This version of the article has been accepted for publication, after peer review (when applicable) and is subject to Springer Nature's AM terms of use, but is not the Version of Record and does not reflect post-acceptance improvements, or any corrections. The Version of Record is available online at: https://doi.org/10.1007/s10212-021-00560-2

Table 1 "Accompanying free play in Emmi Pikler Nursery School" field format. Instrumental dimension

| Participants - Adults |  | Participants - Children |  | Instrumental action |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| H1 - Educator* | H2-Other adults* | H3 - Child(ren) in the foreground* | H4 - Child(ren) in the background* | A1-Space | A2 - Instrumental action | A3-Materials/toys | A4-Recipients |
| H11 Educator 1 H12 Educator 2 | H20 None <br> H21 Educator 3 <br> H22 Educator 4 <br> H23 Educator 5 <br> H24 Educator 6 <br> H25 Pedagogue 1 <br> H26 Pedagogue 2 <br> H27 Pediatrician <br> H28 Mother <br> H29 Father <br> H30 Both parents <br> H31 Other adults <br> H32 Two adults <br> H33 More than two <br> H34 Secondary adults | H300 None <br> H301 Child 1A <br> H302 Child 1B <br> H303 Child 1C <br> H304 Child 1D <br> H305 Child 1E <br> H306 Child 1F <br> H307 Child 1G <br> H308 Child 1H <br> H309 Child 1I <br> H310 Child 1J <br> H311 Child 1K <br> H312 Child 1L <br> H313 Child 2A <br> H314 Child 2B <br> H315 Child 2C <br> H316 Child 2D <br> H317 Child 2E <br> H318 Child 2F <br> H319 Child 2G <br> H320 Child 2H <br> H321 Child 2I <br> H322 Child 2J <br> H323 Two children <br> H324 Three children <br> H325 More than three <br> H326 Unable to see <br> H327 Unknown | H400 None <br> H401 Child 1A <br> H402 Child 1B <br> H403 Child 1C <br> H404 Child 1D <br> H405 Child 1E <br> H406 Child 1F <br> H407 Child 1G <br> H408 Child 1H <br> H409 Child 1I <br> H410 Child 1J <br> H411 Child 1K <br> H412 Child 1L <br> H413 Child 2A <br> H414 Child 2B <br> H415 Child 2C <br> H416 Child 2D <br> H417 Child 2E <br> H418 Child 2F <br> H419 Child 2G <br> H420 Child 2H <br> H421 Child 2I <br> H422 Child 2J <br> H423 Two children H424 Three children H425 More than three H426 Unable to see H427 Unknown | A101 Handrail <br> A102 Play area 1 <br> A103 Play area 2 <br> A104 Pikler maze <br> A105 Big basket <br> A106 Crib 3 <br> A107 Cupboard <br> A108 Shelf 1 <br> A109 Shelf 2 <br> A110 Crib 1 <br> A111 Crib 2 <br> A112 Lóczy crib 1 <br> A113 Lóczy crib 2 <br> A114 Dining area <br> A115 Entrance <br> A116 Handrail/shelf <br> A117 Hygiene area <br> A118 Window <br> A119 Notebook counter | A200 None <br> A201 Opens/closes <br> A202 Passes from top <br> A203 Picks up <br> A204 Tidies up <br> A205 Transports <br> A206 Tidies up spaces <br> A207 Dresses dolls <br> A208 Offers materials <br> A209 Looks for (materials) <br> A210 Gives to a child <br> A211 Distributes to children <br> A212 Accompanies complex act. <br> A213 Throws away <br> A214 Folds (e.g. blanket) <br> A215 Moves/Drags <br> A216 Other <br> A217 Accepts toy from child <br> A218 Holds | A300 None <br> A301 Clothes <br> A302 Pieces <br> A303 Dolls <br> A304 Cuddly toys <br> A305 Puzzles (complex material) <br> A306 Books (complex material) <br> A307 Carpentry material <br> A308 Wallets <br> A309 Wool/Cloth bags <br> A310 Backpacks <br> A311 Coffee set <br> A312 Bottles <br> A313 Cutlery/Plates <br> A314 Animal miniatures <br> A315 Human miniatures <br> A316 Furniture miniatures <br> A317 Cushions <br> A318 Balls/Balloons <br> A319 Cars/Trucks <br> A320 Trains <br> A321 Telephones <br> A322 Kitchen set (plastic) <br> A323 Various <br> A324 Recipients <br> A325 Kleenex <br> A326 Blankets <br> A327 Benches/Chairs/Hassocks <br> A328 Other <br> A329 Car track <br> A330 Teacher stuff <br> A331 Cups <br> A332 Wicker baby carriage <br> A333 Hula hoops <br> A334 Child's construction <br> A335 Brush | A400 None <br> A401 Bucket <br> A402 Washbowl <br> A403 Bowl <br> A404 Large basket <br> A405 Box <br> A406 Low basket <br> A407 Tray <br> A408 Other <br> A409 Various |

*Professionals' and children's names have been removed to protect their privacy

Table 2 "Accompanying free play in Emmi Pikler Nursery School" field format. Relational dimension

| VERBAL | PARAVERBAL | PROXEMIC BEHAVIOUR |  |  | KINETIC BEHAVIOUR |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| VERBAL BEHAVIOUR | PARAVERBAL BEHAVIOR Pitch | STATIC <br> ALONE <br> No movement | STATIC - <br> WITH CHILD <br> No movement <br> \& punctual contact | MOVEMENT Centre of gravity displacement | VISUAL GESTURES | FACE GESTURES | HAND GESTURES Contact | EMBLEMS Substitute words literally | ILLUSTRATORS <br> Body reinforcement | REGULATORS Turn |
| P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
| $\begin{gathered} \text { P100 } \\ \text { No talking } \\ \hline \end{gathered}$ | $\begin{aligned} & \hline \text { P200 } \\ & \text { None } \\ & \hline \end{aligned}$ |  | P400 None | P500 None | P600 Unable to see | P700 Unable to see | P800 <br> None | $\begin{gathered} \text { P900 } \\ \text { No emblem } \end{gathered}$ | P1000 No illustrator | $\mathbf{P 1 1 0 0}$ No regulator |
| $\begin{gathered} \text { P101 } \\ \text { Asks } \end{gathered}$ | $\begin{gathered} \text { P201 } \\ \text { Regular pitch } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { P301 } \\ \text { Stands } \end{gathered}$ | $\begin{gathered} \mathbf{P 4 0 1} \\ \text { Lifts child } \\ \hline \end{gathered}$ | $\begin{gathered} \text { P501 } \\ \text { Draws close } \\ \hline \end{gathered}$ | $\begin{gathered} \text { P601 } \\ \text { Face to face (close) } \end{gathered}$ | P701 Usual | $\begin{gathered} \text { P801 } \\ \text { Strokes } \end{gathered}$ | $\begin{gathered} \text { P901 } \\ \text { Points/shows } \\ \hline \end{gathered}$ | $\begin{gathered} \text { P1001 } \\ \text { Nods } \end{gathered}$ | P1101 Marks beginning |
| $\begin{gathered} \text { P102 } \\ \text { Answers } \end{gathered}$ | P202 <br> Energetic pitch | P302 <br> Leans | P402 <br> Child is on her lap | $\begin{aligned} & \text { P502 } \\ & \text { Goes away } \end{aligned}$ | P602 <br> Face to face (distant) | $\begin{aligned} & \text { P702 } \\ & \text { Surprise } \end{aligned}$ | P802 <br> Places hand | P902 Opens hand to ask for | P1002 Shakes her head "no" | P1102 <br> Her action is ahead child's next |
| $\begin{gathered} \text { P103 } \\ \text { Talks/Argues } \end{gathered}$ | P203 <br> Happy pitch | P303 <br> Bends | P403Child is between <br> her legs | P503 <br> Follows child | P603 <br> $\begin{array}{c}\text { Looks at child from } \\ \text { distance }\end{array}$ | P703 <br> Serious | P803 <br> Adjusts | P903 Informs about turn | P1003 <br> Tilts her head | $\begin{gathered} \mathrm{P} 1103 \\ \text { Makes child do } \end{gathered}$ |
| P104 <br> Describes/Informs | P204 <br> Affective/Intimate | P304 <br> Squats | P404 <br> Her arm is around the child | P504 <br> Move child on her arms | P604 <br> Watches her action | P704 <br> Smiles | P804 <br> Examines | P904 <br> Announces her departure | $\begin{gathered} \text { P1004 } \\ \text { Arms } \\ \text { crossed/centripetal } \end{gathered}$ | P1104 <br> Lets child do and continues her action |
| P105 Suggests/ Announces | $\begin{gathered} \text { P205 } \\ \text { Low pitch } \end{gathered}$ | $\begin{gathered} \text { P305 } \\ \text { Sits } \end{gathered}$ | P405 <br> Leaves child on the floor | P505 They walk giving hands | P605 <br> Child and teacher direct gaze at same direction | P705 <br> Laughs | P805 Offers both hands | $\begin{gathered} \text { P905 } \\ \text { "I see that" } \end{gathered}$ | P1005 Arms open/centrifugal | P1105 <br> Lets child do and stops her action |
| $\begin{gathered} \text { P106 } \\ \text { Confirms } \end{gathered}$ | $\begin{gathered} \text { P206 } \\ \text { Surprise } \end{gathered}$ | P306 <br> Kneels | P406 Goes around child to maneuver | P506 <br> Walks parallel to <br> child | P606 <br> Looks at target |  | $\begin{gathered} \hline \text { P806 } \\ \text { Lets child's } \\ \text { clothes loose } \\ \hline \end{gathered}$ | P906 <br> Strokes/looks after toy | P1006 <br> Changes gaze to another target | P1106 <br> Follows child's action |
| P107 <br> Denies |  | P307 Sits while <br> kneeling | $\begin{aligned} & \text { P407 } \\ & \text { Hugs } \end{aligned}$ | P507 <br> Child follows her | P607 <br> Panoramic view |  | P807Places hands to <br> take distance | P907 <br> Strategic position | P1007 <br> Focused gaze | P1107 <br> Marks ending |
| P108 <br> Shows gratitude |  |  | P408 <br> Next to child | P508 <br> Moves on her own | P608 <br> Looks at adult |  | P808 Holds | P908 <br> Waits, gives time | P1008 Mediates with arm (conflict) | P1108 Accepts child's "no" |
| $\begin{gathered} \text { P109 } \\ \text { Names/Calls } \\ \hline \end{gathered}$ |  |  | $\begin{gathered} \text { P409 } \\ \text { In front of child } \\ \hline \end{gathered}$ |  | P609 Looks around |  |  | P909 Verifies, does it again |  | $\begin{gathered} \mathbf{P 1 1 0 9} \\ \text { Last touch } \\ \hline \end{gathered}$ |
| P110 <br> Repeats what the child <br> is saying <br> Prent |  |  | P410 <br> Gives her hand to <br> child |  |  |  |  | P910 Overtakes hand (secures) |  |  |
| P111 Child's echo |  |  |  |  |  |  |  | P911 Asks by lifting head |  |  |
|  |  |  |  |  |  |  |  | P912 Asks by opening hands |  |  |
|  |  |  |  |  |  |  |  | P913 Raises hand (says hi) |  |  |

