The effect of an educational program using the educational module on learning some basic skills of gymnastics for first grade students of the primary school Shimaa Gamal Aldin Gaafar/* Dr

Introduction& research problem:-

Physical education considered strong part of the parties of general education and it is applied educational field which try to educate the individual practically a full education psychologically, socially and physically through the physical activity in order to produce upcoming the educational findings. It was provide necessary to student with the perfect image in terms of training gradually and knowing the elements of the game completely and the suitable level for the grade of the student. This can achieve only if the teacher himself understand these activities in the way which allow him to help the student to acquire it.

The role of the educational programs appears in developing the basic skills as it is the main element which determine the path of action, achieve a specific goal in order to reach at the suitable level and ensure the success of the work accurately. (22: 9) (208: 16).

Module is a mini standard organizational educational unit located within a group of sequential units guaranteed by the organized educational program, arranged to achieve specific educational goals in order to help the learner to walk and success according to their capabilities and his speed under the supervision and guidance of a teacher. (152: 33).

The importance of module is because it is a mean to organize and follow the educational experience and the complete the scientific material perfectly with a less effort. It also reveals for the teacher the weaknesses of the learner during his study of Module, so that he can evaluates him (130: 36).

The main goal of education is to teach effectively; as teaching interacts with several major and minor variables such as the ways of learning and its methods and strategies which

participate in its similar and different effects on teaching (14:3).

"Moussa Ibrahim." "Adel Hassan" (1994) " refer that gymnastics occupies an important place in public education programs and primary school especially in the most developed countries. activities These are included within the activities of selecting the self capacity because of its many movements and skills in which student competes with himself confirming himself (29:95).

This agreed with what " Edyl Shenoda". "Samya Mansour" (1999)and "Mohamed Shehata" assured that gymnastics depends on student's ability to perform difficult exercises and perfectly(7:38) movements (24:41).

Through what the researcher has seen from the previous studies, the reason of difficulty to learn gymnastics for the stage (under age consideration) that the is current educational programs with don't take care qualitative exercises programs which develop those skills for students. The results of this

study referred that the interest of those exercises will lead to increasing the skillful level; what motivate the researcher to procedure this study in order to identify the effect of an educational program using the educational module on learning some basic skills of gymnastics for first grade students of the primary school.

Aim of the study:

- There are Significant differences between pre and post measurement in the level of skillful variables for student of the control group.
- There are Significant differences between pre and post measurement in the level of skillful variables for student of the experimental group.
- There are statistically significant differences between the pre and post measurements in the skillful variables of the control and experimental groups in favor of the experimental group.

Plan & procedures:-Methodology:

The researcher used the experimental method using experimental design of pre and post measurements on pre and post groups.

Sample of the study:-

It has been selected by the random intentional way from primary forth grade students at the experimental school. There number was (40) female students. Also (16) female students have been selected randomly from research community to do the survey.

Steps of preparing the program:

- Determine the appropriate basic skills in gymnastics in that age stage.
- Identify the physical preparation exercises which will contained in the educational module.
- Identify the tools used in the educational module.

Results:-

 $Table\ (1)$ Significant differences between pre and post measurement in the level of skillful variables for student of control group \$N=20\$

-1.416	_					, , , , , , , , , , , , , , , , , , ,	<i>(</i>
Skillful	Pre-		Post-measurement		Differences	improvement	(T)value
variables	measu	rement			between		
	SMA	Standard	SMA	Standard	averages		
		deviation		deviation			
							1
Front	٣.٧٥	٠.٥٣				07	
high			0.0.	٠.٦٢	1.70	% ٤٦.٦٦	7.77
balance							
Hand	٣.٤٥	٠.٣٦				0.6	
standing-	'	.,,	0.81	\ \	۲.۰۳	%0A.A£	۴۸.۲
Dome							
Upgrading from walking and	٣.٢٠	\ \				%٧٥.٦٢	
running to			0.77	٠.٢٥	7. £ 7	7075.11	7.79
perform 1/4 roll Performing							
1/2 roll into	٣.٦٥	٠.٥٢	0.75	٠.٤١	۲.۰۹	%٥٧.٢٦	7.70
air			, -				
dome	٣.٣٠	٠.١٩	0.79	٠.٦٢	7.79	%٧٢.٤٢	۲.٤٧
Hand							
	۳.۱٥	٠.١٤	0.77		۲.٤٧	%VA. £1	7.70
standing							
split	٣.٦٥	٠.٢١			7.72	%71.77	7.78
			0.19	•.17	, , , , ,		, , , , ,
total	76.12	2.4				0.4	
total	78.10	٠.٥٨	49.08	٠.٦٩	10.89	%٦٣.٧٢	۲.۹۸

The value of tabled (t) at significant level 0.05 = 1.72

Table (1) shows that there are statistically significant differences between the pre and post measurements in the skillful variables for the control group in favor of the post measurement; as table (T) was between 2.63 to 2,98which

is higher than the value of tabled (T).

Table (2)

Significant differences between pre and post measurement in the level of skillful variables for student of control group N=20

Skillful variables	Pre-measureme		Post-measurement		Differences	improvement	(T)value
	SMA	Standard	SMA	Standard	between		
		deviation		deviation	averages		
Front high balance	۳.۷۷	٠.٢١	٦.١٠	٠.٥٢	7.77	%٦١.٨٠	۳.۷۷
Hand standing- Dome	٣.٤٢	٠.٦٥	7.77	۲۲.۰	۲.۸۰	%41.44	٣.٦٥
Upgrading from walking and running to perform 1/4 roll	٣.٢١	۰.۸۰	٦.١٤	٠.٥٤	۲.۹۳	%91.TV	٣.٢٥
Performing 1/2 roll into air	٣.٦٢	10	0.99))	7.77	%10.87	٣.٩٩
dome	٣.٣٢	۰۸۰۰	7.17	٠.٥٢	۲.۸۰	%15.TT	٣.٤٩
Hand standing	٣.١٢	٠.٢١	0.9.	٠.٦٥	۲.٧٨	%1.1.	٣.٩٥
Split	77.7	11	7.10	۲۳.۰	7.07	%٦٩.٨٨	٣.٤١
total	۲٤.٠٨	1.77	٤٢.٦٢	٠.٩٧	١٨.٥٤	%٧٦.٩٩	٣.٥٠

The value of tabled (t) at significant level 0.05 = 1.72

Table (2) shows that there are statistically significant differences between the pre and post measurements in the skillful variables for the experimental group in favor of the post measurement; as table (T) was between 3.25 to 3.95 which is higher than the value of tabled (T).

Table (3)
SMA, standard deviation and Significant differences between pre and post measurement in the level of skillful variables for student of control and experimental groups N=40

Skillful variables	Pre-measurement		Post-measurement		(T)value
	SMA	Standard	SMA	Standard	
		deviation		deviation	
Front high balance	٦١٠	٠.٥٢	0.0 •	۲۲.۰	٣.٧٨
Hand standing- Dome	۲۲.۲	٠.٢٦	0.81	•.11	٣.٦٢
Upgrading from walking and running	7.18	•.08	0.77	٠.٢٥	٣.0٤

to	perform	1/4	rol	1

Follow Table (3)

SMA, standard deviation and Significant differences between pre and post measurement in the level of skillful variables for student of control and experimental groups N=40

Skillful variables	Pre-measurement		Post-measurement		(T)value
	SMA	Standard	SMA	Standard	
		deviation		deviation	
Performing 1/2 roll into air	0.99	٠.١١	0.75	٠.٤١	۳.۱۰
dome	7.17	٠.٥٢	0.79	٠.٦٢	٣.٩٨
Hand standing	0.9.	٠,٦٥	0.77	1.70	٣.٢١
split	7.10	٠.٣٦	٥.٨٩	•.1٧	٣.٥٥
total	75.77	•.9٧	٣٩.٥٤	•.79	٣.٦٤

The value of tabled (t) at significant level 0.05 = 1.68Table (3) shows that there are statistically significant differences between the pre and post measurements in the skillful variables of the control and experimental groups in experimental favor of the value group; as the calculated (T) was higher than the value of tabled (T).

Results Discussion:-

Table (1) shows that there are statistically significant differences between the pre and post measurements in the skillful variables for the control group in favor of the post measurement; as table (T) was between 2.63 to 2,98which

is higher than the value of tabled (T).

The researcher attributes these results to the traditional program using at the school. These results agree with the results of both "Ahmed Alhady Yousef Albadawy (1997) (4) and "Rehab Hafez" (2007) (10) which refer that the traditional program used with the control group in the study leads to improving the performance. The researcher believes that the regularity of the students at the control group in the study has a positive effect in those differences.

Also the style of teacher followed in implementing the educational method with its physical and kinetic exercises such as strength, speed and agility which have a main role in developing these characteristics thus the improvement of skillful performance.

The educational activity of the lesson is the basic of the study plan taken on by the teacher in order to learn the kinetic skills. It is also the basic element of lesson; as it aims at learning a basic skill achieving the direct goal of the lesson (25-56).

Thus. the first hypothesis becomes clear which states that there are statistically significant differences between the pre and post measurements in the level of learning some basic skills in gymnastics students of control group.

Table (2) shows that there are statistically significant differences between the pre and post measurements in the skillful variables for the experimental group in favor of the post measurement; as table (T) was between 3.25 to 3.95 which is higher than the value of tabled (T).

The researcher attributes these differences to the educational program of the suggested educational modules that has been used by "Ibrahim Ahmed" (2006) (1), " Ahmed Alghamdy" (2008) (5) "Rehab Hafez" (2007) (10)which about agreed the superiority of the experimental groups because of educational module program which achieved clear effects in passiveness ofdifferent skills level gymnastics according to the goal of each study.

The researcher believes that the educational program of the used educational module led to improving the experimental group as it is prepared perfectly according to students` abilities. Also its exercise were appropriate with the skill needed to learn in gymnastics.

Also these results agreed with "Ali Abdel Mohsen Abdelrahman" (2002)(19) that the educational module style affected positively on learning track and field skills for the second grade students at primary school.

These results also agreed with the result of "Shereef Foaud Algerwany" (2003) (1) study that the educational modules styles has positive effect on learning some defensive skills and cognitive achievement for the experimental group.

Those results again agreed with "Ibrahim Nawar" (2006)(1) results which show that there is statistical significant effect ofselflearning style (suggested using strategy some learning styles together) which are modules and computers program in developing the technical skills and safe skills. The results also agreed with the results of "Rehab Ahmed Hafez"(2007) (10) study, as the educational module affects positively on the level Thus, the second hypothesis becomes clear which states that there are statistically significant differences between the pre and post measurements in the level of learning some basic skills in gymnastics for students of experimental group. Table (3) shows that there are statistically significant differences between the two in post measurements skillful variables for the control and experimental groups in favor experimental of the group; as the calculated (T) is higher than tabled (T).

The researcher attributes this progress for the positive role and the effectiveness of the suggested educational education module in the in the sport field process during designing visual educational programs as educational mean saving the effort and time. It also helps the learner to understand the basic skills in gymnastics. The researcher took into account attraction factor in transmitting this skill well for the learners. image of this skill indicates how to perform it The correctly. researcher believes through this study, that modules help the teacher to identify the abilities of students, their suitability for each module and following their behavior and performance during studying the module.

Also these results agree with the results of "Tarek Shokry Alkatan" (2007) (12) which referred that the modules affect positively on the level of basic performance basketball. And the educational modules are more effective on level of basic performance in basketball than the traditional method(explanation& model performance). This means that the modules are effective: thus experimental group better than the control one because it used modules in learning which depend

learning perfectly with 70% in order to pass the module and get another one. This refers to the effectiveness of learning with 50% as in the traditional system.

The researcher attributed those results that using modules contributes in finding better educational environment where students could be attention for the educational process through encouraging them into the scientific thought and the positive participation learning according to their abilities. In addition to the logic sequence provided by the module which increases the attention towards the parties of skill.

"Sherif Fouad Algerwany" (2003) (11) assures that the educational module provide every student to learn part of the subject according to his abilities and don't transmit to another part until he prefect the last part.

Thus, the third hypothesis has achieved which states that there are statistically significant differences between the two post measurements in the level of learning some basic skills in gymnastics for students of experimental and control groups in favor of the experimental group of study.

Conclusions:-

- The educational program of module used has a positive effect in learning the methodical skills in gymnastics for first grade students of primary school.

- using the educational module contributes in decreasing the learning time and reaching at perfection in short time.
- The program of suggested learning module improves the skillful variables more than the school program.

Recommendations:-

- 1- ministry of education and who are responsible for preparing the curriculum of physical education should encourage using the educational module within the curriculum.
- 2- Teachers should apply the educational module during learning different skills.
- 3-teachers should train on preparing detailed tests in different sides of physical education curriculum and on measuring these tests and analyzing their results.
- 4- Preparing courses for teachers in order to identify how to use and prepare the reference of the unit to learn the kinetic skills at the primary school.

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