

Original Article: Examining the Characteristics of a Capable Teacher and the Teaching Method of a Successful Teacher

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ABSTRACT

Choosing the right teaching method is one of the most effective measures that a teacher should take in order to increase the efficiency of his class. While even in today's modern educational world, many teachers and even university professors rely on the same traditional teacher-centered methods. New teaching methods are progressing and becoming more complete every day, and many researches are conducted by educational institutions in this field. With the advent of technology and the phenomenon of online education in the last two decades, the types of teaching methods have become even more diverse than at the end of the 20th century. One of the characteristics of a capable teacher is his correct recognition of how to present the lesson and how to present the material. A capable and successful teacher in a private class, by asking questions of his students, determines the level of literacy and previous knowledge of the students and their ability to learn the material, and teaches the material accordingly. Highly capable teachers know that students will not learn well if they only talk to themselves in the classroom. A successful teacher's teaching method is very flexible and depends on the student or students in the class. Students in the primary and first secondary level may be influenced by the teacher as much as their own parents. Correct and respectful behavior of teachers and university professors will provide a very good environment for learning in the classroom.

Introduction

The choice of a method actually determines the interactions in the classroom, the implementation processes, including evaluation methods and activities inside and outside the classroom. In the international language of education, this method is called teacher-centered [1]. This method is the most common type of teaching method, which is

basically the basis of modern education. In this way, the responsibilities of the teacher are much more than the students. The most important of these responsibilities are as follow:

- (1) Providing lessons and teaching them,
- (2) Scheduling and preparation of the lesson plan,
- (3) Holding an evaluation,
- (4) Class administration, and
- (5) Determining the type and duration of class activities [2].

As we all know, in the teacher-centered teaching method, students sit facing the teacher and listen to his words, and most of the class time is spent in this way to explain concepts. Learners should attend class, take notes, and ask possible questions.

Advantages and disadvantages of teacher-centered teaching

Among the most important advantages of teacher-centered teaching, the following can be mentioned as follow:

(1) Explaining the importance of the teacher's role, especially for people who have less experience in educational environments, (2) Constant availability of the teacher, (3) High assurance of covering all contents, and (4) Ease of maintaining order in the classroom [3].

The obvious disadvantages of this teaching method are as follow:

(1) Low attractiveness of the class for learners, (2) Reducing the creativity of learners in the classroom, (3) Weakness in promoting problem solving thinking and teamwork, and (4) Weakness in strengthening analytical and discussion thinking.

It is worth to note that a teacher can have a good management in the class and when the students count on him to do his work correctly and have good self-confidence and fully master the lesson [4].

A teacher who does not know the subject creates the space for abuse. Student's value good and competent professors and respect well-educated and excellent teachers.

For example, a teacher who is active in the field of teaching mathematics, if his teaching style is such that his students understand the lesson, and besides that, the respect of students and students is the teacher's priority, surely his students are also for their own teacher. They are very respectful and make the most of the class time. A teacher who does not have the ability to answer academic and academic questions of students cannot have a good relationship with his students.

Inclusive teaching method

In the past decades, comprehensive teaching was also proposed in front of the teacher-centered method (Figure 1).



Figure 1 Inclusive teaching method

As it is clear from the name of this method, learners get out of the passivity that the teacher-centered method brought to them and become more active in presenting materials, doing activities, and even planning for the class. Many experts also believe that in order to have an effective training session, it is necessary that at least part of it be held inclusively. In inclusive teaching method, the teacher's role is reduced to that of supervisor, planner and class leader, and instead he can present his materials with better quality and creativity.

To hold a class in this way, it is necessary for the teacher to focus on his personal development and strengthening the skills of deliberation, criticism, idea review, creativity development, class leadership, and so on.

By entering a class with an inclusive teaching method, you may see that students are engaged in small groups of conversations with each other or doing a specific activity or self-centered study.

Presentation of conference, craft, and creative activities are common in these classes and maybe even the type of tests is different in them.

Advantages and disadvantages of inclusive teaching

The most important advantages of inclusive method as one of the types of teaching methods are as follow:

(1)Increasing the attractiveness of the class [5], (2)Cultivating creativity and social skills of learners and teachers, (3)The possibility of using virtual training tools, and (4)Strengthening the thinking power of learners.

Among the important challenges of inclusive teaching are the following:

(1)More difficult classroom control, especially when dealing with learners with behavioral problems, (2)Increasing the risk of moving away from the main content of the class, (3)Increasing the risk of some students misbehaving with their peers and the need to monitor their behavior more closely, (4)Increasing the risk of falling behind the schedule for covering the content, and (5)The need for educational aids and facilities [6].

Group-oriented training

One of the new methods of teaching is group-oriented teaching in the form of small groups. In this way, SGI is an abbreviation of small group instruction in the international language.

In group-based education, the way the teacher teaches in the classroom is that students or learners are divided into smaller groups and separate materials are presented to the groups. The criteria for categorizing people into smaller groups can also be the commonalities or abilities of people who, together, complete an educational process or perform a specific activity.

The group-oriented teaching method reduces the teacher-student ratio and thus saves the teacher's time and energy. In today's digital world, the question of many people is how to hold an online class? SGI training can also be an answer to this question.

Many online education software allows defining separate rooms in a class.

Rooms that each can be a tool for grouping people to apply SGI teaching [7].

Advantages and disadvantages of group-based teaching

Among the most important advantages of group-based teaching as one of the types of modern teaching methods, the following can be mentioned:

(1)The possibility of matching the level of the course and the scientific level or the learning capabilities of each group of learners, (2)The ability to monitor the progress of each group of learners more closely. (3)Compatibility with virtual teaching methods, (4)Increasing interactions and social skills of learners, and (5)The possibility of using various teaching techniques according to the characteristics of each group of learners.

Among the disadvantages and challenges of this teaching method are the following:

(1)The possibility of creating psychological pressure on each student in order to fulfill the role assigned to him in the group, (2)Greater complexity of educational planning for the whole class, (3)The possibility of creating psychological burden for the learners according

to the identity and responsibility of their group or the project entrusted to them, and (4) More difficult to manage the class [8].

Project-based teaching method

Another type of teaching method is project-based teaching. In this method, materials and concepts are taught during a project and almost in a practical way. Inclusive participation is also high in this method, so that this method can be considered as a subset of inclusive teaching. Project-based teaching is very efficient in higher education courses from postgraduate level to above. The project-oriented method is considered as one of the new teaching methods, during which a large project is defined, not a small one, limited to one or two sessions. This project can last for weeks or even as long as a semester.

Another difference between the projects defined in this method compared to inclusive or group-based teaching is that they are not limited to the class. Learners in this method mainly pursue and complete their projects and research outside the classroom.

Advantages and disadvantages of project-based teaching

Among the most important advantages of the project-based teaching method, the following can be mentioned:

- (1) The best teaching method to strengthen the spirit of research and questioning of learners,
- (2) Strengthening social skills and teamwork,
- (3) Development of education environment to homes and outside the classroom, and
- (4) Excellent compatibility with online training (Figure 2).

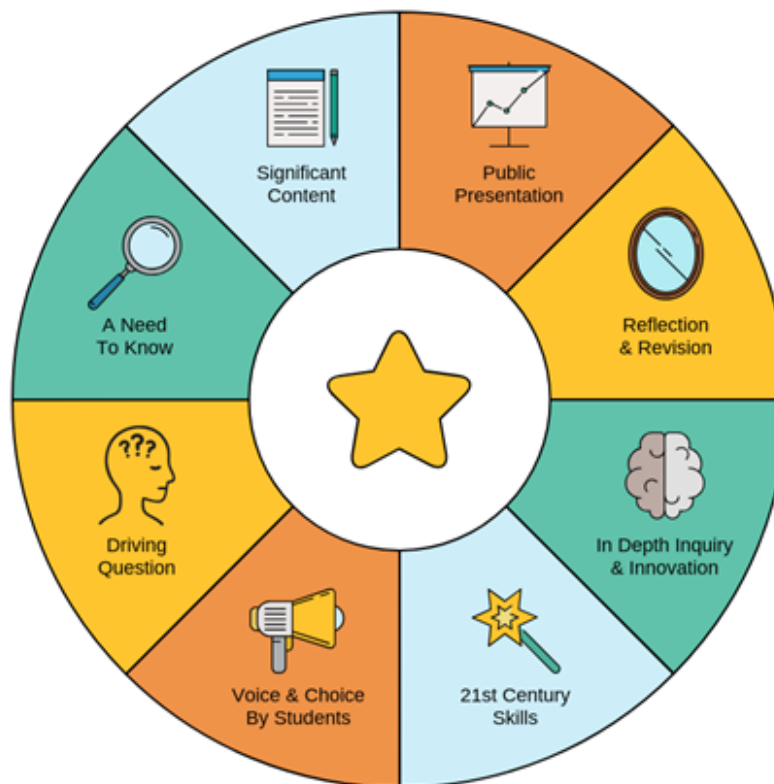


Figure 2 project-based teaching

The most important challenges of this method are:

- (1) The possibility of needing relatively large equipment and facilities,
- (2) Difficulty

implementing for learners who have limited time outside of the classroom, (3) Class management becoming more difficult, and

(4) Requires previous teamwork skills from the learners [9].

Combined teaching method

Blended teaching method actually emphasizes blended learning. In this method, traditional teaching methods are combined with modern technology-based methods such as conference presentation with the spread of the corona virus, virtual education was more seriously raised as one of the types of education, but its problems have caused many educational institutions to prefer to use it in combination with traditional education with physical environments.

The most important of these challenges are:

(1) Reducing the real communication of learners with the teacher and also with each other, (2) Reducing physical and physical activities, (3) Reducing the focus on the development of social and personal skills, and (4) Technical problems of online education only, such as sound problems in the virtual classroom with phones or other devices.

In the combined teaching method, it is possible that online teaching equipment is provided in the face-to-face class, or some classes are held online, and others face-to-face. It is also possible to combine these two methods in other ways [10].

Advantages and disadvantages of blended learning

Among the most important advantages of combined education as one of the new teaching methods are the following:

(1) The possibility of using different teaching techniques, (2) The best teaching method for employees and private institutions, (3) Taking advantage of both face-to-face and virtual methods, and (4) Flexible in time and place planning and compatible with different educational facilities.

The challenges of this teaching method can be summarized as follows:

(1) The difficulty and complexity of designing the training course and planning for it, (2) Requires learning management software or LMS compatible with blended learning, and

(3) Increase in costs due to the need of this method for the facilities needed for face-to-face and virtual training at the same time [11].

Reverse teaching method

Another type of modern and creative teaching method is flipped teaching. In this method, in fact, the role of the teacher and learner is changed in the presentation of the material and the role of the teacher is changed to complement, monitor, and correct. In this way, presenting the conference is a basic and common activity.

For this reason, reverse teaching has a very good compatibility with virtual education and it can be implemented well by using various online class tools such as online education platforms. The letters of the word FLIP also represent the four basic pillars of the flipped teaching method. These four pillars are as follow:

(1) Flexible Environment: Flexible educational environment, (2) Learning Culture Shift: Change in learning culture, (3) Intentional Content: Targeted content, and (4) Professional Educator: Professional trainer.

Advantages and disadvantages of flipped teaching

Among the most important advantages of reverse teaching as one of the new teaching methods are the following:

(1) Active learning, (2) Strengthening the power of thinking and analysis, (3) Reducing the stress of learners when faced with educational materials. (4) Strengthening the spirit of research, (5) The best teaching method to strengthen the self-confidence of learners by continuously presenting the conference, (6) Increasing the attractiveness of class participation by playing video files, PowerPoint, etc., and (7) Adjusting the speed of presenting the content according to the learning speed of the learners [12].

Among the challenges of this method, the following can be mentioned as follow:

(1) Difficulty changing learning culture, (2) Implementation difficulties and the need for e-learning equipment, (3) Dependence on

learners' presentation skills, and (4) High dependence on pre-class preparation of learners.

Montessori teaching method

If you are looking for the best teaching method for children and minors, you must have heard the Montessori Method. This method, which was created by Italian children's teacher Maria Montessori, focuses on the child's enjoyment and benefit from the process of doing an activity regardless of its result.

The Montessori Method consists of the following three elements, as follow:

(1) Placing different age groups together with a maximum difference of three years, (2) Providing a number of activities to learners and the possibility of choosing freely among them, and (3) Guidance, supervision and timely intervention by the trainer.

The Montessori teaching method is developed for children between three and six years old. The age which, according to its founder, is the most important period of human life for learning and developing basic abilities. In this method, the child learns basic life skills such as thinking, perseverance, and concentration by being placed in a real environment as opposed to the relatively fake and temporary environment of schools. However, it should be noted that by providing attractive activities, learners can strengthen all the desired skills [13].

Advantages and disadvantages of Montessori teaching method

The most important advantages of the Montessori teaching method are as follow:

(1) Creating a strong motivation to participate in the educational environment, (2) Strengthening comprehensive personal skills, and (3) The possibility of learning from older children.

The most important challenges of this method can be summarized as follow:

(1) Relatively expensive for educational centers, (2) The need for high knowledge about this method from the trainers, (3) More difficulty controlling the class, and (4) The need

for careful and comprehensive supervision of each learner.

Choose from various teaching methods

The types of teaching methods that we have introduced and reviewed in this article are only the main and well-known types and they can include other types in detail and implementation [14].

Now, the main question is, which of these options is the most suitable for our education? For this purpose, you should consider the following indicators:

(1) The type of educational content, whether theoretical, practical or a combination of them, (2) Educational resources, whether traditional such as books for teachers or internet resources, (3) Learner characteristics such as interests, age, and skills, (4) Time and place limitations, and (5) Educational facilities, including virtual education equipment.

Investigating the effect of teachers' teaching style on students' learning

Teaching is an activity, but not any kind of activity, but an activity that is done consciously and based on a specific goal. An activity that is performed based on the students' cognitive status and causes them to change.

The act of teaching is a series of regular, orderly, purposeful, and pre-planned activities, an activity whose purpose is to create favorable conditions for learning, an activity that flows in the form of interaction and mutual behavior between the teacher and the learner. Teaching is the interaction or mutual behavior of the teacher and the student based on a regular and purposeful design to change the student's behavior. Any activity that is done by one person in order to facilitate the learning of another person is called teaching.

The art of teaching is in the expression of what teaching is, and in order to teach each person, we should know the facilitation methods [15].

How to teach exploratory method

The teacher presents a question to the students to check. The teacher must make sure

that the students understand the problem and know what they are looking for and how they should continue this way and how to choose the right path. The teacher stimulates thinking in the students through dialogue and questions and asks them to follow the problem by presenting examples and examples. The teacher should plan activities that create new patterns. The teacher used different educational models and teaching aids.

In the evaluation, use problems that measure their ability to discover new purposes. Avoid jumping to conclusions based on one or two examples as evidence. The discovery of a topic in the classroom should have a logical procedure and to some extent represent a real revelation with a logical environment and the students should be regularly updated on their progress [16].

Comparison of two different teaching methods from students' point of view

In this article, the effect of two teaching methods, team-based learning (TBL) and classic lecture on the knowledge and attitude of midwifery students in the course of midwifery emergencies was investigated. The present study showed a higher degree of dissatisfaction of students with teaching by lecture method than with team-based learning method. The students who were trained using the team-based learning method, by experiencing the group discussion method, which was a new method in their teaching, their attitude has changed, which is an important point that shows the acceptance of active educational methods compared to the traditional common methods and inactive among students.

In fact, in the team-based learning method, students can express themselves by expressing their ideas and views, and by participating in group discussions, they can learn about the attitudes and ideas of others, and in general, experience an atmosphere with excitement and freedom of expression. In expressing their thoughts, they found more motivation and passion for learning, which led to a significant increase in their satisfaction with the team-based learning teaching method. In the article investigating the relationship between teaching

methods and students' progress motivation, the findings showed that the level of progress motivation of the students is different according to different teaching methods. Also, the results of the analysis showed that the students who are trained with the group discussion method show more motivation to progress.

Accordingly, the methods of scientific demonstration, question, and answer were effective on students' progress motivation. Therefore, students who are trained with new methods, achieve more motivation to progress [17].

Comparison of lecture teaching methods, group discussion and role playing

In the research article presented by Mr. Kazemi and Mr. Saeedi in *jeps.usb.ac.ir* magazine, a comparison of the effect of lecture, group discussion and role-playing teaching methods on the change of students' attitudes towards the value goals of the first-year religious course has been done. The results of the research showed that there is a significant difference between the teaching methods of speech, role play, and group discussion in the field of impact on changing students' attitudes towards the value goals of the first religious book of guidance.

Likewise, the results indicated the superiority of the group discussion teaching method over the other two teaching methods. In addition to these results, the effect of gender on the change of attitudes shows that, in this context, girls have changed their attitudes more than boys regarding the value goals of the first book of religious guidance. In addition, the results show that the group discussion teaching method is more efficient than other teaching methods, and gender has an effect on the change of attitude towards the value goals of the religious book of the first year of middle school. In fact, girls showed this attitude change more than boys.

All kinds of new methods

Among the types of new and innovative teaching methods, we can mention things such as explanatory method, lecture, discovery,

problem-solving, discussion method, question and answer, work unit, small groups, individual learning, and experimental method. A number of new teaching methods are explained below.

Lecturing method

This method is different from the lecture method. Because in the lecture method, the teacher is responsible for giving information to the students. While in this method, information is collected and presented by students. This method can determine how much students know.

Problem-solving method

This method is one of the active methods of teaching. In this method, teaching is done in the context of research and leads to authentic, deep and stable learning in students.

Project method

The project teaching method allows students to improve their management, planning, and self-control. In this method, students can choose a subject according to their interest and actively participate in the completion of that subject.

Practice method

The teacher usually encourages the learner to repeat the material or use it through practice so that the learner acquires the necessary proficiency in the subject in question. For example, the English teacher asks the learner to learn their correct pronunciation by repeating the terms orally, or to make five conditional sentences after finding out how to make conditional sentences.

Demonstration method

In this method, the teacher usually uses various tools and objects to make the students understand a specific subject. If the teacher cannot do experiments to understand the subject matter, the demonstration method can

be a good way to clarify the concept for the learners.

What are teaching techniques?

Teaching methods and techniques are mostly formed based on the creativity of the teacher, knowing these techniques helps in the ease of teaching. 3 main subjects are important in teaching:

1-The interaction between the giver and the learner, 2- A goal predetermined by the donor, and 3- Creating an environment for easy learning.

What is teaching model?

A pattern is usually a small sample of something or a collection of countless things that has the important and main features of that big thing or things. The teaching model is a special framework in which the important elements of teaching can be studied. The choice of a teaching model will depend on the teacher's knowledge of the philosophy and attitudes of education.

A number of teaching models are presented as follow:

Problem solving model

In this model, students use their previous experiences and knowledge to think about the events of their environment in order to solve the problem they have encountered in an acceptable way.

The pre-organizer pattern

The pre-organizer is a topic or general concept that comes in the introduction of teaching to relate the topic that is presented to the students with the previous topics of the same lesson and become a basis for connecting new concepts with the previous one. In this pattern, the contents are usually examined from the whole to the details.

How to choose the teaching method and the best teaching method

Choosing the appropriate teaching method requires the teacher's attention to various components, including the conditions of the teaching method, the characteristics of the teacher, and the characteristics of the students. Totally, along with the nature of the intended educational content, can be a good guide for choosing a teaching method.

From this perspective, the novelty of the teaching method alone is not the criterion for choosing a teacher and it is necessary to pay attention and examine the appropriateness and connection of the method with the purpose of learning in the educational design. The teacher's promptness and reflection at the stage of choosing the teaching method can lead to the formation of an effective and rich learning experience for students.

In an article from Alavi's site, it has been explained as a summary that among the mentioned new methods, it is not possible to say with certainty what is the best new teaching method? Because each method is superior in its own way if used at the right time and place.

The influence of the teacher in new teaching methods that are implemented to increase the quality of teaching should not be ignored because it is the teacher who can encourage his students to learn more with appropriate behavior and teaching methods and deliver creative, brave, and self-confident people to the society.

Therefore, you should have realized that we do not have anything as the best teaching method and it is the teacher himself who chooses the appropriate teaching method according to the subjects, lesson objectives, facilities, abilities, and needs of the students and his skills.

The method can be different for different courses, even for the same course, various teaching methods can be used. It is important to use a method that conveys the content correctly to the audience. Teaching methods are used as a tool to achieve educational goals, to convey information to students, sometimes lecture method is useful, role-playing method, question and answer method, demonstration method, group discussion, exploratory method, and experimental method, but often a combination of these methods is used.

Teaching methods based on direct transfer

Teaching methods based on direct transfer are one of the traditional methods in the teaching and learning process. In this category, we can consider three important teaching methods, which we will examine the characteristics, advantages, and limitations of each method.

Memorization teaching method

Memorization method is one of the very old teaching methods. In this method, memorizing the contents, repeating them by students and cultivating the power of mind and memory is the main goal of teaching.

The teacher presents the concepts orally or in writing and it is up to the students to repeat and memorize these contents. Memorization teaching method can be used especially in subjects such as language, history and literature. It also strengthens and keeps memory active and can be implemented individually and in groups. Therefore, you can also use this method in private classes.

One of the limitations of the memorization method is that it does not strengthen the student's thinking, analysis and creativity. Reward and punishment are among the motivational factors in students in this method. The relationship between teacher and student is very formal and based on respect and fear.

Speech teaching method

In the lecture teaching method, as the name suggests, the teacher presents the course material in the form of a speech.

To implement this method, the teacher must prepare an introduction for his speech to attract the attention of the students and motivate them, and then present your desired content and finally finish your speech with a suitable summary.

Scientific demonstration teaching method

The scientific demonstration teaching method, which is also known as the demonstration teaching method, is based on seeing, observing and touching. In this way, the teacher can show

the concepts in the book in a visible and tangible way to the students. To implement the demonstration teaching method, one should initially prepare the necessary tools and then provide an introduction to the students, and finally perform the desired demonstration and perform the necessary evaluations.

Among the advantages of the teaching method of scientific demonstration, we can mention its practicality and students' direct experiences, their activeness and constant participation. This method can be costly due to the need for educational facilities and equipment. Also, it is not applicable in crowded classes and does not promote high-level thinking such as creativity.

Teaching methods based on interaction

The teaching method based on interaction is implemented in different ways in different situations and according to the content, population and facilities of the class. Question and answer methods, role playing, group discussion, and collaborative learning are included in this category. In the following, we provide explanations about each method.

Question and answer teaching method

Another name of the question-and-answer teaching method is the Socratic method. In this way, the teacher stimulates students' curiosity and encourages them to think about new concepts by presenting many questions. Using this method strengthens self-confidence, creates motivation for study and research, strengthens creative thinking and increases participation in group activities. Also, it does not require high facilities and costs.

Role-playing teaching method

In this method, one or more students choose roles according to their interests based on a scenario that the teacher has prepared in advance, and then, under the supervision of the teacher and the participation of other classmates, they act out the desired topic. They perform one of the advantages of the role-playing teaching method is that students immediately apply the subject they have

learned in the real world and in different situations. In this method, students' emotions are fully involved in learning and this will lead to deeper and more lasting learning.

Group discussion teaching method

In this method, students discuss and exchange opinions about the subject of the lesson. To implement the group discussion teaching method, you should initially choose the desired topic and then create the necessary motivations for students to participate in the discussion. In the next step, it is time to determine the members of the group, heads of groups, and determine the rules of discussion and its implementation.

At the end, it is necessary to make an evaluation of the speech presented and convey the necessary points to the students. Students sharing in each other's experiences, strengthening the sense of cooperation, self-confidence and spirit of criticism, strengthening the power of management, leadership and reasoning, and creating the opportunity for people to evaluate themselves are among the advantages of the group discussion teaching method.

Collaborative learning teaching method

In this method, the teacher divides the students into groups in which a combination of strong, medium, and weak students is placed in each group. Students do the activities cooperatively and the rewards earned belong to all members of the group. The most important advantages of the cooperative education method are creating equal opportunities for learning and strengthening the cooperation skills and social relations of students.

Problem-based teaching methods

The problem-based teaching method is one of the new teaching methods in which the teacher tries to make students think and research by creating a new question or situation instead of transmitting information. Scientific tour teaching method, laboratory teaching method, exploratory teaching method, exploratory

method, and unit-based method are examples of problem-based teaching method. In this section, we examine the first three cases because they are more practical.

Scientific tour teaching method

One of the common methods for teaching course topics, especially in the case of a subject like science, is the scientific tour teaching method. A scientific excursion is actually an educational activity that takes place outside the school environment and with the teacher, such as visiting a factory and observing the steps of making a product, visiting a museum, and so on.

Laboratory teaching method

In the laboratory teaching method, the teacher tries to provide conditions for students to learn the concepts of the lesson through experiments. In fact, in this method, the teacher has the role of guide and facilitator, and the main responsibility of learning is with the students themselves. In this method, because learning is achieved using direct experiences, it will be much more permanent. At the same time, it increases motivation and self-confidence in students. One of the problems of the laboratory teaching method is the need for many tools and facilities. Furthermore, many teachers may not have enough experience to use this method.

Exploratory teaching method

In the exploratory teaching method, the teacher encourages students to interact with their environment and discover the relationships between phenomena by researching, thinking, and manipulating objects and reach a correct understanding of the subject instead of memorizing information. In this method, the teacher should primarily teach the principles and methods of problem solving to the students with the help of the lecture teaching method. After that, a questionable situation is designed for them. This situation is presented to the students by the teacher and then it is the turn of the students to analyze the information and discover the relationships. Finally, the teacher checks the students'

achievements and provides the necessary guidance. The use of this method makes the subjects more understandable and the students achieve higher levels of knowledge, but in general, the use of the discovery method is not very practical for the students of lower levels such as the elementary and first secondary level, because they alone cannot discover knowledge.

Individual teaching methods

The individual teaching method is one of the student-centered teaching methods, which of course does not mean only private tutoring and teaching by one teacher to one student, but it means that the academic progress of the student is based on the level of ability and speed of learning. He takes place.

The main goals of this method are independence in learning, habit of studying, self-control, and self-evaluation. Individual training may be implemented in different ways, but the most important methods that fall into this category are:

(1) Learning to mastery, (2) Tutoring, (3) Programmatic training, and (4) Training by Ryan.

Teaching method of learning until mastery

In this teaching method, a topic is continued until the student reaches complete mastery in that topic. Otherwise, a new topic will not be started.

Private tutoring method

Private tutoring method can be used in all academic levels and degrees. This method is more suitable for students who cannot have acceptable learning in group teaching methods. Of course, many gifted students also use the private education method to pass special exams such as the government sample, the gifted, the national entrance exam, etc.

Programmed education

In this method, educational materials are divided into smaller steps and activities and

presented to the student. In this method, the teacher tries to make students actively participate in learning. Moreover, after each activity is done using student evaluation methods, necessary feedback is provided immediately. The steps should be very short and the student should go through all the steps. Likewise, the main goal in designing the steps should be learning to the extent of understanding, not to the extent of memorizing.

Teaching by computer

Teaching by computer is actually the same as programmed teaching, with the difference that in programmed teaching, the steps and steps of teaching are provided to the student by the teacher and on printed sheets, but in computerized teaching, these steps are provided by a computer or other educational devices and technologies are provided to the student. Many scientists in the field of education and planning believe that this method requires less time for training and is much more effective than other traditional methods due to its attention to the individual differences of students and its precise and regular structure. One of the disadvantages of this method is the lack of communication between students. In addition, the efficiency of this method is higher in university levels than in secondary and elementary levels.

Exploratory teaching method: an example of elementary teaching principles for mathematics course

Exploration means investigation, search and research on a particular subject. In exploratory education, students get to know different methods used by scientists in organizing knowledge and compiling principles and learn the exploratory skills of scientists. Exploratory teaching method is a method in which by providing suitable conditions by the teacher, students are prepared to discover some lesson concepts, without giving the concepts directly to the students. This form of teaching method should usually be used in the early stages of training. This method can be an effective technique in teaching mathematics, in

which the teacher in the classroom helps the student to find the solution and answer to the problem by teaching basic concepts and giving clues. One of the pioneers of the exploratory teaching method is George Polya, a Polish mathematician, who believed that any concept discovered by the student himself will never be forgotten. In his opinion, the best way to learn is to discover concepts by the learner.

The steps of the exploratory teaching method are as follow:

(1)Introducing an interesting topic to students, (2)Asking questions and answers from the students and the teacher answering with short answers, (3)Making hypotheses by students, and (4)Discovering the relationships between the variables in the test subject.

Group discussion teaching method is one of the active teaching methods in elementary school

One of the types of active teaching method, which is very similar to the question-and-answer teaching method, is the group discussion method. In this method, students discuss and exchange opinions about the subject of the lesson and share their opinions and experiences with each other.

In this method, the teacher plays the guiding role. Therefore, he should manage the discussion in such a way that it does not go astray and the students achieve the desired learning goals.

The teaching method of group discussion is quite suitable and practical for subjects such as social studies, history, geography, sociology, psychology, philosophy, economics, etc.

Some of the advantages of the group discussion method are:

(1)Students sharing in each other's experiences, (2)Strengthening the sense of cooperation, self-confidence and spirit of criticism, (3)Strengthening the power of management, leadership and reasoning, and (4)Creating opportunities for people to evaluate themselves.

The steps of implementing the group discussion method

- 1- To implement the group discussion teaching method in the class, you should initially choose the desired topic and then create the necessary motivations for students to participate in the discussion.
- 2- We suggest that you specify the topic of the discussion from the previous meetings so that the students have enough time to study about that topic. In the next step, it is time to determine the members of each group, group leader and determine the rules of group discussion.
- 3- Ask the students to keep their cool during class discussions and respect the rights of other groups, but do not expect that their classmates will accept all their words and arguments during the discussion.
- 4- At the end, it is necessary to make an evaluation of the speech presented and convey the necessary points to the students.

Guaranteed elementary teacher skills to earn money from private tutoring

One of the most profitable branches in private tutoring is teaching various primary school subjects. As aforementioned, some elementary school students have learning disabilities. Many families do not have enough knowledge to diagnose these problems. In the school environment, due to the large number of students, the teacher may not have the opportunity to deal with the learning problems of each student. On the other hand, at the end of elementary school, some students intend to participate in various tests, such as gifted and government tests.

Due to the intense competition in this field, this group of students needs education beyond the level of classes and school books. Due to all the reasons mentioned, many students and families every year with various goals such as strengthening math lessons, dictation, science, recitation, success in gifted and state tests, or treating learning problems of elementary students, apply for a private elementary school teacher. Due to all these reasons, one of the most profitable stages in private tutoring is the elementary stage. You will realize this fact by looking at the income chart of private tutors in ostad bank.

Conclusion

The learning situation and its environment are very effective factors in learning. The environment may be physical, such as light, air, equipment, and educational facilities. It is natural, the more educational facilities are provided for a person, the better learning will take place. In a school that has a suitable space, a library and various scientific resources, the learning of students will be very different compared to the learning of students in a school that does not have a suitable space and where there are no other resources except textbooks. The environment may be emotional.

The relationship between teacher and student, the relationship between students, the relationship between parents and the attitude of parents and teachers in the field of children's education can all be effective in the level of students' learning. A regular educational situation with mutual love and respect will have a greater effect on learning than dry and emotionless environments. Emotion can act as a very effective factor during learning. Factors such as insecurity, fear, anxiety, hopelessness, doubt, and doubt can affect students' learning activities and hinder learning. In any case, if the educational environment has all the mentioned facilities, it will make the student to be curious, try to learn, and solve his mental problems.

Of course, the learning environment and situation should be appropriate to the students' readiness, talent, needs, and inclination. If the set of factors in the environment are not stimulating and understandable for the student, a problem will not arise in his mind, or if there is a problem, the student will not be able to solve it.

However, the facilities of the educational environment, including manpower and equipment, the social, cultural, and economic status of the family, the attitude of parents and teachers towards education and schools, and thousands of other environmental factors can be effective in the quality and quantity of students' learning.

Undoubtedly, human resources and especially teachers are one of the most important factors that form educational environments. The effect of proper location and facilities is not hidden on

any person, but the facilities and equipment will not be effective without the presence of a teacher. By knowing the facilities, the teacher prepares the educational environment, organizes the educational environment and facilities, creates a suitable educational situation, and by knowing the talents, interests and abilities of the students, guides them in the right way of learning.

Of course, such a role depends on the teacher's knowledge and beliefs. Although curiosity and its satisfaction is one of the most obvious needs of students, if the teacher is not familiar with the theories and principles of learning and considers teaching to be only the transmission of scientific facts and learning experiences are limited to sitting in the classroom, listening and memorizing the material heard or written. If he imagines in the book, it is certain that he will not achieve much success in strengthening the curiosity and developing the talent and scientific thinking of the students because the student, who is always interested in thinking, should have the opportunity to move to reach the educational goals. Learning will not happen without effort and activity and interaction with the environment.

A person who wants to learn should have an activity according to his interests and abilities. If these points are not taken into account in the teaching method of the educator, the school, and the class will not be interesting and attractive for the student, but if the teacher considers himself a guide and creates favorable conditions for learning and instead of transferring information, he teaches students how to gain experience.

They will become more active in dealing with problems and will use different sources, obtain the necessary information, organize it, and analyze it to solve problems with this method, the student will not only learn the scientific facts, but will also get acquainted with the scientific methods of acquiring knowledge and will learn how to work with different sources and how to use the course materials to solve the problem, and in the learning process, his initiative, and creativity will work in the course of teaching, the teacher should, as far as possible, first present the subject matter as a whole and determine the relationship between

the parts and the whole, and then examine and analyze the parts. Studying details without considering their relationship with each other as well as their relationship with the whole will cause confusion, while studying from the whole to the parts by identifying the relationships between the parts and the whole increases the power of analysis in the learners and, as a result, learning becomes meaningful. In other words, memorization and repetition give way to understanding and thinking. In response to the questions raised, it should be said that the effect of practice and repetition in the entire learning process and its different areas, especially in the psycho-motor area, is undeniable.

No one can deny that if the concepts and words learned from a foreign language are not practiced and repeated, sooner or later they will be forgotten, but it is also undeniable that the quality of practice, its amount and time play a very important role in consolidation or non-consolidation of behavior. As many experiments have shown, performing exercises in non-focused time has a greater learning effect than performing exercises in focused time.

For example, the student learns the subject to be learned in two twenty-minute exercises earlier than in one forty-minute exercise. Therefore, effective practice and repetition must have special conditions and features because knowing about the progress makes him to try. Exercise should not be too long and tiring. When an action is repeated quickly and continuously, it often reduces the effectiveness of the exercise, in the sense that a person gradually becomes slower and weaker in performing that action until finally he refuses to do it.

In fact, it reduces learning fatigue. The demonstration teaching method is one of the most common and widely used teaching methods.

Although this method of teaching is considered as one of the traditional methods of education, it is an active method that has many benefits for students, especially in science classes. This method of teaching, which is also known as the method of teaching scientific demonstration, is based on observations

including seeing, hearing, touching, conducting experiments, etc. In this way, the teacher can show the concepts in the book in a visible and tangible way to the students. The basis of the primary level textbooks is based on the demonstration teaching method, which includes images of the most important topics and concepts of a lesson, which visually show the students a phenomenon or concept at different stages.

Among the advantages of the teaching method of scientific demonstration, we can point out its practicality and students' direct experiences, their activeness, and constant participation. Besides the science lesson, the demonstration teaching method can be one of the best options as the first elementary teaching method for teaching the alphabet, teaching words and how to write them in the Farsi lesson.

This method can be expensive due to the need for educational facilities and equipment. It is not applicable in crowded classrooms and does not promote high-level thinking such as creativity. In general, the exploratory method in teaching and learning refers to any situation and opportunity created by the teacher, according to which students participate in the learning process individually or in groups with the help of the stages of discovering the subject or solving the problem.

In exploratory methods, the goal is to create the student's learning environment, in such a way that the independent learning environment is provided for him as much as possible, he can gain a major contribution in learning and discover and understand the concept, principles, steps and process or other purposes of the educational subject.

In the exploratory teaching method, the teacher encourages students to interact with their environment and discover the relationships between phenomena by researching, thinking and manipulating objects, and reach a correct understanding of the subject instead of memorizing information. In the primary teacher's exploratory teaching method, the teacher plays the role of a guide, but the level of guidance depends on the student's abilities, the subject in question, and the difficulty level of the problem. The use of this method makes the subjects more

understandable and the students achieve higher levels of knowledge, but in general, the use of the discovery method for students of lower levels such as the elementary and first secondary levels should be done more carefully, because they cannot discover knowledge alone. The exploratory teaching method relies on guesses, predictions, and trial and error, and in it the student relies more on his feelings and perception than using his abstract understanding.

Therefore, this method is not very effective in subjects such as mathematics that require abstract and mental thinking due to the low application of abstract thinking, but because it is based on the student's perception and senses, it can be suitable for the elementary school science teaching method. According to Dr. Freiborz Dartaj's book psychology of learning, collaborative learning occurs when students participate in small groups and help each other achieve learning goals.

In the collaborative teaching method, students collaborate with each other on a problem or subject in the form of small groups with the teacher encouraging them according to their abilities. Solving math problems, conducting scientific experiments, and performing short drama projects are just a few examples of collaborative learning in different lessons.

Collaborative learning will be effective when the following five things are present:

Positive dependence

In the sense that the student understands that it is not always possible to achieve learning goals alone and that group cooperation and participation can accelerate the learning process.

Responsibility

Students should feel responsible for their fellow students and their goals.

Interaction and cooperation

Students should understand that a group needs the cooperation and interaction of all group members to achieve its goal.

Communication skills

In group activities, there is a need for skills such as good expression, leadership, resolving conflicts, etc.

Group process

Students should be familiar with the different stages of group work, such as setting goals, dividing roles, evaluating achievements, etc. The collaborative teaching method increases the student's self-confidence through the oral expression of his ideas and answers to the questions of his classmates, and his communication skills and critical thinking are strengthened.

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