

The effectiveness of a proposed educational program according to the constructivist social interaction theory in achievement among students of basic education colleges.

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Abstract:

The current research aims to: Build a proposed educational program according to the constructive, social, and interactive theory of achievement for students of basic education colleges.

To achieve the research goal, the two researchers hypothesized the following zero hypothesis: There are no statistically significant differences at the level of significance (05, 0) between the average levels of achievement of experimental group students who study using the proposed educational program prepared according to the interactive social constructive theory, and the average score of the control group students who They study the same subject in (the Normal method) with a post-achievement test, and to achieve this the researchers chose an experimental design with partial control, as was chosen intentionally by the College of Basic Education to conduct the experiment, and the research sample consisted of (60) students with a rate of (30) students A student of the experimental group and (30) male and female students of the control group. The experimental group studied the proposed educational program according to the interactive social constructive theory, and the control group studied in the Normal method, and the researcher verified the characteristics of the psychometric test of the test. The end of the experiment, the researcher applied the post achievement test to the two groups, after that the results were analyzed and showed the superiority of the experimental group who studied according to the educational program over the control group who studied in the usual way.

keywords: *Effectiveness, educational program, interactive social constructivist theory, achievement, basic education*

- The importance of research:

Modern education has given great importance to teaching methods because it has a clear impact on students' attitudes and attitudes towards the subject matter and towards their teachers, and the success of the teacher depends on the education process, and it was seen as the cornerstone of the educational process, because it has great importance in achieving its goals and translating the curriculum goals To the concepts, attitudes, and tendencies that the university aspires to achieve (Razuqi, et al., 2005, p. 7).

Thus it became necessary to adopt a new philosophy in education that relies on the use of educational strategies that allow intellectual and intellectual openness, and this helps to generate knowledge and ideas and the absorption of science and technology, and this is done through creating educational and surrounding conditions and a concerted effort in order to keep pace with developments and keep pace with the scientific and knowledge complex and achieve the goals of education (Hamoda, 2012: 31).

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This requires a strong scientific foundation that enables it to face the flood of scientific and informational knowledge, in order for each individual to develop and employ the possibilities of modern scientific knowledge for the benefit of human beings and participation in society for a better future, which forced the modern man to keep pace with this development in order to be able to adapt Coexistence in the era of science and technology prevailed, so the educational and educational aspect had a share in this development, because it is directly responsible for preparing the generation of science (Shaheen, 2008: 10).

And that the success of education is related to the elements of the educational process represented by the teacher and the student and the curriculum, and teaching is one of the most important jobs that have been associated with education because through it knowledge and experiences are transferred and the development of inclinations and skills and the acquisition of values and access to all that is new; Citizens are able to contribute to the development of their community because they are community leaders in various economic, social and cultural fields, and in order to fully exercise the teaching function, I imposed on those in the educational process to be familiar with the preparation of programs that A science based on modern theories, and providing a suitable climate for the success of the educational process (Al-Kubaisi, et al., 2012: 217).

And attention to teaching methods and teaching methods, therefore, the teacher must, in the light of it, make better use of it and harness it within the educational process, and follows the latest learning strategies that make the learner role positive and considered the focus of the educational process. He thinks and suggests solutions to the problems he faces, which he participates effectively and thus increases his achievement towards the education process (Sherbiny, 2011: 47), which includes a set of activities and decisions made by the teacher in the educational situation (Marie, and Al-Haila, 2011, p. 14), designed in an organized manner and intended for experiences that help him to achieve the desired change in performance (Abu Shraikh, 2010, p. 4), And head towards them Study the educational environment, employing technology education, which is one of the active applications in educational programs (Darwazah, 1999: 62).

In order for the educational program plan to be integrated, it is necessary to seek the help of modern strategies that emphasize the learner's activity and social interaction with his peers, and this helps them to achieve learning goals and realize the relationships between its aspects and the result. They learn from each other many things that may exceed what they learn from the teacher because the student does not hesitate in front of his colleagues whatever The opinion was simple.

From this standpoint, it is clear that the amazing acceleration in all fields of science has imposed an increased need to follow this development and learn about theories and learning their applications within educational programs and modern methods, in order to enable the student to develop his mental capabilities and raise the level of educational performance in a way that achieves educational goals, making the learner the focus of the educational process And providing him with experiences, directions and knowledge that help him succeed where this is not done with indoctrination and dumping, but by providing experience that allows him to pursue education while gaining the knowledge and performance competencies that the learner needs and performing his role with all success and effectiveness (Al-Hadithi, 2003 64 67).

This is done through the knowledge of the professors to prepare educational programs that depend on theories of learning and education, including the interactive social constructivist theory, and lay the foundations for the theory and specifically the three dimensions that refer to the various components within the educational relationship that the theory consists of which is (the structural dimension) and (the social dimension) and (Interactive dimension).

Strategies have importance in the learning process, and one of the most important ways to measure learning is academic achievement. For this, education men and other education stakeholders pay great attention to academic achievement because it is a basic criterion whereby students are determined to progress in study and distribute them to different types of education, as well as in choosing educational programs Which suit them, and also every society is keen on achievement and gives it great importance and monitors educational institutions and holds them accountable for what they have achieved and achieved by the quality of graduates, and educational institutions are concerned with the achievement of being an indication of their progress towards educational goals Through psychological counseling (Qteishat, 2010: 76), which helps individuals in solving their crises, and enhances their capabilities in making appropriate decisions, and solving personal, psychological, social and environmental problems by creating a dynamic, interactive, professional and conscious relationship between the mentor aimed at helping the mentor to define himself.

He understands himself, through a holistic view of his personality aspects, and achieving the utmost levels of adaptation, compatibility, and mental health (Al-Zoghbi, 2015: 13).

Therefore, psychological counseling gained great importance as a result of the tremendous changes experienced by human societies in our present time in all aspects of psychological, social, economic and political life. As a result, developed societies began to provide psychological and counseling services aimed at helping the individual to solve his psychological problems by scientific methods, and this is an indication of Society progressed in its paper and its concern for the human being (Radi, 2012: 13).

For this reason, the need for educational guidance increased as a result of the complexity of life and the complexity of its fields due to the rapid changes that the world witnessed in all areas of life that accompanied the scientific development and technological industrial progress and the increase in the number of students and their psychological, educational and vocational problems that negatively affect the educational process and hinder it from achieving its goals(Kajwan,2013. : 1)

Educational guidance plays a role in helping students discover their abilities and capabilities, choosing a specialization that suits them and adapting to their academic, social and scientific environment by providing them with sufficient information in order to achieve the goals of the educational institution (Jasem, 2017: 6), and achieve comprehensive growth for them, not only to help them in light of Their abilities and inclinations in the academic environment not only to solve their problems and change their behavior for the better (Al-Fasfouss, 2007: 5), and to provide them with information, facts, ideas and practical and theoretical experiences and link them to real life in order to prepare them for the future life by giving them the The necessary skills and contribute to facilitating their growth in all aspects and aspects of their personality (Abu Asaad, 2017: 272), promoting good morals, preserving social customs and traditions, principles of the Islamic religion, raising the morale and national enthusiasm of students to serve their country and society, in addition to guiding and increasing their commitment and urging Academic level, success, excel, and guiding them to effective methods of learning and study to solve study problems and uncover psychological and social problems that aims to promote and support positive behavior among students and extinguish the behavior Negative in order to preserve students' balance and psychological and social compatibility and adaptation in the university community (Khadra, 2014: 164 - 168)

By adopting the process of educational counseling for students and effectively monitoring their implementation as one of their basic tasks and duties in practical and functional life by issuing bulletins and purposeful boards, holding seminars and lectures, and informing them of educational problems such as low achievement and helping them to make a greater effort in academic achievement.

To keep pace with the rapidly evolving global developments in all fields and scientific specialties, which helps in achieving targeted and targeted results and upgrading high scientific levels (Abd Rabbo & Youssef, 2006: 57), so that it has a role in scientific and technological development because it is the most capable of addressing social and economic problems and enhancing its human and cultural role in Our civilized world, therefore, it has become obligatory for those concerned with education affairs in general and university education in particular to examine education programs and teaching methods in order to ensure its quality and ensure its conformity with modern scientific developments (Jerio 2005: 39).

- **Research problem:**

The change and development that has occurred in all areas of life, including the educational and educational aspect of its methods and methods, is no longer appropriate for what teachers use from the methods of indoctrination and the filling of students' minds with information due to traditional teaching methods that are often presented in a dry and boring manner, without taking into account the learners environment and their needs, as well That it does not mean taking care of their different mental abilities and capabilities, which generates aversion to the university and the formation of negative attitudes towards its teachers, so new flexibility and strategies have to be found and make the learner to be active in the educational and educational process (Zayer, 2014: 228).

Which is one of the important axes in building any society and a basis in its development and progress, and that any country that is interested in and seeks to develop and progress must be concerned with the university educational system and in Iraq, which seeks to build a developed and advanced country after the events of political change in

(2003) must focus on Cognitive and personal aspects by paying attention to modern teaching methods and access to the latest teaching methods in university education (Al-Tamimi, 2016: 95).

For this, the university professor should be familiar with the material of educational guidance and the methods of providing it to students and be familiar with the skills and methods, and the researcher has noticed, through years of service in teaching, that there is a poor achievement of the educational guidance course and you see the reason due to the adoption of the teaching and preservation methods that are no longer suitable for modern university education. In order for this fact to be more clear, the researcher distributed a questionnaire to a sample of teachers of educational guidance at the College of Basic Education / University of Babylon for the second stage, they numbered (15) teachers, and included the following question: What are the teaching methods used in your teaching? The educational guidance tool

Accordingly, the researcher attempted to address this problem by conducting a study, perhaps contributing to raising achievement, and within the limits of the researcher's knowledge, that there is no Arab and local study that dealt with a proposed program according to the constructive social theory of interaction in achievement, and in light of this the problem of this research is crystallized in the following question:

Is the proposed educational program according to the interactive social constructivist theory effective in achieving the basic education colleges students?

- The research goal and hypothesis

The current research aims to: -

Building a suggested educational program according to the constructivist social interaction theory in achievement for the students of basic education colleges.

Research hypothesis:

To achieve the research goal, the researchers formulated the following zero hypothesis:

((There is no statistically significant difference between the average score of the experimental group students who are studying educational guidance material using the proposed educational program prepared according to the interactive social constructivism theory, and the average score of the students of the control group who study the same subject in (the normal method) after the post achievement test)).

- Limitations of the research:

The research is limited to: -

A Human limit: The second stage / Geography Department

B - Spatial limit: University of Babylon / College of Basic Education

C- Time limit: the second semester of the academic year 2018-2019

D- Knowledge limit: The effectiveness of the proposed educational program according to the constructive social theory of interaction in achievement among students of basic education colleges.

Defining the terms (Items definition):

2- Program Scolaire)

Defined by (Sabri):

“An educational plan where that plan includes a set of steps, procedures, lessons and activities that learners must receive and learn inside or outside the classroom, resulting in a change in his cognitive, skill, and emotional behavior in a desirable manner. The educational program may be individual or group self” (Sabri, 2002 AD: 154).

3- Interactive social constructivist theory

Defined by (Gharib):

"It is a theory that consists of three dimensions, and each of these dimensions has a series of functions and remains under the responsibility of one of the partners in the educational relationship, including (the structural dimension), which represents the functions associated with the learner himself (the social dimension), which represents the functions associated with the social interactions that the learner nourishes with the teacher And the rest of his colleagues (the interactive dimension), which represents the functions associated with the medium and mainly the subject of learning and its content "(Gharib, 2010: 49).

4- Collection:

(Salah Al-Din): “The degree of acquisition determined by the individual, or the level of success that he attains, or attains it in a specific subject, educational field, or training.” (Salah-AL-Din, 2006: 20)

5- College of Basic Education

"An educational college accepts students after middle school, and the period of study is four years, the graduate gets a bachelor's degree, it was founded in 1994 and accepts graduates of middle school with its scientific and literary branches."

- background theory and previous studies:

Interactive social constructivist theory:

This theory revolves around the learning modes in which the student plays the main role and where the teacher's role is limited to the mentoring process and classifies the educational material educationally so that it is consistent with the needs of students and attends educational methods and identifies appropriate strategies for his learning and adaptation to learning positions in order to achieve the goals of the educational process that learning is a process in which The individual through them from one state to another in general by collecting information from his environment in order to seek to understand and be himself through the formation of himself be the world that surrounds it (Develay: 1992: 161).

In line with the need of the times and the development of the desired educational goals, and keeping abreast of everything that is modern in teaching strategies and methods, as it is no longer acceptable to stick to the strategies of abstract recitation and listening, because it is no longer sufficient to meet the requirements of the educational and educational process and is no longer able to respond to the goals of education in the light of the modern vision of education And education, and it became important to be aware of everything new in teaching and its implementation in educational work, that the teaching strategy means the connected plan necessary to achieve the goal, and it includes the basic steps that the teacher plans for Z Achieve the objectives of the curriculum (Al-Afoun, 2013: 9).

Teaching strategies are linked to a question that the teacher must ask himself: How do I study? Through the answer, the teacher will show the role of teaching strategies in arousing the student and generating motivations for him to acquire various skills, therefore requires the teacher when implementing the teaching strategy structured planning taking into account the nature of learners and understanding individual differences time allotted To implement his lesson, the type of teaching he desires and its type (individual - group) and the capabilities available in his educational institution and the successful teaching has become necessary to diversify in his teaching strategies that he uses with (Abdul- Azim, 2016: 37).

Previous studies: Through the researchers' review of previous studies, they did not find previous studies related to interactive social constructivist theory.

Search procedures: The following search procedures include:

First, the experimental design: that the design of experimental research is the plan that the researcher sets so that he can reach an answer to his research problem and to adjust the variation in the degrees of the dependent variable so that it is due to the independent variable.

The researchers adopted the experimental design with partial tuning (the experimental group and the control group) with a pre and post test because it is more appropriate to the current research conditions for the experimental design as in the following figure:

Group	Independent variable	Dependent variable	Post-test
Experimental group	An educational program according to the theory of interactive social constructivism	Achievement	Achievement test
The control group	the Normal method		

Second: The research community and its sample

1- The research community and its sample: It means all individuals or persons who are the subject of the research problem, The current research community includes: all students of the second stage in basic education colleges in Iraqi universities, and the research sample consisted of (60) male and female students (30) male and female students of the experimental group and (30) male and female students of the group. The control group, and the experimental group studied the proposed educational program according to the interactive social constructive theory, and the control group studied the Normal method.

Distribute the research sample to the two research groups before and after exclusion

Group	Part	Number of students exclusion	Number of students exclusion	Number of students after exclusion
Experimental group	B	31	1	30
The control group	C	32	2	30
Sum		63	3	60

2- The equivalence of the experimental group: Parity was carried out between the two groups of the research sample in a number of variables that the researcher believes to affect the results of the experiment, including from these variables: (the age of the students calculated by months, the academic level of the students for the third stage, intelligence, the achievement motivation scale, test scores Previous information).

3- Control of exotic factors:

Exotic variables are those variables that have emerged due to a relationship between two variables (one is independent and the other is dependent), . (Selection of sample individuals, experimental extinction, time factor, associated accidents, measuring instrument, scientific material)

4- Formulation of behavioral goals:

Intended behavioral goal: that it is a written phrase describing a specific behavior that is observable and measurable and is expected to be achieved by students after completing the teaching of a specific subject or a specific educational-learning activity

. The researchers have reviewed the goals of the educational guidance material and made adjustments to it After presenting it to a group to the experts.

5- Study plans:

Good lesson planning is one of the basic requirements for success in implementing most of the daily activities that the teacher performs, as the plan is like a real translation of the goals and the content of the curriculum into a procedural plan (Aqeelan, 2000, 209) The researchers prepared study plans in light of the behavioral goals of each topic Among the topics of educational guidance material in light of the requirements of the educational program, the plans were presented to the experts and the necessary adjustments were made after taking their notes.

6- Achievement test:

Achievement tests are the tool that is used to measure what a student was able to achieve in a study subject or a set of subjects, and the results of the achievement test are used to judge the extent to which educational goals are achieved and the extent to which educational goals are achieved

The researchers prepared an objective test that was objective, comprehensive, and extracted, honest and consistent, because the current research requires a final evaluation method to measure the achievement of the students' research groups (control and experimental) after completing the experiment to identify the effectiveness of the educational program. The researcher presented the test to experts and arbitrators in educational and psychological sciences, measurement and evaluation, educational psychology, and teaching methods

7- The educational program:

The educational program: One of the basic elements of the educational educational process through the interaction between the student and the teacher, and he has a role in providing learners with scientific experiences, facts, concepts and theories in line with the recent directions of teaching and the level of maturity of learners in the success of the educational process , the researchers have prepared an educational program Which includes a set of activities, strategies and study plans that he depended on in the course of the experiment and its success. The program was presented to a group of experts to know the extent of its suitability for the purpose of its application in To experience the experimental group correctly.

8- Statistical means: The two researchers used the binary test of two independent samples, the efficacy of the wrong alternatives, Pearson's correlation equation, the vertebral strength of the vertebra, the difficulty of the vertebra equation, and the Alpha Cronbach equation.

Presentation and interpretation of results:

The results showed that the experimental group exceeded the control group and achieved the research goal, that is, there are statistically significant differences at the level of significance (05, 0) between the average degrees of achievement of the experimental group students who are studying using the proposed educational program prepared according to the interactive social constructive theory, and the average score of the group students Control subjects who study the same subject as (the usual method) after achievement test.

Conclusions:

The researchers concluded that the educational program has a positive impact on the students 'achievement in the educational guidance material, which helped them to understand and understand the study material.

Recommendations:

The researchers recommended the use of educational programs because they are sufficient to increase students' achievement and encourage them to cooperate and motivate them to participate in the educational process.

Suggestions:

The researchers suggested conducting similar research to the current research in other subjects and on other universities.

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