

Supplementary Materials

Figure S1

Photographs of the SMARTER device



Note. On the left, a single device with plywood tiles representing numbers and mathematical operations; on the right, two SMARTER devices connected to realize a large working surface (from Andrao et al. 2022).

Figure S2

Schematic representation of the SMARTER components

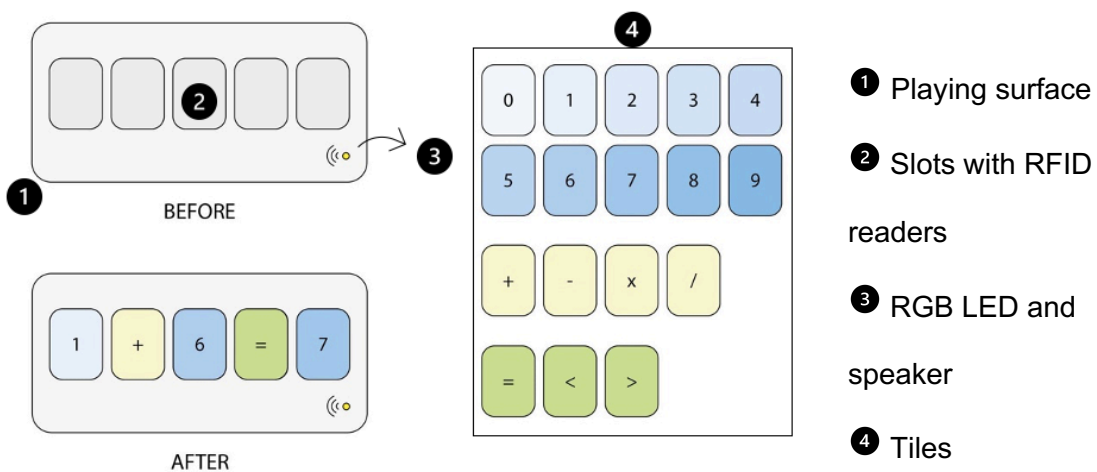


Figure S3
 Photographs depicting the experimental setting



Table S1
 Film clips shown for the elicitation of positive and neutral emotions during the testing phase

Valence	Video	Year	Extract	Start	End
Positive	<i>The Jungle Book</i>	1967	Song “The bare Necessities”	25:21	28:21
	(Von Leupoldt et al., 2007)				
	<i>101 Dalmatians</i>	1961	Birth of the puppies	15:20	18:20
	(Essex et al., 2003)				
Neutral	<i>The Last Unicorn</i>	1982	Theme Song: unicorn and nature	0:00	3:00
	(de Freitas Brandão et al., 2016)				
	<i>The Snowman</i>	1982	Theme song: children, winter and the snowman	0:00	3:00
	(Talge et al., 2008)				

Note. An additional film was shown to all children at the end of the experimental session in order to conclude the experiment with a positive emotional state. The film was Robin Hood (1971; start 50:55, end 53:55).