

Support Children to Develop Desire in Science, Technical and Technology: The Case of Kinondoni Pre-Primary Classroom, Tanzania

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Support Children to Develop Desire in Science, Technical and Technological Fields: The Case Study of
Pre-Primary Children at Kinondoni District, Tanzania.

Abstract

Recent studies have shown that science, technical and technological fields are underrepresented professionally from schools to university level. The interests to the mentioned fields can be traced back from early childhood education to higher learning levels. Teaching and learning materials either guided or free when integrated into children's games and plays become valuable resources that create desires into children to learn science, technical and technology skills. This study therefore, explored on the supportive teaching and learning materials employed by teachers and parents to build desires and interests of learning science, technical and technology knowledge and skills in their learning through games and plays. The study was conducted in Kinondoni district, Tanzania.

The study employed a mixed method approach based on descriptive survey design. The study collected data from 40 participants (parents and teachers) in only 20 pre-primary classes. Purposive sampling of teachers and parents together with random stratified sampling technique was adopted to get schools. Findings revealed that children curiosity and interest in learning science, technical and technological elements are impacted by various factors including: Types of teaching and learning supportive materials employed by teachers at school, types of plays and games engaged in, classroom environment, understanding of parents, parent's participation on children plays and communication done by closely related members like teachers and parents. Majority 20(100%) teacher was employing certain common games and plays that bored children. Many 16(80%) teachers do not implement recommended supportive materials effectively. The study conclude that supported children build foundation for future professionals, expertise and specialists. It is recommending that every person closer to a child should give positive support of children ideas, natural curiosity, thinking, perspectives to enhance their interest in learning the fields of science, technical and technology.

Keywords: Pre-primary school children, Science, Technical, Technology, Support material