

The effect of the information processing strategy on learning some basic skills in the ground tennis competition for young players

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Abstract

The information processing strategies that the players use to deal with, acquire, store and retrieve information as the theoretical side, the practical side and the amount of interaction between them in order to develop the educational process and obtain better learning results in the basic skills of the tennis competition. Each learner of the players has his own cognitive style that affects his path. Its treatment of information, and that the research problem lies in the use of the information-processing strategy of preparing the number of educational units that were insufficient for the vocabulary of teaching skills for the competition, and the research aims to prepare an information-processing strategy in learning some basic skills in the tennis competition for young players, and the researcher used The experimental approach of the pre and post testing of the experimental and control groups for its suitability to the nature of the research, and the research community was determined for the players of Al-Hillah Sports Club / Babil Governorate for the tennis competition for the 2019 sports season, and their number (10 players). Control, by (five players) for each group The information processing strategy was applied for a period of eight weeks and at three training units per week. The researcher used the statistical bag (spss) to process the data. The researcher reached the most important conclusions. There is a positive effect of the information processing strategy on learning basic skills in ground tennis youth.

Keywords: information processing strategy, tennis tournament.

I. Introduction:

The technological development that accompanies our lives now makes the educational process shift from the scientific attainment of knowledge and the learner's test of the extent to which he can recall this amount of intellectual achievement to self-research and use of information within the limits of organized practical application, so we must work to transform the educational process from the collection of information To understanding and analyzing that information in order to invest it in the best way, i.e. how to deal with information and how to process

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it and its impact on the skill performance of basic skills in the tennis competition, the strategy of information processing has a great impact because the learning process needs to be smooth in thinking and flexibility in dealing with information Likewise, flexibility in how to deal with all the data of the educational environment in a way that guarantees a complete and correct method of learning that is not associated with errors, the importance of research lies in the use of information processing strategy and its impact on players to teach some basic skills in tennis, which contributes to a clear role in developing his learning and gaining correct technical performance through succession Information in the process of the learning method to be the focus of the educational process rather than his role as the recipient and the listener Only using modern technology.

Research problem:

The information processing strategies that the players use to deal with, acquire, store and retrieve information as the theoretical side, the practical side and the amount of interaction between them in order to develop the educational process and obtain better learning results in the basic skills of the tennis competition. Each learner of the players has his own cognitive style that affects his path. His treatment of information, and that the research problem lies in the use of the information-processing strategy of preparing the number of educational units that were insufficient for the vocabulary of teaching skills for the competition. Therefore, the researcher decided to use and introduce modern technology in the learning process and use optimal means with educational methods to overcome these obstacles by introducing technology In the process of learning and by using a better information-processing strategy.

Research aims:

- Preparing a strategy for processing information in learning some basic skills in the ground tennis competition for young players
- Identify the information-processing strategy in learning some basic skills in the ground tennis competition for young players.

Research hypotheses:

- There is a positive effect of the information processing strategy in learning some basic skills in the ground tennis competition for young players.

Research areas:

The human field: Players of Al-Hillah Sports Club for Youth for the 2019 sports season.

Time domain: from 7/2/2019 to 7/9/2019.

Spatial domain: the closed hall of Al-Hillah Sports Club / Babil Governorate.

II. Research methodology and field procedure:

Research methodology: The researcher used the experimental method with the experimental design of the pre- and post- test for the two equivalent groups (experimental and control) for its relevance to the nature of the research.

Research community and its sample: The research community was identified for the ground tennis players of Al Hillah Sports Club for the 2019 sports season, whose number is (10).

Table (1) Presentation of the results of the differences between the pre- and post - tests of the control group in the researched variables and their analysis

Tests	measuring unit	Pre-test		Post-test		The value of T calculated	significance
		A	STD	A	STD		
The skill of the depth of front and back strikes	Degree	28.2	1.45	30.03	1.23	1.46	sign
Ability skill strikes the plane front and rear in the rear	Degree	24.03	0.32	26.05	1.35	1.78	sign
Evaluation test transmission	Degree	29.02	0.58	30.09	1.68	1.82	sign
Measuring skills capacity in pressing.	Degree	7.02	0.62	7.8	1.77	1.35	sign

Table (2) The difference of the arithmetic mean, its standard deviation, the value of (t), and the significance of the differences between the results of the two pre and post tests of the experimental group in the variables under investigation

Tests	measuring unit	Pre-test		Post-test		The value of T calculated	significance
		A	STD	A	STD		
The skill of the depth of front and back strikes	Degree	32.3	1.24	34.5	1.25	2.86	sign
Ability skill strikes the plane front and rear in the rear	Degree	26.04	0.34	28.05	1.13	2.84	sign
Evaluation test transmission	Degree	31.03	0.56	32.01	1.67	2.65	sign
Measuring skills capacity in pressing.	Degree	8.02	0.76	9.00	1.79	2.89	sign

Devices Tools used in the search:

- Legal tennis court number 2, tennis rackets and balls number 30, electronic stopwatch number 4.

Tests used in research:

- 1- Test of the skill ability for front and back blows (ITF, 2004, p.8)
- 2- The skill of front and rear flying strikes in the rear
- 3- The transmission evaluation test (Zafer Hashem Al-Kazemi: 2003, p. 23)
- 4- The skill in pressing

Pre-tests: The researcher conducted the pre-tests on Thursday 4/7/2019 in the closed hall of Al-Hillah Sports Club / Babel Governorate educational programs:

- The implementation of the educational units began on Saturday 6/7/2019 and ended on Thursday 5/9/2019.
- The duration of the educational program (8 weeks), for each week, three educational units.
- The teaching unit time was (90) minutes.

Preparatory section, time (8) minutes, and the following section:

- Main section time (75) minutes
- Section closing time (7).

Post-tests: The post-tests were conducted on Saturday 7/9/2019 in the closed hall of Hilla Sports Club / Babil Governorate, by providing conditions similar to the pre-tests in terms of (time and place).

The statistical methods used in the research: The researcher used the statistical package (SPSS) to find the appropriate statistical treatments.

III. Presentation, analysis and discussion of results:

- Presentation of the results of the differences between the two post tests of the control and experimental groups in the studied variables:

Table (3), the value of (t), the level of error, and the significance of the differences between the results of the post-test for the control and experimental groups in the variables under investigation							
Tests	measuring unit	Pre-test		Post-test		The value of T calculated	significance
		A	STD	A	STD		
The skill of the depth of front and back strikes	Degree	32.4	1.64	36.8	1.44	3.59	sign
Ability skill strikes the plane front and rear in the rear	Degree	27.05	1.27	30.07	1.74	2.48	sign
Evaluation test transmission	Degree	31.02	1.76	34.06	1.37	2.27	sign
Measuring skills capacity in pressing.	Degree	8.01	1.73	9.03	1.94	2.78	sign

Discussing the results:

The results of tables (1, 2, 3) show, there have been significant differences between the pre and post tests in learning basic skills in the tennis competition, and the researcher attributes the reason for this to the correct education, iterative attempts and the time period that showed this development, which is a moral phenomenon in

Research tests, as well as taking advantage of the strategy of the educational technology workshop prepared by learning, which aims to develop the motor skill by increasing the number of iterations and giving freedom to the learner in position and position in the performance of the skill, which is one of the main methods for developing physical and skill performance (www.Elements of style.com, 2001)), And that the process of giving feedback increases players' energy and motivation, promotes correct performance and avoids wrong performance. All sources and studies related to learning have emphasized the importance of feedback and its benefits in the stages of basic learning, acquisition and retention and in the process of its accompanying learning. All these variables have affected the differences in tribal learning. And the dimensionality and made a remarkable development and the retention of learning (YaroubKhayoun: 2002, p.91). The knowledge of the learner with the results of his response is one of the important principles for the occurrence Learning, as after the completion of any activity requires the presence of a review feed that informs the learner of the results of his activity to stimulate his motivation and motivate him to continue learning (Fawzi Fayez and Rabhi Mustafa: 2010, p. 218), that information processing "is a process of effective attention, high awareness and accurate representation of the production of coding, storage and retrieval processes that extend Between depth and expansion of information according to the personality type of the individual (Nadia Samih: 2004, p. 65).

IV. Conclusions:

- The results showed a remarkable superiority between the pre and post measurement of the educational technology workshop strategy in developing the technical performance and accuracy of some skills in ground tennis for young people for the experimental group and in favor of the post measurement.

- There is a positive impact of the educational technology workshop strategy in developing the technical performance and accuracy of some young ground tennis skills in favor of telemetry.

V. Recommendations:

- Information processing strategy, to increase the ability to learn some basic volleyball skills.
- The effect of the program prepared by the researcher on the experimental group as it surpassed the control group in learning some basic skills in volleyball because it was suitable for the sample and varied with its exercises, tools and methods used.

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