Findings from the UK's Effective Provision of Pre-School Education Study

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Why the early years?

- " If the race is already halfway run even before children begin school, then we clearly need to examine what happens in the earliest years." (Esping-Andersen, 2005)
- " Like it or not, the most important mental and behavioural patterns, once established, are difficult to change once children enter school." (Heckman & Wax, 2004).

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Interventions with Disadvantaged Groups

"If people keep falling off a cliff, don't worry about where you put the ambulance at the bottom. Build a fence at the top and stop them falling off in the first place."

ECEC as Intervention for Disadvantaged Children

There are several studies with similar conclusions -

High Quality ECEC can improve development for children from disadvantaged backgrounds

e.g. Perry Preschool Project, Abecedarian, Chicago Child-Parent Center







Key Features of EPPE Mixed Research Design

- Quantitative analyses enable comparisons across settings and by type of provision taking account intake differences in terms of significant child, family and home factors including prior attainments or social behaviour (estimates of pre-school centre effectiveness based on 'valueadded' for cognitive progress and social behavioural development).
- Detailed qualitative cases studies of more effective preschool settings explore organisation and processes, including pedagogy, associated with positive child outcomes and increase understanding of best practice.



Effective Pre-School and Primary Education EPPE



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Home Learning Environment

Parents asked about activities in the home. A home learning environment (HLE) index constructed (Melhuish et al., 2001).

Seven activities linked to development.

0 1 2 3 4 5 6 7 not occur

very frequent

Reading to child Library visits Painting & drawing Playing with letters Playing with numbers/shapes Songs/ poems /nursery rhymes

The Home Learning Environment in the early years has powerful long-term effects

"What parents do is more important than who parents are".

(Melhuish et al., 2001)





Combining quantitative and qualitative methods

From quantitative analyses we identified ECEC centres that were particularly effective.

Then qualitative case studies looked at what made them effective.

Effective Pre-schools

Five areas were particularly important:

- Quality of the adult-child verbal interaction.
- Knowledge and understanding of curriculum.
- Knowledge of how young children learn.
- Adults skill in helping children resolve conflicts.
- Helping parents to support children's learning at home.













EFFECTIVE PRE-SCHOOL PROVISION IN NORTHERN IRELAND (EPPNI)

Study in Northern Ireland 850 children followed from 3 to 11 years of age. Similar results to EPPE in England.

At age 11, allowing for all background factors, The effects of quality of pre-school persist until age 11 years

High quality pre-school – improved English and maths, And improved progress in maths during primary school.

Children who attended high quality pre-schools were 2.4 times more likely in English, and 3.4 times more likely in mathematics, to attain the highest grade at age 11 than children without pre-school.

What matters

3 elements for good educational and social success

Good Home Learning Environment (before school)

Good preschool for longer duration

Good primary schools

Those children with all 3 will out-perform those with 2 who will out-perform those with 1 who will out-perform those with 0 All other things being equal

Conclusions

- From age 2 all children benefit from preschool.
- The quality of preschool matters.
- Part-time has equal benefit to full-time.
- Preschool effects persist until teenage years
- High quality preschool can protect a child from effects of a low effective school.

The Impact of Research on Policy

DfES's Analytical Strategy (DfES, 2006)

"The results of the EPPE study have already had a significant impact on policy development in early years, especially through clearly demonstrating the vital influence of the quality of provision on successful outcomes. Continuation of the cohort will enable us to understand the lasting impact of early years experience and the factors which either enhance or negate this" (DfES, 2006, p20).

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'the main source of analyses of the impact of pre-school provision on child development in the UK is the Effective Provision of Pre-School Education Project (HMT, 2004, p65).

Effects on policy in UK

- Free part-time pre-school from age 3 (2004)
- Extension of parental leave (2004)
- 10-year Childcare Strategy (2004)
- Guidance for Children's Centres (2005)
- Childcare Bill (2006)
- Acceptance that money spent on pre-school produces savings later



Tensions in policy making

- Universal or targeting
- Individual community designed, or standardised with central guidelines
- 'interventions' or 'system reform'
- Structural solutions, workforce solutions, cultural change

ECEC as part of society's infrastructure

ECEC is a means of advancing educational and social development for all and it becomes part of the infrastructure for longterm economic development (Melhuish & Petrogiannis, 2006).

Some countries, e.g. China (Shenglan, 2006) have adopted this perspective in their focused development of ECEC.

Example References

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