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The objective of the current research is the reasons for the weakness of professional motivation when teachers of physics for the fifth grade of applied science and biology from the viewpoint of teachers and teachers, the researcher used the descriptive method. The researcher chose All members of the sample community committed to direct the questionnaire to teachers who have experience (10) years and above, and in order to reach the goal of the research requires building a tool. The researcher prepared his instrument, including the reasons for the weakness of professional motivation among physics teachers for the fifth grade of science and presented in its initial form to a group of arbitrators and specialists, where it consisted of (35) sub-paragraphs distributed over (4) main dimensions, and the scale consists of three alternatives (apply, The data have been verified and verified.

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Reasons Behind the Weakness of Professional Motivation of Teachers of Physics of Practicum and Biology 5th Grade Preparatory Students from the Point of View of Teachers

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Methods of Teaching Physics

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ABSTRACT

The objective of the current research is the reasons for the weakness of professional motivation when teachers of physics for the fifth grade of applied science and biology from the viewpoint of teachers and teachers, the researcher used the descriptive method. The researcher chose All members of the sample community committed to direct the questionnaire to teachers who have experience (10) years and above, and in order to reach the goal of the research requires building a tool. The researcher prepared his instrument, including the reasons for the weakness of professional motivation among physics teachers for the fifth grade of science and presented in its initial form to a group of arbitrators and specialists, where it consisted of (35) sub-paragraphs distributed over (4) main dimensions, and the scale consists of three alternatives (apply, apply The data have been verified and verified. After data collection and analysis, a number of conclusions have been reached and a number of recommendations and suggestions have been mentioned.

I. RESEARCH PROBLEM

The must Teachers of physics in particular have access to achieve the desired goal, but there are several factors that affect the effectiveness of teachers and their motivation to work For a

teaching profession under the conditions of the current education system in Iraq, which is dominated by various changes and in many aspects. The experimental reality of the researcher represented in the field of educational work, specifically in the teaching of physics for various grades, including the fifth grade scientific and practicum branches and through discussion of physics teachers researcher found weakness in their motivation to teach physics, and this gave the researcher the green light to initiate Study this problem of:

- *What are the reasons for the weakness of professional motivation when teachers of physics for the fifth grade of applied science and biology from their point of view?*

II. RESEARCH SIGNIFICANCE

Teachers, by virtue of their work in schools, occupy a social position of a character in society and requires it to do a set of behavioral patterns and duties because education is the key to the gateway of the future and the bug of the teacher only possess this key, moreover, the success of the teacher depends on the success of the process of education and promotion To achieve the highest levels and thus achieve its objectives of the outputs as all this is achieved through the organization of his educational experiences and possession of scientific knowledge and his ability to perform skills and manage all that well.that the success of the teacher in his school depends very

much on the method that organizes the sale of work and students, as well as the administrative and supervisory style adopted by the principal and also the circumstance that surrounds the teacher of the climate, customs and traditions Social.

Therefore, in the age of increasing knowledge and techniques, the teacher needs to be aware of general and specialized scientific issues that he promises in his field, so that he can take appropriate actions in the educational situations he faces by virtue of the nature of his work and contact with his students - sons and daughters of tomorrow - and thus achieve the objectives of general education in his community.

Hence, all modern educational systems pay attention to the issue of teacher preparation and training before and during the service, on the premise that the teacher is an essential and important pillar in the educational process and that if there are sufficient numbers of good quality teachers in an educational system, it indicates the success and effectiveness That system, and then what society expects as both progress as a result of proper education. The interest in teacher training is the continuous development and renewal of modern training programs by modern societies.

Through the above summarizes the importance of research the following points:

- Identifying the reasons for the weakness of professional motivation among teachers physics fifth grade.
- Highlighting how professional motivation can help teachers improve their performance and their impact on student achievement. Professional motivation is one aspect of the future of education.
- The results of this research are hoped to help specialists in the Ministry of Education how to raise this important aspect of the teacher and improve it to achieve the objectives set in the educational process.

III. RESEARCH OBJECTIVES

The present research aims at:

- Identifying the reasons for the weakness of professional motivation when teachers of

physics for the fifth grade of applied science and biology from their point of view.

IV. RESEARCH LIMITS

The present research is limited to:

- Spatial limits: Secondary and middle schools affiliated to the General Directorate of Qadisiyah Education
- Human limits: teachers of physics for the fifth grade scientific and practicum branches.
- Time limits: the academic year 2017-2018.

V. RESEARCH TERMS

5.1 Professional Motivation

Ayasrah (2006) defines it as: "The energy and enthusiasm possessed by an individual in the vicinity of a particular profession.

The researcher defines it procedurally as 'a set of internal forces owned and felt by teachers of physics and motivates them to employ their adequacy, knowledge, skills and energies in the vicinity of their work.'

VI. RESEARCH PROCEDURES

6.1 Research Methodology

The researcher used the descriptive method which focuses on investigating one of the psychological phenomena as it exists at present in order to diagnose and reveal its aspects, as well as his interest in collecting accurate and scientific descriptions of the studied phenomenon and a description of the current problem and its interpretation and solutions.

6.2 The Research Community and Its Sample

The research community consists of teachers of physics for the fifth grade of science in the branch of biology and applied in the center of the province of Diwaniyah and the number (43) teacher and teacher, as the information was obtained from the research community of the Department of Planning and Statistics and the Division of secondary owners in the Directorate General of Education Diwaniyah.

The researcher chose the All members of his sample, which numbered 43 teachers.

VII. RESEARCH TOOL

In order to reach the aim of the research requires the construction of a tool in which to identify the reasons for the weakness of professional motivation among teachers of physics for the fifth grade of science, and the preparation of this tool has passed the following stages:

- Ask an open question for some arbitrators and specialists, is intended to identify the most important reasons that lead to poor professional motivation among teachers.
- Review some previous studies that dealt with the reasons for the weakness of professional motivation among teachers of different subjects in general, including physics in particular as a study.
- After the observations made by the arbitrators and specialists, the tool is ready in the final form, i.e., the tool has fulfilled the requirements of honesty. These alternatives take degrees (3, 2, 1), respectively, so the lowest score is 35 and the highest score is **105**.

7.1 Tool Validity

To ensure the validity of the tool prepared by the researcher presented to a group of arbitrators and specialists in methods of teaching science. It was unanimous on the validity of the tool prepared by the researcher, and adopted the ratio (80%) and above a criterion for the validity of the tool, thus keeping all paragraphs and dimensions with some modifications.

7.2 Tool Stability

Stability means that the researcher gets the same results for the same scale and the researcher used two types of stability, namely, the method of repetition if the researcher usually distributes the questionnaire to a group of teachers (15) teachers from outside the sample Using the Pearson correlation coefficient, the value of stability was (0.87). The second type used the Alpha Cronbach equation and the value of stability was (0.85).

These results are good for stability, as the stability of more than (70 %) Is good and the tool is ready to be applied

VIII. APPLICATION PROCEDURES

After confirming the validity and consistency of the questionnaire, the researcher distributed it to the research sample represented by physics teachers for the fifth grade of science who are studying this material in Diwaniyah governorate center, where it was distributed to the research sample of (43) teachers. By extracting the arithmetic mean and percentage, this relates to the first objective of the research. The second objective was answered through the suggestions of the sample members.

IX. STATISTICAL METHODS

- Pearson correlation coefficient to find stability.
- Alpha Cronbach's equation to find stability.
- Arithmetic mean and percentage analysis results.

X. RESULTS PRESENTATION AND EXPLANATION

This section includes a presentation of the research findings and their interpretation according to the objectives of the research as follows:

Results related to the first research objective and its interpretation:

To know the reasons for the weakness of professional motivation when teachers of physics for the fifth grade of applied science and biology from their point of view.

For the purpose of detecting the reasons for the weakness of professional motivation among teachers of physics for the fifth grade scientific researcher extracted the arithmetic average and the percentage of the estimates of the members of the research sample to present the researcher results of his research and interpreted as follows:

Table 1: Frequencies and percentages to detect the causes of poor professional motivation when teachers

No.	General Cases	Number of Sub-cases	Arithmetic Mean	Rank
1.	Reasons belong to the educational system	8	3.02	1
2.	Reasons belong to the society	8	82,1	3
3.	Reasons belong to school administration	8	01,2	2
4.	Reasons belong to school itself	11	08,1	4

Table (1) shows that:

The four arithmetic averages ranged from (1.08) to (3.02). This means that the four axes formed to know the reasons for the weakness of professional motivation among physics teachers were all between high and medium in the estimates of the answer to the sample, and most of the axes that revealed The reasons for the weakness of professional motivation is the axis of the reasons that belong to the educational system, where the average arithmetic was (3.02), followed by the axis of the reasons that belong to the school administration and an arithmetic average (2.01), followed by the axis of the reasons that belong to the community and an arithmetic average (1.83), and finally the axis of the reasons that belong to the same teacher and an arithmetic average (1.80).

XI. RESEARCH SUGGESTIONS

The researcher suggests that:

- Conducting a study similar to the current study for the other stages
- Conducting a similar study to the current study and to teachers of other subjects of chemistry, biology, mathematics and other disciplines.
- Conducting a comparative study between teachers in the causes of poor professional motivation.

XII. Research Recommendations

The research recommends the followings:

- Providing specialized teachers for activities so that the teacher devotes only to this subject and gives it the right.
- Helping the teachers break the daily routine and promote professional self-motivation and care for renewal.
- The media should support teachers by highlighting their role and the role of school life and its impact on society.
- Decreasing the number of students in the classroom and this leads to provide the appropriate time and sufficient for the teacher in the delivery of scientific material.
- Reducing the intensity of the curriculum by raising some recurring concepts ie attention to gender, not quantity.

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