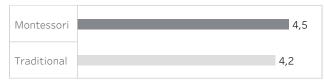
$\square$  Montessori children outperformed traditional schoolchildren in language, math, well-being, working memory, convergent, and divergent creativity tasks at both kindergarten and elementary age levels.

### Well-being level



☐ Montessori education emphasizes the importance of nurturing creative execution abilities alongside traditional academic skills.

# **Comparison of Montessori and Traditional Mean Scores by Preschool Age Metrics**

		tivity ool Age		ge Skills ool Age		Skills ool Age	Memory Preschool Age		
80 60 40	84,80	79,50	75,20	70,10	79,60	75,20	66,20	62,80	
20-	Montessori	Traditional	Montessori	Traditional	Montessori	Traditional	Montessori	Traditional	

# **Comparison of Montessori and Traditional Mean Scores by School Age Metrics**

		tivity ol Age		ge Skills ol Age		Skills ol Age	Memory School Age		
50	90,10	90,10 82,60		75,50	85,10 78,60		71,60	65,60	
	Montessori	Traditional	Montessori	Traditional	Montessori	Traditional	Montessori	Traditional	



Controlled observational study Montessori vs. Traditional schoolchildren

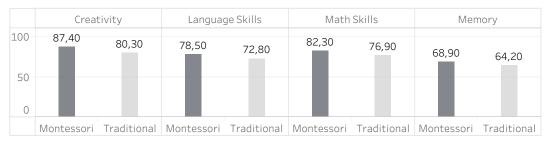
Total Participants: 201 children (96 girls and 105 boys)

Age Range: 4.37 to 13.40 years old

School Systems: Montessori (n=99) and Traditional (n=102) **Distribution**: Divided into kindergarten and elementary age g.

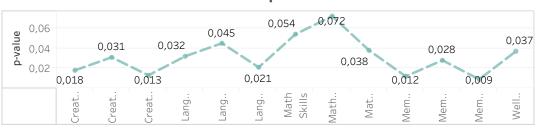
☐ Creativity skills significantly mediated the relationship between school system (Montessori vs. Traditional) and academic outcomes, suggesting a partial mediation effect.

## **Comparison of Montessori and Traditional Mean Scores by Metrics**



☐ Montessori education fosters a more balanced global development, promoting academic success beyond traditional measures of executive functions.

#### Table of p-values



#### Table of Cohen's d Values

0,8 0,6 0,4 0,2	0,92	0,83	0,82	0,76	0,71	0,71	0,68	0,67	0,64	0,59	0,56	0,48	0,41
	Мет	Creat	Mem	Creat	Мет	Lang	Creat	Lang	Well	Lang	Mat	Math Skills	Math