

بسم الله الرحمن الرحيم

* لِيَجْزِيَهمُ اللهَ أَحْسَنَ مَا عَمِلُوا وَيَزِيدَهُم مِّن فَضْلِهِ وَاللهُ يَرْزُقُ مَن يَشَاءُ
بِغَيْرِ حِسَابٍ * (٣٨)

سورة النور

"صدق الله العظيم"



**Institute Of Educational Studies
Department of Educational Technology**

The Effectiveness of Computerized Activities To develop the Creative Thinking of the Pre-School Children

**For obtain the Master Degree of Education
Specialized of Technology Education**

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Summary

Children are considered one of the main pillars of society. The early childhood is thought to be the period in which are put the first seeds for the personality whose feature are revealed in the child future. Therefore, the development of children creative thinking is considered of paramount importance, to help them solving problems confronted by them in the future; the fact that contributes to the society progress.

So, the educational psychologists made great interest of creative thinking study, because this kind of thinking represents one of the important objects for societies to develop, flourish and invest the latent abilities and capacities of their children in all life fields. If the creativity is not developed in children stages its development after math is not of great profit. The creativity is the life breath for children.

The computer can develop the ability to creativity by making children treat and deal with the activities of programs.

Study problem

The current study aims at verifying computer activities effectiveness in development of creative thinking of pre-school child.

To find solution to this problem, the researcher suggests the main following questions (what is the effectiveness in development of creative thinking of pre-school children?

The answer to this main question require the answers to the following subquestions:

- 1- What is the current reality of using the ability by pre-school children?
- 2- What is suggested perception of the computer activities to develop the creativity before pre-school children.
- 3- What is the effectiveness of applying these computer activities to a sample of pre-school children in their creative behavior and thinking?

The goals of study:

- 1- Developing computer skills before pre-school children.
- 2- Developing various educational activities based on computer before pre-school children.
- 3- Developing creative thinking before pre-school children.

The method of study:

The researcher used semi empirical method to measure the effectiveness of applying computer activities to develop creative thinking there are two groups designed to pre-and post measurement.

The tools of study:

This research depends on the following tools:

- Note cards: to note children performance computer activities prepared by the researcher.
- Torans exam for creative thinking (circles activities).

- Gelford exam for creative thinking (stories titles).
- Exam for creative (completing lines) prepared by the researcher.

The measures of the study:

This researcher is based on the following:

- 1- Determine principles of computer activities by:
 - previous researches and studies related the research field.
 - Educational literatures related to the teaching the development of creative thinking of the kinder garden.
- 2- Choosing technical and narrative activities that have the determined educational goals within child abilities and readiness to learning.
- 3- Delineating the perception to computer activities by computer programming.
- 4- Offering the computer activities to arbitrating professor and amending these activities in the light of professor.
- 5- Preparing note card C prepared by the researching.
- 6- Preparing an exam for creative thinking (prepared by the researcher).
- 7- Choosing the research sample and dividing in into two groups: experimenting and controlling.
- 8- Pre-applying tools.
- 9- Applying computer activities.
- 10- Post-applying tools.

- 11- Interpreting and explaining results.
- 12- Formulating recommendations and proposals.
- 13- Preparing the final report of the study.

The results of study:

- There are no differences of statistical evidence between average degrees of empirical group and controlling group in creative thinking abilities in pre-applying tools.
- There are differences of statistical evidence between average of degrees of empirical group and controlling group in creative thinking abilities in post-applying tools.
- There are differences of statistical evidence between average of degrees of empirical group in creative thinking between results of pre and post-applying for the sake of post applying.
- There are differences of statistical evidence between degree of controlling group in creative thinking abilities (between results of pre and post-applying).

Research recommendations

- The interest of ministry of education to design curricula and programs especially for children activities in the period of kindergarten, in the light of their interest, needs and properties.
- Holding debates and training courses for kindergarten female teacher to cope with all what is new in creativity, because the female teacher women are not specialized in this field.
- Concerning with making guide courses for children chargers (responsible), to know what the field where the creative thinking abilities of their children are revealed of this is for caving for children and how to direct them, and develop this creative ability before them.
- Concerning with programs of preparing female teachers in kindergarten stage to prepare female teachers able to find creative children and develop their creative abilities.
- Holding training courses for kindergarten female teachers to train them how to choose the stories suitable for kindergarten according to the desirable target and train them how to narrate the story because it develop creative imaginary before children.
- The necessity to provide computer lab in all kindergarten.
- The necessity to introduce electronic games to kindergarten and exploit children capacities by their performance for educational useful games with the purpose of utilizing game scientific abilities where these so that these games are educational far from of violence and negative attitudes and help children learning.

- Considering computer using skills as a part of kindergarten teacher competence, in order to be able to prepare herself in all her different preparation stages either pre service or during it.
- The necessity to hold summer training course to the children in computer applying inside kindergarten.
- The necessity to insert activities curricula in the period of children kindergarten.

Future studies

By the results and recommendation concluded by the researcher, she may suggest these studies.

- Study of extent of narrative stories effectiveness in developing verbal creative and expressing influence before pre-school.
- Study of the extent of computer activities effectiveness on self-learning before kindergarten.
- Study of the effectiveness extent of computer activities on learning before pre-school.
- Study to evaluate kindergarten female teacher to know the extent of their understanding of developing creativity before pre-school children.
- Study to identify the extent of importance of the parents to develop creative thinking before their children.
- Proposed study to prepare small kindergarten inside Kindergarten College to train female teachers practically to develop children creative abilities by the activities.
- Comparative study between kindergartens of languages, private and public schools in activity schools and their impact on children.
- Study of playing effectiveness on originally before kindergarten.
- Suggested perception to activities content with education technology in kindergarten faculties whether these activities are by computer or by the female teacher.
- Study of effectiveness extent of a proposed computer program in developing positive attitudes before orphan children.

- Study of effectiveness extent of a proposed program by incorporating historical persons in developing children creative thinking.
- Study of influence and effect of children stories on developing various values before kindergartens.
- Evaluative study of available children stories in the light of children needs.
- Comparative study between Arab and foreign translated presented to children in the light of their needs.



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بحث مقدم لنيل درجة الماجستير فى التربية

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شكر وتقدير

الحمد لله العلي القدير الذي بنعمته تتم الصالحات، فأنعم عليَّ بإتمام دراستي العلمية المتواضعة، والتي أتمنى أن تكون إضافة جديدة في مجال البحث العلمي.

بداية تبادر الباحثة وتتقدم بأسمى معاني الشكر والتقدير لكل يد تعاونت معها في إتمام هذه الدراسة.

• إن القلم لا يعجز عن تسطير ما يستحقه أستاذي الفاضلان اللذان أشرفا علي هذه الرسالة من الشكر والتقدير والعرفان، فأسأل الله عز وجل أن يجزيهما عني خيرا، وأن يجعل جهدهما لإتمام هذه الدراسة في ميزان حسناتهما.

➤ الأستاذ الدكتور / مصطفى عبد السميع محمد المشرف الرئيسي الذي أشرف علي هذه الدراسة منذ كانت فكرة ورسم لي خطوطها وتابعني متابعة الأب الحامي والأستاذ العالم رغم كثرة شواغله حتي جمعت مادتها وأتضححت في ذهني تفاصيلها ومعالمها .

➤ والدكتورة / سلوي فتحي محمود المشرفة علي الدراسة التي غمرتني بعطفها وعلمها ولم تبخل عليا بنصحٍ ولاوقتٍ ولا توجيه حتي تمت الدراسة علي هذه الصورة التي تدين لها بلمساتها العلمية وتحقيقاتها الدقيقة.

أشكرهما معا شكراً خالصاً صافياً واعتذر عما سببته لهما من إزعاج متواصل طوال فترة إعداد الدراسة وما أعتذر إلا لما رأيته من كرم أخلاقهما وصبرهما وبذلهما ما يستطيعان من أجل طلاب العلم.

➤ كما اتقدم بالشكر والتقدير والعرفان لأستاذي الفاضلين:
الدكتورة / أمل عبد الفتاح سويدان أستاذ مساعد وقائم بأعمال رئاسة مجلس قسم تكنولوجيا
التعليم بمعهد الدراسات التربوية - جامعة القاهرة.

الأستاذة الدكتورة / جيهان كمال محمد أستاذ المناهج وطرق التدريس ومدير المركز
القومي للبحوث التربوية والتنمية.

عضوي لجنة المناقشة علي تفضلهما بقبول مناقشة هذه الدراسة وتوجيه صاحبتهما فجزائهما الله
خييرا وجعل جهدهما في ميزان حسناتهما إنه علي كل شيء قدير .

➤ كما اتقدم بالشكر والتقدير إلى زوجي العزيز جزاه الله عنى خير الجزاء لما قدمه لي من
تشجيع وتقدير ، فتح الله طريقه للعلم والتقدم وزاده من فضله.

والحمد لله أولا وأخيرا، فاللهم لك الحمد كما ينبغى لجلال وجهك ولعظيم سلطانك على ما
أنعمت به عليّ من صبر لإنجاز هذا العمل . . . والله الموفق والهادي إلى سواء السبيل ، ،

الباحثة