

ASSIGNMENT #2

Hiu Ming Hayley, Wong

Humber College

ECE 114 Child Development: Prenatal to 2 1/2 Years

Lina Scaccia

June 21, 2023

I have maintained Academic Integrity in my work by adhering to the values of honesty and integrity. I declare that this work respects APA requirements as well as policies within the Faculty of Health Sciences & Wellness.

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Exploring Developmental Path Of Rural And Urban Infants

2a. Principle of Development #1 Development proceeds from top down (cephalocaudal trend) (Scaccia, 2023)

Domain of Development: Bio-social Domain (Scaccia, 2023)

2b & 2c for Rural Infant: Panijao

Example from movie: Panijao was crawling with her hands and knees on the sandy ground.

Links to Developmental Area: Physical

Example relates to the following skill: “5.1 Gross Motor – crawling” (ELECT, 2014, p.24)

2b & 2c for Urban Infant: Hattie

Example from movie: An adult gave Hattie a banana to try. She took a bite first, then spit it out to see what it was, and then put it back into her mouth to chew.

Links to Developmental Area: Physical

Example relates to the following skill: “5.3 The senses – taste exploration” (ELECT, 2014, p.28)

2a. Principle of Development #2 Simple to complex ways of thinking (Scaccia, 2023)

Domain of Development: Cognitive Domain (Scaccia, 2023)

2b & 2c for Rural Infant: Panijao

Example from movie: An adult was shaving Panijao’s hair with a knife directly and she started to cry.

Links to Developmental Area: Communication, language and literacy

Example relates to the following skill: “3.3 Expressive Language Skills – signaling” (ELECT, 2014, p.21)

2b & 2c for Urban Infant: Hattie

Example from movie: Hattie's mother was reading a story to her. They looked at the book together.

Links to Developmental Area: Communication, language and literacy

Example relates to the following skill: “3.1 Non-verbal Communication Skills – joint attention” (ELECT, 2014, p.20)

2a. Principle of Development #3 Brain maturation and learning (Scaccia, 2023)

Domain of Development: Psychosocial Domain (Scaccia, 2023)

2b & 2c for Rural Infant: Panijao

Example from movie: Panijao started to cry, and her mother immediately breastfed her to stop the crying.

Links to Developmental Area: Emotional

Example relates to the following skill: “2.2 Self-Regulation – emotion regulation” (ELECT, 2014, p.19)

2b & 2c for **Urban Infant**: Hattie

Example from movie: Hattie first resisted when her mother attempted to cuddle her. Despite her mother's persistence, Hattie hit her mother's face to reject her finally.

Links to Developmental Area: Emotional

Example relates to the following skill: “2.1 Expression of Emotion” (ELECT, 2014, p.19)

2a. Principle of Development #4 A continuous process (Scaccia, 2023)

Domain of Development: Psychosocial Domain (Scaccia, 2023)

2b & 2c for **Rural Infant**: Panijao

Example from movie: An adult sang and clapped their hands while Panijao responded by dancing after each clap.

Links to Developmental Area: Social

Example relates to the following skill: “1.3 Simple Turn Taking” (ELECT, 2014, p.18)

2b & 2c for **Urban Infant**: Hattie

Example from movie: During the baby yoga class, Hattie imitated the movements being taught.

Links to Developmental Area: Social

Example relates to the following skill: “1.2 Imitation” (ELECT, 2014, p.18)

The Influence of Genetics and Environment on Child Development

Genetics and heredity, inherent factors influenced by an individual's biological makeup, play a crucial role in child development.

Panijao's ability to adapt and cope with the harsh living conditions in her rural environment may be influenced by genetics and heredity. A stronger immune system, high pain tolerance, and effective temperature regulation may contribute to her physical resilience. As Boyd et al. (2021, Ch. 2.1, p.5) explained, the child inherits his genes from his parents, who also create the environment in which he is growing up. This could explain why Panijao and her family seem unafraid of potential injuries or discomfort while being shirtless and barefoot.

Hattie's blue eyes were a result of genetic and hereditary factors. Eye colour is primarily determined by the genetic information from parents to their children. The specific combination of

genes inherited from Hattie's biological parents likely included variations associated with blue eye colour. This inheritance can be traced back through her family lineage, as certain eye colour traits are known to be hereditary. According to Boyd et al. (2021, Ch. 2.1, p.5), eye colour is another polygenic trait with a dominant-recessive pattern (Liu et al., 2010). Therefore, if Hattie's parents or grandparents also had blue eyes or carried the genetic variations for blue eyes, it increases the likelihood of her inheriting blue eye colour.

The environment, or "nurture", plays a significant role in the overall development of each infant.

In Panijao's rural Namibian community, supportive and stimulating environments were created by caregivers and adults who contributed to her growth and development despite limited resources and challenging living conditions. Boyd et al. (2021, Ch. 2.3, p.19) have noted that when a child's mother or father is present so often when nice things happen, such as when the child feels warm, comfortable, and cuddled, the mother and father usually serve as conditioned stimuli for pleasant feelings, a fact that makes it possible for the parents' presence to comfort a child. Panijao's mother quickly responded to her cries in the movie by breastfeeding her, promoting emotional development and fostering a secure attachment bond.

Hattie lived in an American urban environment where adults, parents, and caregivers provided her with a stimulating and enriching learning experience. Through educational activities such as yoga lessons and exposure to new experiences, Hattie's caregivers were able to shape her development. The English philosopher John Locke claimed that the mind of a child is a blank slate. As such, the blank slate view suggests that adults can mould children into whatever they want them to be (Boyd et al., 2021, Ch. 1.1, p.2). Hattie's parents encouraged her curiosity by reading,

asking her questions, and providing age-appropriate toys. These interactions promoted cognitive and language development, as well as social-emotional growth.

Child Development: Insights from "Babies" Documentary and Academic Integrity

After watching the documentary film "Babies" and completing this assignment, I gained valuable insights into child development and the various factors that influence their growth. The movie moved me to tears in some scenes as I witnessed the incredible potential of infants. Their innate curiosity and adaptability are essential to their progress regardless of upbringing or cultural background. Finally, I was deeply touched by the unwavering devotion of the mothers in the film, who provided their children with the best possible care and resources.

To maintain academic integrity, I accurately represented the information presented in the "Babies" movie, and I aligned it with the relevant developmental areas and skills outlined in OMEd, 2014 (Excerpts from the "ELECT" document). The examples and links to specific skills are drawn from the information provided, and I have appropriately referenced the source (OMEd, 2014) to acknowledge the origin of the developmental areas and skills mentioned. Furthermore, when discussing genetics and heredity, I drew on general knowledge of how genetic factors contribute to physical traits such as resilience and eye colour. I have supported the understanding of genetic inheritance and eye colour traits by referencing Boyd et al. (2021).

By maintaining accuracy, properly referencing sources, and ensuring that the information provided aligns with the information, I have upheld academic integrity in this work.

Self-Grading

Prompt	Quality of Responses	Self-grade
#1	3	3
#2a-2c	15	13
#3a	5	4
#3b	5	4
#4	2	2
Spelling and Grammar	3	3
APA Format	4	4
Total	37	33

References

Boyd, D., Johnson, P., & Bee, H. (2021). *REVEL: Lifespan development. (7th Canadian ed.)*

Boston: Pearson. On REVEL online platform.

Scaccia, L. (2023 May). *ECE 114 Learning Materials Module 1: Domains of development.*

Blackboard. https://learn.humber.ca/ultra/courses/_227807_1/outline/file/_16282183_1

Scaccia, L. (2023, May 9). *ECE 114 PowerPoint: Introduction to Course.* Blackboard.

https://learn.humber.ca/ultra/courses/_227807_1/outline/file/_16304506_1

Ontario Ministry of Education (2014). *Excerpts from “ELECT”.* Toronto: Queen’s Printer for

Canada. [NOTE: Original publication prepared by the Best Start Expert Panel, 2007].

Balmès, T. (2010, April 14). *BABIES.* Studio Canal.

<https://woodlugges.monster/movies/play/babies->

2010?mid=17&sid=&sec=cb22ed780b70a9838da5892897bc7f737b682f84&t=16866765