy repertoires than middle-class families enjoyed.

The introduction of longitudinal approaches and ethnography to studying literacy as a social practice were very important.  Uncovering the nature and significance of literacy within family and community life required diverse tools to suit different sites, and ethnography with its focus on detailed description, the evolving of themes, the valuing of participant's perspectives, and the development of different relationships between researchers and subjects, allowed extremely detailed research to flourish. A landmark study was Wells' (1986) *The Meaning Makers*, researching children moving across different settings as they emerged from infancy, interacted with people at home then at school, following some until the end of elementary education. Significant findings included:

* children can take the initiative in literacy-related activities from an early age, but school tended to remove responsibility from them;
* 'listening' to books that are read to them – actually engaging in talk around and through books, is very possibly the most valuable type of early literacy activity;
* children learn best when engaged in authentic experiences that are meaningful for them.

Considering literacy as a social practice became and remains a dominant
theme in literacy studies and most frequently draws heavily, although not
always directly, on ethnography.  Much subsequent research concentrated on
developing more theoretical accounts of literacy (for instance, Gee, 1990;
Baynham, 1995 and Lankshear, 1997), or on exploring specific community
literacy practices (for example, Besnier, 1995; Barton and Hamilton, 1998).
Others paid more attention to children (for example, Fishman, 1988; Lofty,
1992) and some have concentrated on older children and adolescents (for
example,  (Voss, 1996; Finders, 1997 and Knobel, 1999).

How was all this work impacting on the emergence of early childhood
literacy?

o    It demonstrated clearly that literacy cannot be divorced from language
as a whole, and neither from its wider cultural context.  Literacy is given
meaning by the cultural discourses and practices in which it is embedded and
young children are from birth witnesses to and participants in such practices.

o    In uncovering young children's literacy lives in families and
communities it drew attention to how young children are learning to mean
with a much wider notion of literacy than previously considered, thus
opening the way for later investigation of broader notions of authorship,
young children's relationship to popular culture, and their involvement in
the new technologies of communication.

o    It has raised and invited powerful questions about the relationship
between literacy as a social practice and literacy in schooling at a time
when in many parts of the world the autonomous models of literacy was being increasingly privileged by governments.

### The literacy classroom as a dynamic social space

The research shifts identified so far had been increasingly opening up
literacy as a complex practice, and gradually the assumption that in classrooms the activity of teaching literacy was much less problematic came to be challenged.  While earlier studies had begun to reveal that young children were strategic, active learners when faced with classroom reading demands, classrooms were still typically viewed as less dynamic situations in which children were positioned as passive consumers of literacy knowledge.  Drawing on theoretical stances derived from ethnomethodology and social interactional perspectives (Garfinkel, 1967; Hymes, 1974; Goffman, 1981; Bloome and Green, 1984) a number of researchers began to problematise this instructional space.  By exploring in considerable detail the activities and behaviours that made up everyday classroom life, these environments, far from being places where teachers simply taught and children simply learned, were gradually uncovered as complex communicative spaces.  Children were not simply learning the academic content of lessons, but were learning (or contesting) the ways of being in classrooms. Classrooms began to be perceived as dynamic spaces that had social structures, academic structures and activity structures, and each was interlocked and interdependent (Erickson and Mohatt, 1982).

McDermott (1979) explored the discursive construction of identity and how
this impacted upon performances of literacy in second grade classrooms.
With the aid of painstaking investigation of frame-by-frame video playback,
McDermott demonstrated that children in the apparently chaotic bottom group were actually responding in ways that were equally strategic as the
responses of children in the manifestly achieving top group.  McDermott set
his analysis not in the context of prior investigations into educational
achievement, nor indeed in mainstream psychology, but rather that
micro-sociological questioning of how people in their moment-by-moment
behaviour negotiate and construct their roles and identities. This detailed,
almost second by second examination of classroom activities became a common procedural technique in an effort to locate precisely how literacy sessions were constructed and negotiated during interactions between teachers and students, and between student and student (Green, 1987; Bloome, 1989; Heap, 1989; Floriana, 1993).

One consequence of this research was a growing focus on what it was that
children brought to literacy sessions, both academically and socially, for
instance recognising that child participation depended not only on the teacher's rules for participation but the child’s standing and relationships with peers. These more finely focussed observations gradually changed from simple comparisons between the language and literacy of home and school in which the child's language in school was seen as somewhat impoverished.
Increasingly researchers discovered that whatever the formal agendas of
schooling might demand, within them children were nevertheless making rich use of their out-of-school language and literacy lives both in adolescence
(Gilmore, 1986) and in early childhood (Dyson,1989; 1993; 2002).

While the socially-oriented work of the researchers in the previous two
sections has been highly significant, it has also been criticised for not
connecting with wider concerns of a social theory of pedagogy: 'the
cross-generational production and reproduction of knowledge and power' and 'the complex fabric of texts and discourses through which social
representation and reproduction is effected.' (Luke, 1992, p108).  These
wider perspectives on literacy emerged from the work of theorists associated
with discourse studies  (Lankshear and Lawler, 1987; Luke, 1988; Baker and Freebody, 1989; Edelsky, 1996; and Gee, J. 1990 - although these have their origins in a long history of social, political and philosophical theory  - Bourdieu, 1977 and 1990; Foucault, 1979 and 1988).  Discursive approaches broaden the scope of studies into family and classroom life by examining how these social institutions are located in discourse structures and wider ideologies (Gee, 1990).  Discourses are deeply embedded and largely invisible to participants within them (although not to those outside them).  Some discourses have historically gained immense power and status, something that becomes unproblematic to those subscribing to their ideas and practices.  This understanding of how discourses and ideologies position participants,
materials and practices within early childhood, is increasingly challenged through the valuing of diversity (Cannella, 2002; Vasques, 2004; Janks, 2010). González, Moll & Amanti, (2005) used the concept of 'funds of knowledge' to develop a powerful strategy of involving teachers to facilitate parents and their communities to come to a strength-based analysis of the resources they hold to support their children's literacy development.

### Literacy as a semiotic practice

If there is one thing that most of the research written about so far has in
common, it is that it focuses on literacy as an activity involving the use
of print.  To most people this long seemed an *a priori* condition of
researching literacy, but one of the more recent shifts in early childhood
literacy has been as a result of social semiotic theory.  This theory is
concerned with ways in which meaning is made in social contexts (Eco, 1979;
Halliday, 1974).  Conventionally literacy is an act of meaning making,
whether it be in interpreting a text or generating a text, and it has always
been acknowledged that there are many other forms of meaning making, eg.
through art, music, dance, etc.  Historically these have always been linked
generally as 'creative' areas, but specifically separated as cultural
practices.  Thus, for instance, there is a long history of studies of
children's literacy, and a strong history of studies of children's drawings
(for example, Kellog, 1969; Goodnow, 1977; Gardner, 1980), giving the
impression that these activities are quite distinct.  Social semiotic theory
points out that as forms of meaning making they, and all other forms of
meaning, have as many similarities as differences, and that it is only
history and ideology that assigns particular values to these differences.

Children from very early on utilise a rich range of ways to make meaning and
while they might be able to distinguish between them as forms, they utilise
what ever they feel is appropriate in whichever ways they want to intend a
meaning.  One of the earliest team of researchers to explore this area,
albeit embryonically, was Harste, Woodward and Burke (1984). They believed
that young children's meaning making used exactly the same overall
strategies as adults, but that their results reflected differences in
experience and interest.  Although focussing mostly on print-related meaning
making by young children, they nevertheless viewed authoring as something
that could move across communication systems and which was truly multimodal. This was taken further by Rowe (1994) in her study of preschoolers as authors.  She points out that young children do not feel excessively constrained by society's distinctions between communication systems and the belief of many that young children use a variety of graphic media because they cannot write reflects a major failure to understand how powerfully children were switching between modalities as their intents shifted.

The seminal text in this area is *Before Writing* (Kress,1997).  While
acknowledging that children increasingly become aware of the ways in which
conventions operate, Kress points out that learning is not a simply
unidirectional movement in which children simply take on board a socially
determined world.  Children as well as adults transform the world while
operating with its conventions. He argues powerfully that children's use of
signs, symbols and modalities is not arbitrary but is structured and
reflects strategic choices by them to represent things that are important to
them.  Like Haste, Burke and Woodward earlier, he argues that it is
experience and  interest that distinguishes their meaning making from
adults, not their strategies.  Young children choose what they want to
represent and then select the best possible means for doing it.  What
is best (and often very complex) may come from different modes, means and
materials, regardless of whether adult culture uses or sanctions such
selections.

A number of scholars associated with Kress developed these ideas (e.g. Pahl, 1999; Lancaster, 2001; Kenner, 2003).  Pahl examined meaning making in nursery school as well as the home and demonstrated how the texts young children create ,while often ephemeral and 'messy', nevertheless represent a crossroads where adults' preoccupations, children's popular culture and interests, and the school and family narratives are played out.  Lancaster focussed on how successfully an eighteen-month child explored in complex ways different forms of graphic representation while Kenner explored how five-year-old bilingual children understood different graphic systems of writing, what she termed 'signs of difference'.   This stress on the continuity of literacy with other semiotic systems can be linked to an emphasis on the multimodality of all communicate behaviour (Finnegan, 2002) and even the argument that in all modes symbolic representations should logically be defined 'literacies' Lemke (1998).

Finally it should be noted that while very young children have little social
or economic power and their transformations may not significantly impact upon the wider world, as children get older this changes when as
adolescents their linguistic and multimodal transformations become powerful
enough to generate considerable (but ultimately futile) resistance by
adults.

### Conclusion

We are conscious that our survey has necessarily been short, is very
selective and partial, and inevitably reflects the histories of the authors.
We are keenly aware that nowhere have we been we able to do justice to the
complexity of the perspectives included (and certainly not to those that
have not been included) but know that many of the following chapters offer
the opportunity to explore recent perspectives more deeply.

We began this survey at a point where the relationship between early
childhood and literacy appeared relatively straightforward and
unproblematic, and have explored how this relationship became more complex and problematic over time.  It is clear that these changes have been dramatic and now reflect a hugely different construct of the relationship between children and written language, a perspective than can now justifiably be termed early childhood literacy.   We hope we have also shown how these changes are not discrete but are situated in much wider and deeper level changes in the way research, culture, and society have been conceived.  So what is now implied by the use of the phrase Early Childhood Literacy?

We would want to claim that:

* It is an all-embracing concept for a rich range of authorial and responsive practices using a variety of media and modalities, carried out by people during their early childhood;
* It is a concept that allows early childhood to be seen as a state in which
people use literacy as it is appropriate, meaningful and useful to them,
rather than a stage on a path to some future literate state.  It is not
about emergence or becoming literate; it is about being literate and allows the literacy practices and products of early childhood to be acknowledged as valid in their own right, rather than perceived as inadequate manifestations of adult literacy.
* It is a concept that allows early literacy to move way beyond the
limitations and restrictions of schooling and extend into all domains of the lives of people in early childhood.
* It is a concept that has evolved out of contestation, innovation and
reconceptualisation and one that has become and continues to be susceptible to the scrutiny of a wide range of theoretical and methodological positions. It is not a concept that has finished evolving, nor will it ever do so.  It is a social construct and as such will never achieve fixity.

We would also want to claim that the study of early childhood literacy is in a
healthy state.  It is a dynamic, fresh and continuously invigorated area,
as is shown by the chapters that follow.  It is also unfortunately an area
where much of the contemporary research has had very limited impact upon
political views about pedagogic practice.  We would, however, want to point
out that the study of early childhood literacy is no longer constrained by
pedagogic demands; it is now an area of investigation that has integrity in
its own right.

References

Akinasso, .F. Nyi (1991) 'Literacy and Individual Consciousness', in E.
Jennings and A. Purves (eds.), Literate Systems and Individual Lives.
Albany: SUNY Press.

Baghban, M. (1984) Our Daughter Learns to Read and Write: A Case Study From Birth To Three.  Newark, Delaware: International Reading Association.

Baker, C. and Freebody, P. (1989) Children's First School Books.  Oxford: Basil
Blackwell.

Barton, D. and Hamilton, M. (1998) Local Literacies: Reading and Writing in
One Community. London: Routledge.

Baynham, M. (1995) Literacy Practices: Investigating Literacy in Social
Contexts.  London: Longman.

Besnier, N. (1995) Literacy, Emotion, and Authority: Reading and Writing on
a Polynesian Atoll. Cambridge: Cambridge University Press.

Bissex, G. (1980) Gnys at Wrk: A Child Learns to Read and Write. Cambridge,
Mass: Harvard University Press.

Bloome, D. (1989) 'Beyond access: an ethnographic study of reading and
writing in a seventh grade classroom', in D. Bloome (ed.), Classrooms and
Literacy. Norwood, New jersey: Ablex Publishing Corporation. pp. 53-104.

Bloome, D. and Green, J. (1984) 'Directions in the sociolinguistic study of
reading', in D. Pearson, R. Barr, M. Kamil and P. Mosenthal (eds.), Handbook
of Research in Reading.  New York: Longman. pp.

Bourdieu, P. (1977) 'The economics of linguistic exchanges', Social Sciences
Information, 16: pp645-668.

Bourdieu, P. (1990) In Other Words: Essays Towards a Reflexive Sociology.
Stanford: Stanford University Press.

Bruner, J., Goodenough, J. and Austin, G. (1956) A Study Of Thinking.  New
York: John Wiley And Sons.

Bruner, J., Olver, R. and Greenfield, P. (1966) Studies In Cognitive
Growth. New York: John Wiley And Sons.

Cannella, G (2002) Deconstructing Early Childhood Education: Social Justice
and Revolution. New York: P. Lang.

Catell, J. M. (1886) 'The time it takes to see and name', Mind, 11:63-65.

Cherry, C. (1966) On Human Comunication.  Cambridge, Mass: MIT Press.

Chomsky, N. (1959) 'Review of Verbal Behaviour by B. F. Skinner',  Language,
35: 26-58.

Chomsky, N. (1957) Syntactic Structures.  The Hague: Mouton.

Chomsky, N. (1965) Aspects Of A Theory Of Syntax.  Cambridge, Mass: MIT
Press.

Clarke, M (1976) Young Fluent Readers.  London: Heinemann Educational Books

Clay, M. (1969) 'Reading errors and self-correction behaviour', British
Journal of Educational Psychology, 39: 47-56.

Clay, M. (1975) What Did I Write?  London: Heinemann Educational Books.

Coltheart, M. (1979) 'When can children learn to read - and when should they
be taught?', in T. Waller and G. Mackinnon (eds.), Reading Research:
Advances In Theory And Practice Vol 1.  New York: Academic Press. pp.1-30.

Crago, M. and Crago, H. (1983) Prelude to Literacy: A Pre-School Child's
Encounter With Picture and Story.  Carbondale, Ill.: Southern Illinois
University Press.

Dolch. E. and Bloomster, M. (1937) 'Phonic readiness'. Elementary School
Journal, 38: 201-205.

Downing, J. (1979) Reading and Reasoning.  Edinburgh: W. and C. Black.

Durkin, D. (1966) Children Who Read Early. New York: Teachers College Press.

Dyson, A. H. (1989) Multiple Worlds of Child Writers: Friends Learning to
Write. New York: Teachers College Press.

Dyson, A. H. (1993) Social worlds of Children Learning to Write in an Urban
Primary School.  New York: Teachers College Press.

Dyson, A. H. (2002) The Brothers and Sisters Learn to Write: Popular
Literacies in Childhood and school Cultures. New York: Teachers College
Press.

Eco, U. (1979) The Role of the Reader.  Bloomingtom: Indiana University
Press.

Edelsky, C, (1996) With Literacy and Justice for all: Rethinking the Social
in Language and Education. London: Taylor and Francis.

Erickson, F. and Mohatt, G. (1982) 'Cultural organisation of particpation
structures in two classrooms of Indian students', in G. Spinndler (ed.),
Doing the Ethnography of Schooling: Educational Anthropology in Action.  New York: Holt, Rinehart and Winston. pp.132-175.

Ferriero, E. and Teberosky, A. (1982) Literacy Before Schooling.
Portsmouth, New Hampshire: Heinemann Educational Books.

Finders, M. (1997) Just Girls: Hidden Literacies and Life in Junior
High.  New York: Teachers College Press/NCTE.

Finnegan, R. (2002) Communicating: the Multiple Modes of Human
Interconnection. London: Routledge.

Fishman, A. (1988) Amish Literacy: What and How it Means.  Portsmouth, New Hampshire: Heinemann Educational Books.

Floriana, A, (1993) 'Negotiating what counts: roles and relationships, texts
and contexts, content and meaning', Linguistics and Education, 5(3and 4):
241-275.

Forester, A. (1977) 'What teachers can learn from natural readers', The
Reading Teacher, 31: 160-166.

Foucault, M. (1979) Discipline and Punishment.  New York: Harper.

Foucault, M. (1988) Technologies of the Self.  London: Tavistock.

Gardner, H. (1980) Artful scribbles: The Significance of Children's
Drawings.  New York: Basic Books.

Garfinkel, H. (1967) Studies in Ethnomethodology. Englewood-Cliffs, New
Jersey: Prentice-Hall.

Gee, J. (1990) Social Linguistics and Literacies: Ideology in Discourses. London: Falmer Press.

Gibson, E. (1969) Principles Of Perceptual Learning And Development.  New
York: Appleton-Century-Crofts.

Gilmore, Perry (1986) 'Sub-rosa literacy: peers, play, and ownership in
literacy acquisition', in B. Schiefflin and P. Gilmore (eds.), The
Acquisition of Literacy: Ethnographic Perspectives. New York: Ablex.
pp.155-68.

Goffman, E. (1981) Forms of Talk.  Oxford: Blackwell.

Göncü, A. (1999) (ed.) Children's engagement in the world: sociocultural perspectives. Cambridge: Cambridge University Press.

González, N., Moll, L & Amanti, C. (2005) Funds of knowledge : theorizing practice in households, communities, and classrooms*.* Mahwah, NJ: Lawrence Erlbaum

Goodman, K. (1968) The Psycholinguistic Nature Of The Reading Process.
Detroit: Wayne State University Press.

Goodman, K. (1976) 'Miscue analysis: theory and reality in reading', in J.
Merritt (ed.), New Horizons in Reading. Newark: Delaware: International
Reading Association.

Goodnow, J. (1977) Children Drawing.  Cambridge, Mass: Harvard University
Press.

Gray, W. S. (1956) The Teaching of Reading And Writing. Chicago: Scott
Foresman,

Green, J. (1987) 'In search of meaning: a sociolinguistic perspective on
lesson construction and reading', in D. Bloome (ed.), Literacy and
Schooling.  Norwood, New Jersey: Ablex Publishing Corp. pp3-34.

Halliday, M. (1974) Language and Social Man.  London: Longman.

Harste, J., Burke, C. and Woodward, V. (1982) 'Children's language and
world: initial encounters with print', In J. Langer and M. Smith-Burke, M.
(eds.), Reader Meets Author: Bridging the Gap. Newark, Delaware:
International Reading Association.

Harste, J. Woodward, J. and C. Burke (1984) Language Stories and Literacy
Lessons.  Portsmouth, New Hampshire: Heinemann Educational Books.

Heap, J. (1989) 'Sociality and cognititon in collaborative comuter
learning', in D. Bloome (ed.), Classrooms and Literacy. Norwood, New Jersey:
Ablex Publishing Corporation. pp135-157.

Heath, S. B. (1983) Ways With Words: Language, Life, and Work in Communities and Classrooms.  Cambridge: Cambridge University Press.

Hiebert, E. (1981) 'Developmental patterns and interrelationships of
pre-school children's print awareness', Reading Research Quarterly, 16(2):
236-59.

Huey, E. B. (1908) The Psychology And Pedagogy Of Reading. New York:
Macmillan.

Hymes, D. (1974) Foundation in Sociolinguistics.  Philadelphia: University
of Pennsylvania Press.

Janks, H. (2010) Literacy and Power. New York: Routledge.

Johns, J. (1976/7) 'Reading is stand-up, sit-down.' Journal of the New
England Reading Association, 12(1): 10-14.

Kellog, R. (1969) Analyzing Children's Art. Palo Alto, CA: National Press
Books.

Kenner, C. (2004) Becoming biliterate: young children learning different writing systems. Stoke on Trent: Trentham Books.

Knobel, M. (1999) Everyday Literacies: Students, Discourse and Social
Practice. New York: Peter Lang.

Kress, G. (1997) Before Writing: Rethiinking the Paths to Literacy.  London:
Routledge.

Lancaster, L. (2001) 'Staring at the page : the functions of gaze in a young
child's interpretation of symbolic forms', Journal of Early Childhood
Literacy, 1: 131-152.

Lankshear, C. (1997) Changing Literacies.  Buckingham: Open University
Press.

Lankshear, C. and Lawler, M. (1987) Literacy, Schooling and Revolution.
London: Falmer Press.

Lass, B. (1982) 'Portrait of my son as an early reader', The Reading
Teacher, 36(1): 20-28.

Lee, C and Smagorinsky, P. (2000) 'Introduction: constructing meaning
through collaborative enquiry', in C. Lee and P. Smagorinsky (Eds.),
Vygotskian Perspectives on Literacy Research: Constructing  Meaning through Collaborative Enquiry.  Cambridge: Cambridge University Press.

Lemke, J.L. (1998) 'Multimedia Literacy Demands of the Scientific
Curriculum', Linguistics and Education 10(3): 247-271.

Lofty, J. (1992) Time to Write: The Influence of Time and Culture on
Learning to Write.  New York: State University of New York Press.

Luke, A. (1988) Literacy, Textbooks and Ideology.  London: Falmer Books.

Luke, A. (1992) 'The body literate: discourse and inscription in early
literacy training', Linguistics and Education, 4:107-129.

McDermott, R.P. (1979) 'Kids Make Sense: an ethnographic account of the
interactional management of success and failure in one first-grade
classroom'.  PhD dissertation, Stanford University.

McNeill, D. (1966) 'Developmental psycholinguistics', in F. Smith and G.
Miller (eds.), The Genesis of Language.  Cambridge, Mass.: MIT Press.

Mason, J. (1980) 'When do children begin to read: an exploration of
four-year-old children's word reading competencies',  Reading Research
Quarterly, 15(2): 203-227.

Miller, G., Galanter, E. and Pribram, K.  (1960) Plans And The Stucture Of
Behaviour. New York: Holt, Rinehart and Winsnton.

Miller, G. (1967) The Psychology Of Communication. New York: Basic Books.

Morphett, M. V.  and Washburne, C.  (1931)  'When should children begin to
read?',  Elementary School Journal, 31: 496-503.

Neisser, U. (1967) Cognitive Psychology.  New York: Appleton-Century-Crofts.

Pahl, K. (1999) Transformations: Meaning Making in the Nursery.
Staffordshire: Trentham Books

Paley, V.G. (1984) Boys and Girls: superheroes in the doll corner. Chicago, IL: University of Chicago Press.

Patrick, G. (1899) 'Should children under 10 learn to read and write?',
Popular Science Monthly, 54: 382-392

Payton, S. (1984) Developing Awareness of Print: A young child's First Steps
Towards Literacy. Birmingham: Educational Review.

Pierce (1961) Symbols, Signals And Noise: The Nature And Process Of
Communication.  New York: Harper and Row.

Read, C. (1970)  'Pre-school children's knowledge of English phomology',
Harvard Educational Review, 41(1): 1-34.

Reid, J. (1966) 'Learning to think about reading', Educational Research, 9:
56-62.

Rogoff, B. (1986) 'Adult assistance of children's learning', in T.E. Raphael
(ed.), The Contexts of School-Based Literacy. New York: Random House.
pp.27-40.

Rogoff, Barbara (1990) Apprenticeship in Thinking, cognitive development in
social context. New York, Oxford U.P.

Rowe, D. (1994) Preschoolers as Authors: Literacy Learning in the Social
World of the Classroom.  Cresskill, NJ: Hampton Press.

Scollon, R. and Scollon, S. (1981) Narrative, Literacy and Face in
Interethnic Communication.  Norwood, New Jersey: Ablex Publishing
Corporation.

Scribner, S. and Cole, M. (1981) The Psychology of Literacy.  Cambridge,
Mass: Harvard University Press.

Skinner, B. F. (1957)  Verbal Behaviour.  New York: Appleton-Century-Crofts.

Smith, F. (1971)  Understanding Reading  London: Holt, Rinehart and Co.

Street, B. (1984)  Literacy in Theory and practice.  Cambridge: Cambridge
University Press.

Sulzby, E. (1985) 'Kindergarteners as readers and writers', in M. Farr,
(ed.), Children's Early Writing Development.  Norwood, New Jersey: Ablex
Publishing Corporation.

Taylor, D. (1983) Family literacy: Young Children Learning To Read and
Write. Portsmouth, New Hampshire: Heinemann Educational Books.

Tharp, R. and Gallimore, R. (1988) (eds) Rousing Minds to Life: Teaching,
Learning and Schooling in Social Context.  New York: Cambridge University
Press.

Tizard, B. and Hughes, M. (1984) Young children learning, thinking and talking at home and at school. London: Fontana.

Tovey, D. (1976) 'Children's perceptions of reading', The Reading Teacher,
29: 536-40.

Van der Veer, R. and Valsiner, J. (1994)  'Introduction', in R. Van der Veer
and J. Valsiner (eds.), The Vygotsky Reader.  Oxford: Blackwell.

Vasquez, V. (2004) Negotiating critical literacies with young children. Mahwah, NJ: Lawrence Erlbaum.

Voss, M. (1996) Hidden Literacies: Children learning at Home and at School.
Portsmouth, New Hampshire.

Vygotsky, L.S. (1967) 'Play and its role in the mental development of the
child' Soviet Psychology, 56-18

Vygotsky, L.S.  (1978) Mind in Society: the development of higher
psychological processes. Cambridge, MA: Harvard University Press.

Wood, D.J., Bruner, J.S. and Ross, G. (1976) 'The role of tutoring in
problem solving', Journal of Child Psychology and Psychiatry. 17: 89-100.