

# Effects of Cinenurducation Based on Kolb's Experiential Learning Theory Model for Understanding Child Growth and Development

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## BACKGROUND & PURPOSE

- Kolb (1984)'s Experiential Learning Theory Model [Kolb's ELT Model] sets out four distinct Learning styles since it offers both a way to understand individual people's different learning styles including diverging, assimilating, converging, and accommodating. Kolb's ELT Model can explain cycle of experiential learning including concrete experience [CO], reflective observation [RO], abstract conceptualization [AC], and active experiment [AE].
- Cinenurducation is a new word made by first author, it means the use of films (cinema) in nursing education (Oh, Kang, & De Gagne, 2012).
- The Purpose of this presentation is to develop and evaluate effects of a cinenurducation based on Kolb's ELT Model for first-year nursing students in a private research university located in Busan.

## METHODS & CLASS DESIGN

- Case study for 82 nursing freshmen participated in human growth and development course. Each class, participants watched film (CE), participated in think pair share (RO), synthesized from educator's lecture (AC), and wrote a composition (AE) based on Kolb's four learning stages. After classes, 74 participants (90.2%) filled out a questionnaire to analyze satisfaction of cinenurducation according to students' learning style and learning content, and open-ended survey to find merits and demerits of cinenurducation.

|   |  |   |  |  |
|---|--|---|--|--|
| <br><b>Look Who's Talking (1989)</b><br><b>For Infant</b><br>•Fetal development & birth<br>•Motor development<br>•Weaning food<br>•Displeased with strangers<br>•Separation anxiety | <br><b>Look Who's Talking Too (1990)</b><br><b>For Toddler</b><br>•Motor development<br>•Cognitive development<br>•Toilet training<br>•Sex education | <br><b>Ponette (1996)</b><br><b>For Preschooler</b><br>•Motor development<br>•Thumb sucking<br>•Language<br>•Ritualism<br>•Sleep disorder | <br><b>Children of Haven (1997)</b><br><b>For Schooler</b><br>•Peer relationship<br>•School life<br>•Industry<br>•Family affection | <br><b>Dead Poets Society (1989)</b><br><b>For Adolescence</b><br>•Secondary sex character<br>•Self identity establishment<br>•Social life |
|---|--|---|--|--|

Table 1. Used film and learning theme for understanding child growth and development

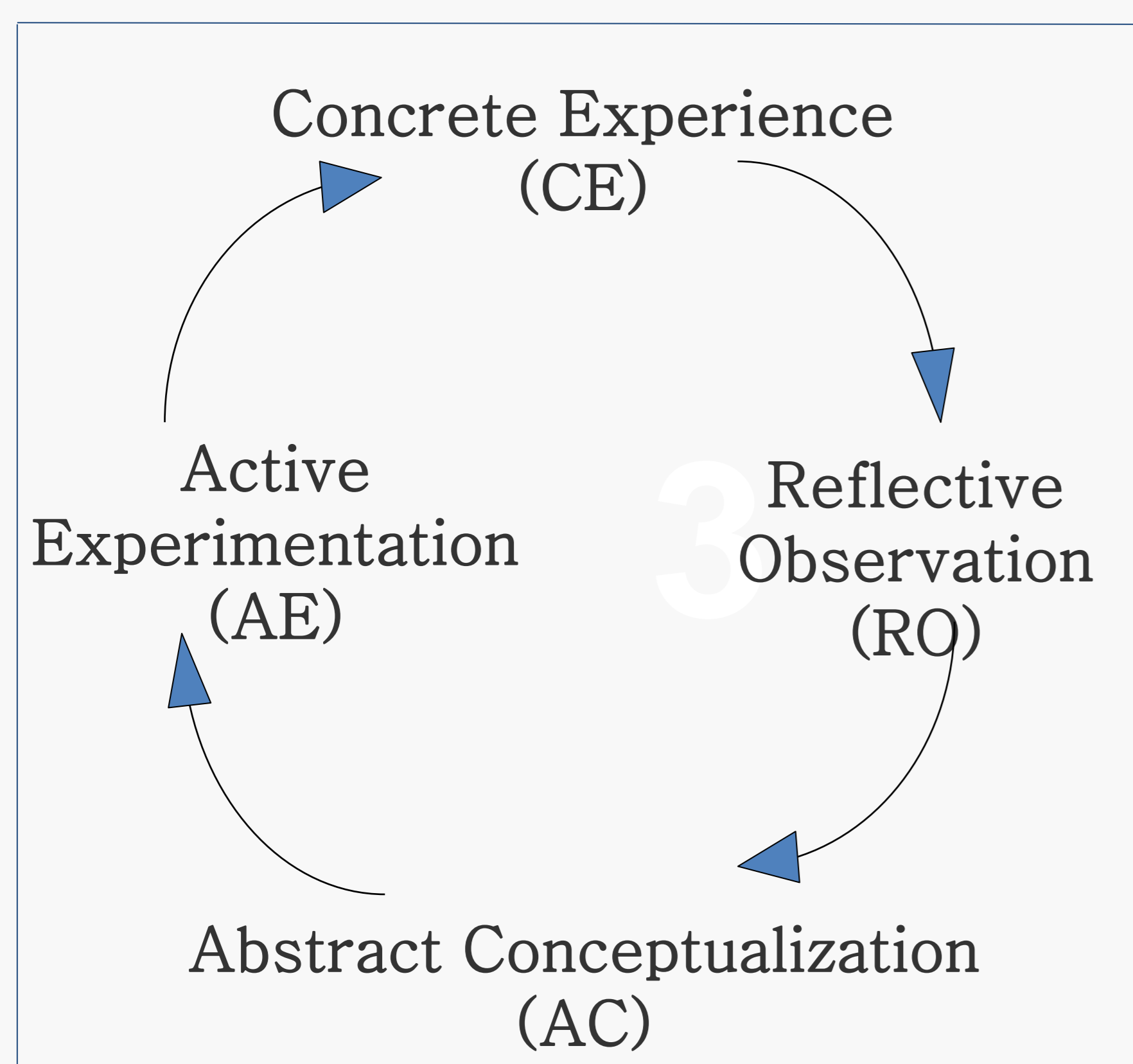


Figure 1. Kolb's experiential learning

| Week | Theme             | Strategies (run-time)  | Place  |
|------|-------------------|--|--|
| 1    | Orientation       | <ul style="list-style-type: none"> <li>• Give orientation of cinenurducation (20min)</li> <li>• Introduction theory of growth and development (80min)</li> </ul>   | Classroom  |
| 2    | Infant stage      | *Each process per class<br><b>CE</b> Watch film via desktop or mobile (about 100min)<br>Feel on scenes of the film (personal time)<br><b>RO</b> Pause for reflect from the film content (10min)<br>Think pair share in class (40min)<br><b>AC</b> Synthesize and conceptualize from lecture (30min)<br>Search evidence on references (20min)<br><b>AE</b> Self-summarize contents of learning (personal time)<br>Write composition (personal time) | Multimedia seminar room  |
| 3    | Toddler stage     |  | Classroom  |
| 4    | Preschooler stage |  |  |
| 5    | School-age stage  |  | Home   |
| 6    | Adolescent stage  |  |  |
| 7    | Wrap-up           |  | <ul style="list-style-type: none"> <li>• Summarize key points of growth and development (60min)</li> <li>• Fill-out questionnaire (20min)</li> <li>• Give wrap-up message (20min)</li> </ul> |

Figure 2. Process of cinenurducation for understanding of child growth and development

## RESULTS

- This study showed high satisfaction of cinenurducation regardless of learning type ( $F=0.17, p=.913$ ) including diverger, accommodator, converger, and assimilator, and content concerning child growth and development ( $F=.1.24, p=.302$ ) including infant, toddler, preschooler, schooler, and adolescent stage.
- Advantages of cinenurducation
  - fun and interesting,
  - helpful to understand the characteristics of children develop
  - critical thinking through discussions
- Disadvantages of cinenurducation
  - long time needed
  - burdensome



## CONCLUSION

- Films are advantageous in that they provide indirect experience for nursing students.
- Indirect experience and self-examination through cinenurducation can improve problem-solving ability for nursing students.
- Selection of appropriate films and evaluation of learning goal achievements are important to maximize the effectiveness of cinenurducation
- We would like to suggest a more careful approach including faculties and curriculum developments for the use of movies

## CORRESPOND

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