

Introduction

- Available evidence indicates that almost 2 million American children receive schooling outside of the public school system. This number has almost doubled since 2003 suggesting an increasing trend in homeschool education. (Brewer, Kabiri, Mitchell, & Ortiz, 2018).
- Learning of fundamental movement skills is an important part of physical education program for homeschool students.

Purpose

- The current study was designed to determine the relationship between ball skill performance quality and ball skill performance outcome among homeschool students.

Methods

Participants:
- A total of 49 students (32 boys and 17 girls) from Springfield College Homeschool Program ages 5-11 were included in the current study.

Testing Instruments:

- 9 hotspots and 2 soccer balls used in the current study.

Procedures:

- The experiment was conducted in the Springfield College Field House.
- Each participant performed 3 trials of kicking and catching.
- The best performance of the 3 trials was used for data.
- Skill performance quality was evaluated and recorded using the TGMD-3 rubric.
- Skill performance outcome was evaluated and recorded using ball skill performance accuracy scores.

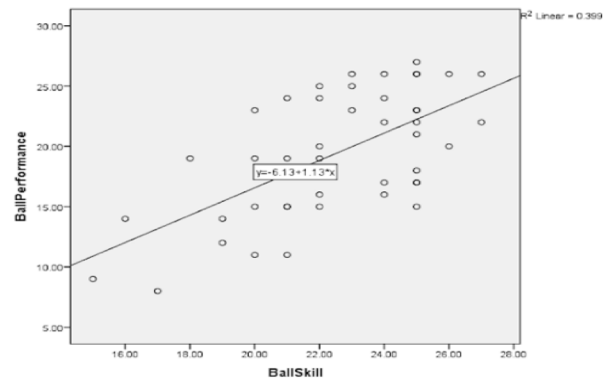
Data Analysis

- Correlation coefficient was computed with SPSS version 24.

Results

- The results of the study revealed a significant correlation between ball skill performance quality and ball performance outcome scores among the participants, $r=.631, p=.0001$.

Graph



Correlations

		BallSkill	BallPerformance
BallSkill	Pearson Correlation	1	.631**
	Sig. (2-tailed)		.000
	N	49	44
BallPerformance	Pearson Correlation	.631**	1
	Sig. (2-tailed)	.000	
	N	44	44

** . Correlation is significant at the 0.01 level (2-tailed).

Discussion and Conclusions

- The results of the current study indicate that ball skill performance outcome scores are closely associated with ball skill performance quality among homeschool students.
- The finding suggests ball skill performance outcome of the homeschool students is influenced by the improved quality of ball skill performance as a result of practice and learning.
- Physical education teachers should focus on the development of movement forms, patterns, and mechanical features when teaching fundamental skills to children.
- Future studies need to investigate if such a relationship can be extended to other types of movement skills or sport skills.



References

Brewer, W., Kabiri, L. S., Mitchell, K., & Ortiz, A. (2018). How healthy is homeschool? An analysis of body composition and cardiovascular disease risk. *Journal of School Health, 88*(2), 132–138.

Acknowledgments

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