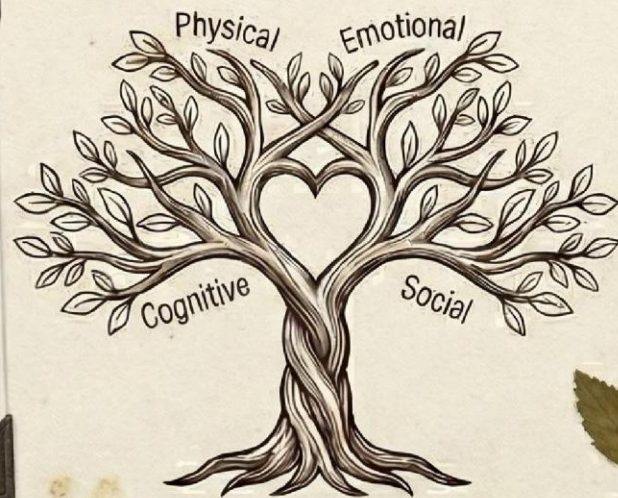
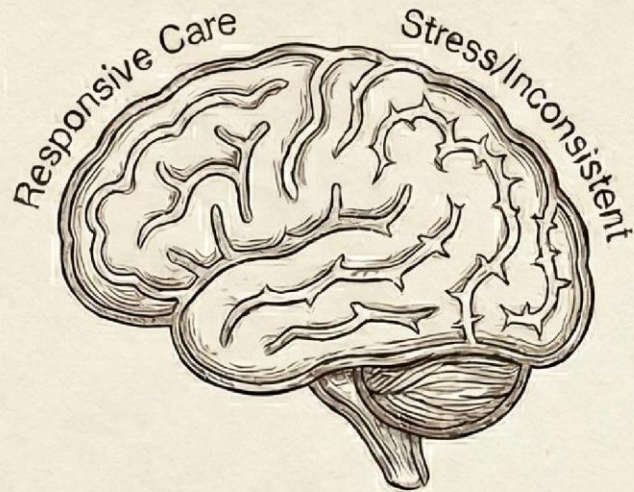




- **Module code and name: ECEY4005: The First 1000 day**
 - **Student id-2516300**

*Generative AI was used for research support, proofreading, visualisation and creation of background images.
All written content, structure and critical analysis are the student's own.*

Introduction: The First 1000 Days



A critical period from conception to two years, shaping brain growth, emotional, physical, and relational foundations.

Early experiences are formative, Responsive interactions strengthen neural pathways, while stress disrupts development.

Holistic approach: interconnected physical, emotional, cognitive, and social domains.

Influenced by ecological factors like family, culture, and society.

Exceptional care is intentional, respectful, and recognizes routines as relational learning opportunities.



The First 1,000 Days of Life – UNICEF (Philippines)

Pregnancy



Maternal Nutrition & Care

Infancy
(0–6 months)



Colostrum & Breastfeeding:
Immunity, Attachment, Cognitive Dev.

Toddlerhood
(7–24 months)



Healthy Foods & Play



UNICEF Philippines - The First 1,000 Days

UNICEF Philippines - The
First 1,000 Days

The UNICEF Philippines video reinforces global evidence that investment in the first 1,000 days is essential for lifelong health, learning and wellbeing.

This video highlights the critical importance of nutrition, care and responsive relationships from pregnancy to age two, reinforcing course themes on holistic development, prevention and early intervention.

Introduction: The First 1000 Days

The first 1000 days of life, spanning from conception to approximately two years of age, represent a critical period of human development. During this time, rapid brain growth, emotional organisation, physical development and relational foundations are established, shaping lifelong health, learning and wellbeing (Karakochuk et al., 2018; Gerhardt, 2015). Contemporary early childhood research consistently emphasises that experiences within this window are not merely influential but formative, laying the groundwork for how infants relate to others, regulate emotions and engage with the world (Ødegaard et al., 2019).

Neuroscientific evidence demonstrates that early experiences directly influence brain architecture. Gerhardt (2015) explains that repeated, responsive interactions strengthen neural pathways associated with emotional regulation, attachment and stress management, while prolonged exposure to stress or inconsistent caregiving can disrupt neurological development. This highlights that care in the first 1000 days must extend beyond meeting physical needs, requiring emotionally attuned, relationally secure and developmentally informed practice. Exceptional care during infancy therefore involves recognising infants as active participants in relationships rather than passive recipients of care.

Holistic development is central to understanding the significance of this period. Brodie (2018) argues that infants' physical, emotional, cognitive and social development are deeply interconnected, meaning that changes in one domain inevitably influence others. For example, an infant who feels emotionally secure is more likely to explore their environment, supporting both motor development and early cognitive curiosity. This interdependence reinforces the need for early years settings to adopt a holistic, relationship-based approach rather than focusing narrowly on developmental milestones.

The first 1000 days are also shaped by wider ecological and relational influences. Bronfenbrenner's ecological systems theory highlights how infants' development is influenced not only by immediate caregiving relationships but also by family circumstances, cultural values and societal structures. Factors such as parental mental health, socioeconomic inequality and access to community support can significantly impact infant wellbeing (Ødegaard et al., 2019). This positions early years practitioners as vital contributors within a broader network of support, particularly for families experiencing vulnerability.

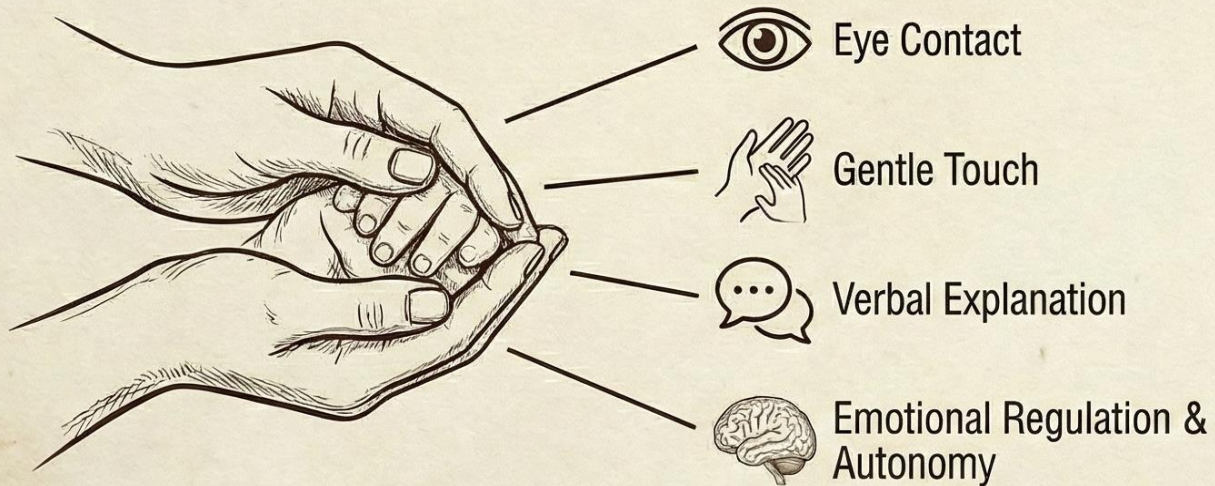
Exceptional care during infancy therefore involves intentional, respectful and responsive caregiving that recognises everyday routines as meaningful learning opportunities. Activities such as feeding, nappy changing and settling to sleep are not neutral tasks but relational moments that communicate safety, trust and belonging (Brodie, 2018). Sagastui et al. (2021), drawing on Pikler pedagogy, emphasise that sensitive adult intervention during care routines supports infants' autonomy, emotional security and sense of competence.

This digital scrapbook explores what exceptional care for infants could look like within early years settings, grounded in theory, research and reflective practice. It critically examines the challenges of caring for infants, evaluates current approaches, and presents activity ideas and environments that support holistic development. The scrapbook also considers inclusivity, respectful caregiving and the importance of professional partnerships, including international perspectives.

By focusing on the first 1000 days, this work underscores the ethical and professional responsibility of early years practitioners to provide care that is nurturing, relational and transformative for infants and their families.

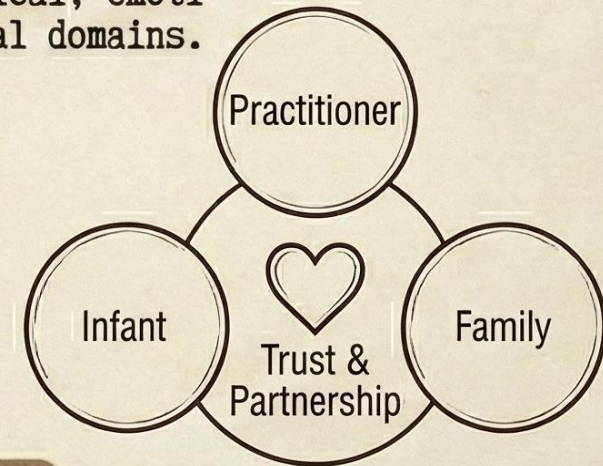
Caregiving: What Is Exceptional Care?

Responsive & Respectful Care



Enabling Environment: Calm & Predictable
physical, emotional, and social domains.

Exceptional care is relational, inclusive, and intentional. It involves respectful interactions, enabling environments, and recognizing infants as active participants. Everyday routines are meaningful learning opportunities that shape a child's sense of self, security, and agency. Sensitive adult intervention supports emotional regulation and attachment.



Relationship-Based Approach

Caregiving: What Is Exceptional Care?

Exceptional caregiving in the first 1000 days is rooted in the understanding that infants are competent, relational beings whose learning and development emerge through responsive, respectful and emotionally attuned interactions. Rather than viewing care as a series of tasks to be completed, exceptional practice recognises caregiving moments as central learning opportunities that shape infants' sense of self, security and agency (Brodie, 2018). This perspective aligns with relationship-based and rights-respecting approaches to early childhood education, where wellbeing and belonging are prioritised as foundations for development.

A defining feature of exceptional care is respectful caregiving, as strongly advocated within Pikler and RIE (Resources for Infant Educators) approaches. Sagastui et al. (2021) highlight that sensitive adult intervention, characterised by calm presence, verbal explanation and responsiveness to infants' cues, supports emotional regulation and autonomy. For example, during nappy changing, practitioners who explain actions, maintain eye contact and respond to infants' signals transform routine care into a meaningful relational exchange. These moments support attachment security, language development and trust, illustrating how emotional, cognitive and social domains develop simultaneously.

Exceptional care is also closely linked to enabling environments that support infants' exploration while maintaining emotional safety. Brodie (2018) emphasises that environments should be predictable, calm and thoughtfully organised, allowing infants freedom of movement and opportunities to engage at their own pace. This aligns with Pikler-informed practice, where uninterrupted play and self-initiated movement are valued as essential for motor development and self-confidence (González-Patiño, 2018). An enabling environment does not overstimulate infants but instead offers carefully chosen resources that invite curiosity, sensory exploration and secure exploration.

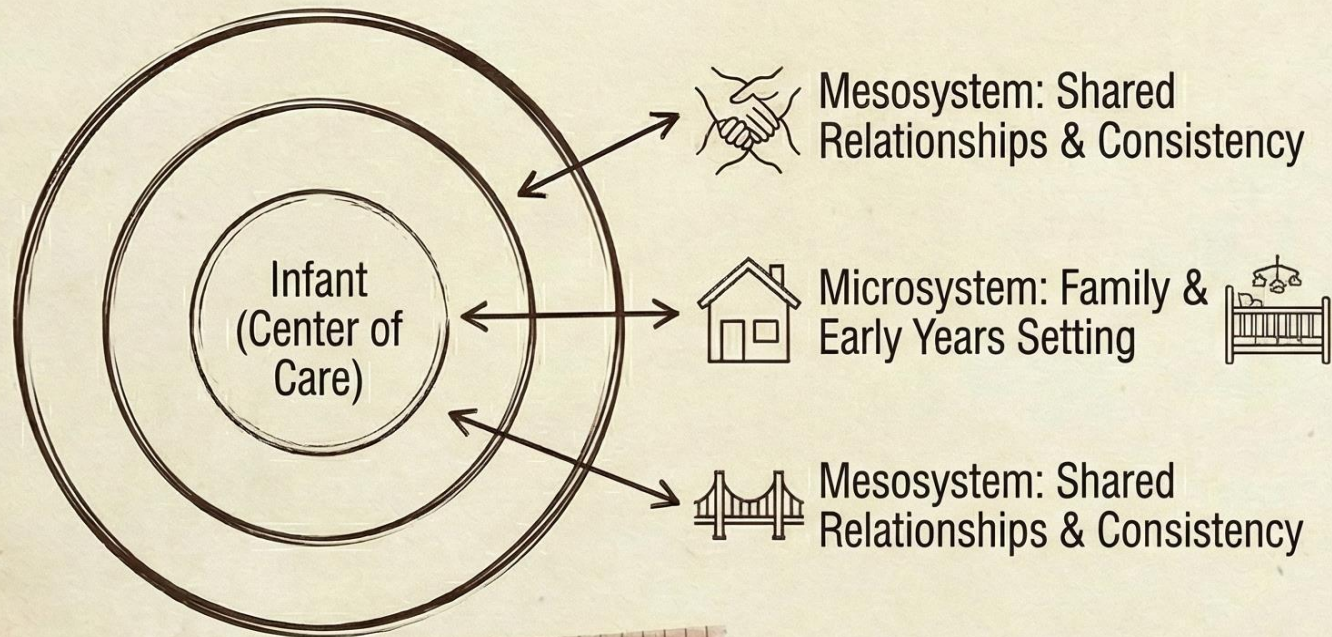
Inclusivity is a fundamental component of exceptional caregiving. Infants arrive in settings with diverse family backgrounds, cultural identities, developmental trajectories and care experiences. Inclusive practice involves adapting caregiving routines to reflect individual needs, cultural practices and family preferences, particularly around feeding, sleep and comfort (Knowles, 2018). This not only supports infants' emotional security but also affirms families' identities, strengthening trust and partnership. Gerhardt (2015) notes that when caregivers respond sensitively to infants' emotional expressions, they support the development of stress-regulation systems, which is especially important for infants experiencing vulnerability or early adversity.

Exceptional caregiving further requires practitioners to view everyday routines as meaningful learning opportunities. Feeding, for instance, supports not only physical growth but also communication, social connection and emerging independence. Allowing infants time to participate actively, such as holding utensils or signalling

readiness, supports autonomy and competence (Sagastui et al., 2021). Similarly, sleep routines that are predictable, gentle and responsive promote emotional safety and neurological regulation, reinforcing the importance of consistency and trust.

In summary, exceptional care in the first 1000 days is relational, inclusive and intentional. It is characterised by respectful interactions, enabling environments and a recognition of infants as active participants in their own development. By embedding care within meaningful relationships and responsive practice, early years practitioners play a crucial role in supporting infants' holistic development and long-term wellbeing.

Professional Partnerships



Maternal & Family Factors



Mental Health
Poverty/Stress
Vulnerability
Support Networks

Multi-Agency Collaboration



Professional partnerships are central to exceptional care in the first 1000 days. Practitioners build trusting relationships, support consistency through the mesosystem (Bronfenbrenner), and recognize maternal factors influencing development. Collaboration with health and specialist services ensures holistic, responsive care, drawing on international perspectives like Pikler and Nordic models to empower families and support infant wellbeing.

Health Visitors, Midwives, Therapists,
Community Support

Professional Partnerships

Professional partnerships are central to providing exceptional care during the first 1000 days, as infants' development is shaped not only by what happens within early years settings but also by the quality of relationships surrounding them. During this critical period, early years practitioners play a key role in working collaboratively with families and other professionals to support infants' wellbeing, development and rights. Effective partnership working recognises that no single practitioner or service can meet all of a child's needs in isolation, particularly during infancy when development is rapid and highly sensitive to environmental influences.

The role of the early years practitioner in supporting children and families begins with building trusting, respectful relationships. Practitioners often act as one of the first points of professional contact for families after birth, placing them in a unique position to observe infants' development and family wellbeing. Brodie (2018) highlights that warm, consistent relationships between practitioners and families help create a shared understanding of the child's needs, routines and emerging abilities. Through daily communication, practitioners can offer reassurance, guidance and continuity, which is particularly important for families navigating the emotional and physical demands of early parenthood.

Bronfenbrenner's ecological systems theory provides a useful framework for understanding the importance of partnership working in the first 1000 days. According to Bronfenbrenner, children's development is influenced by multiple interconnected systems, including the microsystem (family and early years settings), mesosystem (relationships between these settings), and wider societal influences (MacBlain, 2021). Effective partnership working strengthens the mesosystem by ensuring consistency between home and setting, which supports infants' emotional security and sense of predictability. When families and practitioners share information about routines, caregiving practices and cultural values, infants experience a more coherent and supportive developmental environment.

Maternal factors play a significant role in infants' development during the first 1000 days and must be carefully considered within professional partnerships. Research highlights that maternal mental health, including postnatal depression, anxiety and stress, can affect attachment, emotional availability and infants' stress regulation systems (Gerhardt, 2015). Additionally, factors such as poverty, social isolation, trauma, physical health challenges and lack of support networks can place strain on caregivers, potentially impacting infant wellbeing. Early years practitioners are not expected to resolve these challenges independently, but they do have a responsibility to recognise signs of vulnerability and respond appropriately.

Support for families may involve signposting to health visitors, midwives, mental health services or community support organisations. This multi-agency collaboration reflects a preventative approach, ensuring that families receive timely support before difficulties escalate. Ødegaard et al. (2019) emphasise that respectful, nonjudgemental communication is essential when discussing sensitive issues with families, as trust is key to effective partnership working. Practitioners who listen carefully, validate parental experiences and respect family autonomy contribute to stronger engagement and positive outcomes.

Professional partnerships also extend to collaboration with other early years professionals and specialists. For example, working alongside speech and language therapists, health visitors or inclusion teams allows practitioners to support infants with additional needs more effectively. Inclusive practice relies on shared knowledge, reflective

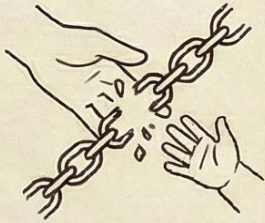
discussion and coordinated support plans that place the infant and family at the centre (Knowles, 2018). This collaborative approach ensures that care is responsive, holistic and tailored to individual circumstances.

International perspectives further highlight the value of strong professional partnerships. In countries influenced by the Pikler approach, such as Hungary, close collaboration between caregivers and families is seen as essential for supporting infants' autonomy, emotional security and continuity of care (González-Patiño, 2018). Similarly, Nordic early childhood systems emphasise parental partnership, wellbeing and shared responsibility for children's development, recognising families as equal contributors rather than passive recipients of professional expertise (Degeard et al., 2019). These approaches reinforce the idea that effective partnership working enhances both infant wellbeing and parental confidence.

In conclusion, professional partnerships are fundamental to supporting children and families during the first 1000 days. Early practitioners play a vital role in building trusting relationships, promoting consistency across environments and collaborating with families and professionals to address complex needs. By drawing on ecological theory, recognising maternal factors and engaging in inclusive, respectful practice, practitioners contribute to holistic, responsive care that supports infants' development and family wellbeing. Strong partnerships not only benefit the child in the present but also lay foundations for resilience, secure relationships and lifelong learning.

Challenges in Providing High-Quality Care

Relational Continuity



Staff Turnover,
Shift Patterns,
High Ratios,
Disrupted Attachments.

Time Constraints



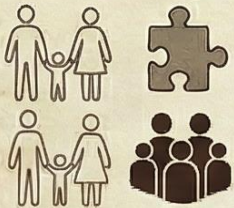
Routines vs. Admin
& Observations,
Reduced One-to-One
Interactions.

Emotional Labour



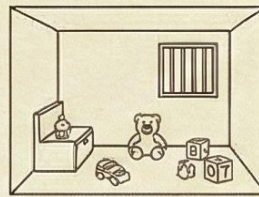
Responding to
Distress, Fatigue,
Burnout,
Need for Support.

Inclusivity & Diversity



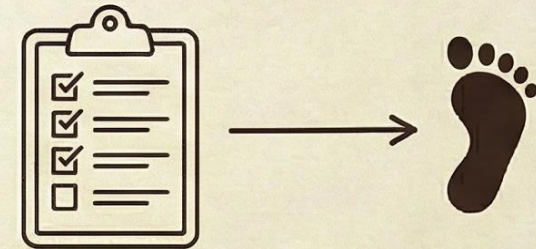
Cultural Understanding,
Additional Needs,
Specialist Support.

Environmental Constraints



Limited Space,
Resources, Budget
Pressures, Sensory
Deprivation.

Policy vs. Practice



Measurable Outcomes vs.
Child-Led Care,
Overly Structured Practices.

Challenges in infant care are relational, organizational, and emotional, including disrupted continuity, time pressures, emotional demands, and policy conflicts. Addressing these requires investment in practitioner wellbeing, reflective practice, inclusive environments, and strong professional partnerships.

Challenges in Providing High-Quality Care

Providing high-quality care for infants during the first 1000 days presents significant challenges, despite widespread recognition of the importance of this period for lifelong development. Infancy is characterised by rapid neurological, emotional and physical growth, meaning that care must be highly responsive, consistent and relational. However, structural, emotional and practical constraints within early years settings can make delivering exceptional care complex and demanding.

One key challenge is maintaining consistent, responsive relationships in group care environments. Infants rely heavily on stable attachments with familiar caregivers to feel safe and regulate their emotions (Gerhardt, 2015). High staff turnover, shift patterns and staffing ratios can disrupt continuity of care, making it difficult for infants to form secure relationships. Brodie (2018) highlights that while key person systems are designed to support attachment, they are often compromised by organisational pressures, limiting practitioners' ability to offer sustained emotional availability.

Another challenge relates to time constraints and competing demands. High-quality infant care requires slow, attentive interactions, particularly during routine caregiving moments such as feeding, changing and settling to sleep. However, practitioners are often required to balance caregiving with administrative responsibilities, observations and regulatory requirements. This can reduce opportunities for meaningful one-to-one interactions, despite research emphasising that these everyday moments are central to emotional security and learning (Sagastui, Herrán and Anguera, 2021).

Emotional labour also presents a significant challenge. Caring for infants involves responding sensitively to distress, uncertainty and dependency, which can be emotionally demanding over time. Without adequate support, supervision and reflective practice, practitioners may experience fatigue or burnout, which can impact the quality of interactions (Rose, 2016). High-quality care depends not only on practitioner knowledge but also on their emotional wellbeing, highlighting the need for supportive workplace cultures.

Inclusivity is another complex area of challenge. Infants come from diverse cultural, linguistic and socio-economic backgrounds, and practitioners must adapt care practices to reflect family values while maintaining safe, developmentally appropriate standards. Mukherji and Dryden (2014) note that a lack of cultural understanding or confidence can lead to misunderstandings or unintentional exclusion. Additionally, supporting infants with additional needs requires access to specialist knowledge and multi-agency collaboration, which is not always readily available.

Environmental constraints can also limit the quality of care. High-quality infant environments should allow space for movement, sensory exploration and quiet, restful experiences. However, limited resources, space restrictions and budget pressures can affect the availability of appropriate materials and outdoor opportunities. Gascoyne (2018) argues that sensory-rich environments are essential for infant learning but are often undervalued in favour of more formal learning resources.

Finally, balancing policy expectations with infant-led care can be challenging. While frameworks increasingly recognise the importance of wellbeing and relationships, there can still be pressure to demonstrate measurable outcomes, even during infancy. This can lead to overly structured practices that conflict with the need for responsive, child-led caregiving (MacBlain, 2021).

In conclusion, providing high-quality infant care is challenged by relational, organisational and emotional factors. Addressing these challenges requires investment in practitioner wellbeing, reflective practice, inclusive environments and strong professional partnerships. Recognising and responding to these challenges is essential for ensuring that infants receive the exceptional care needed during the first 1000 days.

Activities: Supporting Meaningful Learning in the First 1000 Days



Loose Parts Play (Froebel/Montessori)

Open-ended materials,
sensory exploration,
child-led discovery,
fostering autonomy.



Relational Learning (Pikler)

Responsive adult
presence, emotional
security, uninterrupted
focus, trust-building.

Forest School Approach
Nature-based, sensory integration,
outdoor freedom, physical
wellbeing, resilience.

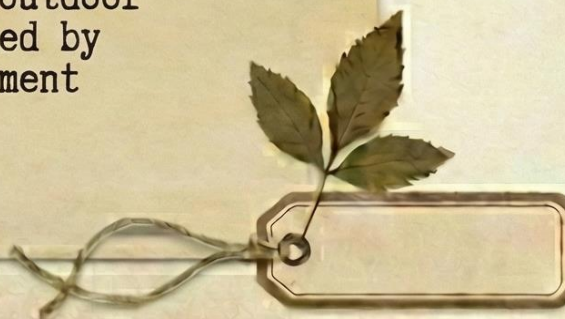


Reggio Emilia Approach



Environment as 'third teacher,'
aesthetic spaces, documented
interests, collaborative
meaning-making.

Meaningful infant learning is sensory, relational, and embodied. Activities like loose parts play, outdoor exploration, and sensory experiences, informed by diverse approaches, support holistic development when child-led and sensitively supported.



Activities: Supporting Meaningful Learning in the First 1000 Days

Activities for infants during the first 1000 days must be carefully considered, as learning at this stage is primarily sensory, relational and embodied. Rather than focusing on outcomes or formal instruction, high-quality infant activities emphasise exploration, movement, interaction and emotional connection. Theories from Montessori and Froebel, alongside international approaches such as Forest School and Reggio Emilia, provide valuable insight into how activities can support meaningful, holistic learning in infancy.

Loose parts play is particularly well suited to infant development. Loose parts refer to open-ended materials such as natural objects, fabric, wooden items and everyday household objects that can be manipulated in multiple ways. Froebel emphasised the importance of play materials that allow children to explore freely and construct understanding through hands-on experience. Similarly, Montessori viewed learning as arising from purposeful movement and sensory engagement, particularly during the early years when the brain is rapidly developing (MacBlain, 2021).

For infants, loose parts activities may include treasure baskets, heuristic play or simple sensory collections. These experiences support physical development through grasping, reaching and coordination, while also stimulating cognitive development as infants explore cause and effect, texture, sound and weight. Importantly, these activities promote meaningful learning because they are child-led and intrinsically motivating. Rather than being directed by adults, infants choose how to interact with materials, fostering autonomy and curiosity (Brodie, 2018).

Meaningful learning in infancy is also deeply relational. Adult presence during activities should be responsive rather than intrusive, allowing infants to explore while feeling emotionally secure. Sagastui, Herrán and Anguera (2021) highlight that sensitive adult intervention supports infants' exploration without interrupting their focus. This aligns with Pikler principles, where caregiving and play are seen as interconnected opportunities for learning and relationship-building.

Sensory activities further enhance meaningful learning by engaging infants' developing nervous systems. Activities involving water, natural textures, gentle sounds or movement allow infants to regulate emotions, develop body awareness and build neural connections. Gascoyne (2018) argues that sensory-rich experiences are essential in early learning, particularly during infancy when children learn primarily through their bodies rather than language.

Sensory experiences may also include shared stories, rhythmic songs and gentle music, which support language, emotional regulation and attachment through repetition and attuned interaction.

International approaches provide useful comparisons in how activities are conceptualised and implemented. Forest School, for example, prioritises outdoor, nature-based learning. Even for infants, time outdoors supports physical wellbeing, sensory integration and emotional regulation. Natural environments offer varied sensory input, space for movement and opportunities for calm observation. Research suggests that outdoor experiences support resilience and wellbeing from the earliest stages (Rose, 2016). Forest School aligns strongly with Froebelian principles, viewing nature as a vital context for learning and development.

In contrast, the Reggio Emilia approach places emphasis on the environment as the "third teacher." For infants, this means carefully curated spaces with natural light, mirrors, soft materials and open-ended resources that invite exploration. Reggio-inspired practice values observation and documentation, allowing practitioners to

respond to infants' interests rather than imposing predetermined activities. This approach supports meaningful learning by recognising infants as competent learners from birth (Ødegaard et al., 2019).

While Forest School prioritises outdoor freedom and physical engagement, Reggio Emilia focuses more on aesthetic environment and collaborative meaningmaking. Both approaches value child-led exploration and adult responsiveness, although they differ in context and emphasis. Montessori practice, meanwhile, offers structured environments designed to support independence and concentration, though critics argue that overly structured materials may limit creativity if not used flexibly with infants.

Across all approaches, the common principle is that activities should be responsive, inclusive and developmentally appropriate. Meaningful learning occurs when infants are emotionally secure, physically engaged and given time to explore at their own pace. Activities such as loose parts play, sensory exploration, music and outdoor experiences support holistic development by integrating physical, emotional and cognitive learning.

In conclusion, high-quality infant activities during the first 1000 days are not about teaching skills but about creating rich opportunities for exploration, connection and discovery. Loose parts play and sensory experiences, informed by Montessori and other theories and enriched by international approaches such as Forest School and Reggio Emilia, provide meaningful learning that respects infants' rights, rhythms and capabilities. When thoughtfully planned and sensitively supported, these activities lay strong foundations for lifelong learning and wellbeing.

Welsh Policy and Practice Context



Curriculum for Wales:
Wellbeing & Relationships



Partnership Working
(Flying Start & Healthy Child Wales)



Rights-Based Approach
(UNCRC)

Welsh policy prioritises wellbeing, secure relationships, and partnership working for the first 1000 days. Informed by the UNCRC and national initiatives, it mandates inclusive, respectful care to support infants' holistic development within family and setting contexts.

Welsh Policy and Practice Context

Early years practice in Wales is underpinned by a strong policy commitment to wellbeing, inclusion and relational care during the first 1,000 days. The Curriculum for Wales places wellbeing and secure relationships at the centre of learning, recognising that infants must feel safe, respected and emotionally secure in order to engage meaningfully with their environment (Welsh Government, 2022). National initiatives such as *Family Start* and the *Healthy Child Wales Programme* emphasise partnership working between early years practitioners, health professionals and families to support holistic development and reduce inequalities (Welsh Government, 2021). This policy context aligns with a rights-based approach informed by the United Nations Convention on the Rights of the Child, reinforcing practitioners' responsibility to provide inclusive, respectful and responsive care that supports infants' physical, emotional and social development within both family and setting contexts (Welsh Government, 2011).

Reference list

- Brodie, K. (2018) *The holistic care and development of children from birth to three: An essential guide for students and practitioners*. East Sussex: Routledge.
- Bronfenbrenner U. (1979) *The ecology of human development: Experiments by nature and design*. Cambridge, MA: Harvard University Press.
- Elin Eriksen Ødegaard, N., Rutanen, N., Sumsion, J., Mika, C., White, E.J. and Gradovski, M. (eds.) (2019) *The first 1000 days of early childhood: Becoming*. Singapore: Springer.
<https://doi.org/10.1007/978981-32-9656-5>
- Gerhardt, S. (2015) *Why love matters: How affection shapes a baby's brain*. 2nd edn. East Sussex: Routledge.
- González-Patiño, J. (2018) 'Learn, teach and share: Participation in expanded educational communities' *Digital Education Review* (33), pp. 203–216.
<https://doi.org/10.1344/der.2018.33.203216>
- Karakochuk, C.D., Whitfield, K.C., Green, T.J. and Kraemer, K. (2018) *The biology of the first 1,000 days*. Boca Raton, FL: Taylor & Francis.
<https://doi.org/10.1201/9781315152950>
- MacBlain, S. (2021) *Children's learning in early childhood: Learning theories in practice (0 years)*. London: SAGE Publications.
- Sagastui, J., Herrán, E. and Anguera, M.T. (2021) 'Adult intervention levels in young children's free play' *European Journal of Psychology of Education* 37(3), pp. 707–728.
<https://doi.org/10.1007/s10212-021-00560-2>
- Rose, J. (2016) *Health and well-being in early childhood*. London: SAGE Publications.
- Smith, R. (2020) 'Kinaesthesia and a feeling for relations' *Review of General Psychology* 24(4), pp. 355–368. <https://doi.org/10.1177/1089268020930193>
- Vamos, J. (2015) 'Free to move, free to be' *The American Journal of Psychoanalysis* 75(1), pp. 65–75. <https://doi.org/10.1057/ajp.2014.60>
- Welsh Government (2022) *Curriculum for Wales: Framework guidance*. Cardiff: Welsh Government.
- Welsh Government (2023) *Early Childhood Play, Learning and Care (ECPLC)*. Cardiff: Welsh Government.