Advantages of Using the "Mental Attack" Teaching Method in the Educational Process or the Method of "Hitting Ten Rabbits with One Bullet"

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Abstract: This article presents the results of improving the quality of lessons using the "Brainstorming" teaching method in the educational system. First of all, general information, advantages and disadvantages of this method were studied. It was mentioned that due to the active participation of the students in learning the process, the subject remains in their memories for a long time and forms an active knowledge reserve.

Keywords: "Brainstorming", active knowledge reserve, groupthink, education, learners, method.

As we all know, every country is a leader in the world with the knowledge and potential of its young generations. Accordingly, there are many teaching methods in the educational system, which are used to increase the potential of students. The new demands placed on the content of education are to provide high scientific and theoretical knowledge to the young generation, in particular, on the basics of science, and this work is based on theoretical knowledge methods, including students' logical thinking, methods of solving logical problems. Armament requires increasing. It should be noted that teaching methods are the regulation of cooperative activities aimed at solving educational tasks. In general, we can conclude that the set of teaching methods is a way to know the surrounding reality.

Accordingly, we will see the "Brainstorming" method as an example of teaching methods.

The brainstorming method was developed in 1953 by Osborne, an American advertising consultant. The main principle of this method is the uncontrolled generation and spontaneous mixing of ideas by the participants in the group discussion of the problem. "Brainstorming" method is one of the most common methods of concentration and activation of thinking. Other methods (method of focal objects, synectics, method of test questions) are rarely used due to their low efficiency.

To ensure maximum effect, brainstorming must obey certain rules, otherwise brainstorming will turn into a routine meeting. The "brainstorming" method is very effective in solving organizational and management problems, for example, finding new applications for manufactured products, reacting to competitor's actions, improving advertising, etc.

Usually brainstorming time is limited. All proposed ideas are recorded and decided upon by a person not involved in the brainstorming process. Brainstorming is the only way to prepare a solution, not a panacea.

1. Goals and boundaries should be clearly defined.
2. All participants of the method should be given the maximum freedom expressed as follows.
   - unlimited freedom of ideas;
   - compulsory expression of the opinion of each participant.
3. When forming the composition of participants, you should be careful, you should remember that:
   - on limiting the number of groups;
   - to determine the names of specialties necessary to complete the task;
   - on creating an appropriate psychological environment;
   - on determining the qualification level of the participants;
   - on the possibility of purposeful inclusion of a disaffected participant in the group.

4. It is necessary to determine in advance how the "brainstorming" will proceed. For example, collecting all the options at each level, then evaluating the viability of each option and choosing the best one, and then "expanding" each confirmed option.

5. The role of the leader in the group implies the following:
   - availability of skills to create the necessary environment;
   - Availability of group management skills.

In the process of using the "brainstorming" method in various situations in many areas of life, this method is divided into nine types that can be used according to the requirements of the teaching field.

**Types of "brainstorming":**
- individual method;
- written method;
- direct method;
- mass method;
- two-way method;
- "brainstorming" with evaluation of ideas;
- reverse method;
- "sequence of sequence";
- "Ideas conference".
- individual method

The advantages of brainstorming are:
- Groupthink produces new ideas with 70 percent more value than the sum of individual independent proposals;
- Educates mental abilities of participants;
- Gives an opportunity to get new unexpected views on the problem under consideration;
- Allows you to connect with ideas presented with great confidence.

**The disadvantages of the brainstorming method include:**
- By encouraging any, even the most fantastic ideas, group members can get rid of a real problem;
- It may be difficult to find a really practical option among the previously pushed options;
- The most experienced and active participants can begin to claim leadership and try to promote their ideas as the most effective.
This method is also used in the field of education to increase the motivation of students and increase their interest in the lesson. And this does not leave without having its effect. For example, a common database of all students studying in the field of education, which is currently being developed and used in foreign countries - the "Hemis" system, has been established, not only for teachers to improve the quality of lessons but it is also convenient for parents of students to monitor how their child is learning. Accordingly, the "Brainstorming" method is also reflected in the field of education. Due to the active participation of learners in the process of learning, the subject remains in their memories for a long time and helps to form an active knowledge reserve.

Initially, it was used in higher education institutions, but now, this method is also used in school classes, and through this, the quality of tactics to attract students' attention to the lesson in a better way is taking its place. It differs from other methods because of its strong results.

References:
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