



## **ORGANIZATION OF REPETITION OF THE MATERIAL LEARNED IN MATHEMATICS LESSONS WITH THE HELP OF MULTIMEDIA**

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**Repetition is called the mother of knowledge.**

**In what ways do people repeat what they learned in class?**

| <b>A B S T R A C T</b>                                                                                                                                                                                                                                                                                                                                                                                                    | <b>KEY WORDS</b>                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Until now, people have used repetition in various ways and in very complex ways. People have used such methods for a long time, but after the advent of the Internet, very convenient and fast search methods appeared. In the 21st century, that is, by the age of information technologies, each user has his own profession, and representatives of all fields of the world, artisans, merchants, are widely using it. | multimedia, Internet, You Tube, Video And Multimedia, Google, Telegram, Instagram. |

It is important to organize repetition of the studied material in the process of teaching mathematics. The need for repetition is associated with learning tasks that require strong and conscious mastery of them. Modern researchers have shown the importance of the process of repeating the studied material and the important role of didactic methods such as comparison, classification, analysis, synthesis, generalization, which contribute to the intensive flow of the memorization process. At the same time, flexibility, mobility of the mind, generalization of knowledge develops. In the process of repetition, students' memory develops. Emotional memory relies on visual-figurative processes, gradually giving way to memory with logical thinking processes, which is based on the ability to establish connections between known and unknown components, compare abstract material, classify it and justify one's thoughts. Repetition of the educational material in mathematics is carried out in the entire system of the educational process:

- updating knowledge - at the stage of preparation and learning of new material;
- when the teacher forms new concepts;

- in strengthening previously learned things, organizing various types of independent work, checking students' knowledge.

The need to repeat previously learned material is related to the structure of the mathematics course curriculum. For example, 7th graders follow the Short Multiplication Formulas curriculum, but they use material previously covered in 5th grade Multiplication and Division of Decimals and Fractions. , but new material has already been added.

Repetition is especially important in the process of learning mathematics. The peculiarity of the subject of repetition is that the material of each lesson is logically related to the previous one, and sometimes it is far away in terms of time from what is being studied. After acquiring new knowledge, the student becomes an active participant in the educational process if he has an appropriate knowledge base. Its existence is mainly determined by systematic and properly organized repetition.

## **Types of Repetition**

In the existing educational and methodological literature, there are different terminologies in the classification of types of repetition, systematizing the issues of repetition of the mathematics course of the general education school to a certain extent.

The most common classification of types of repetition:

- Review at the beginning of the school year.
- Current iteration of all previously covered topics:
  - repeating the past in connection with learning new material (with repetition)
  - repeating the past without connecting with new material
- Thematic repetition (summarization and systematization of repetition of completed topics and sections of the program).
- Summarizing and systematizing the repetition of completed) topics and sections of the program with the help of multimedia tools

Dear listeners, let's describe in detail each repetition of a separate type.

## **Repetition of educational materials from the beginning of the academic year**

At the beginning of the academic year, the repetition of topics directly related to the new educational material should be prioritized. New knowledge acquired in the classroom of general education schools should be based on a solid foundation already learned, if these educational materials are implemented with computer tools, that is, with the help of multimedia technologies, it will cause an increase in quality efficiency. I didn't try it at school, but I got good results in the groups I teach at the university. For example: in the practical lesson in the 8-22 TMJ group, I checked the practical examples in the lesson with the help of a program developed by myself, and the result was excellent.

When repeating at the beginning of the academic year, along with repeating topics closely related to the new material, it is necessary to repeat other sections that are not yet related to the newly learned topic material. Here it is necessary to combine both tasks: to review the main issues from the subject material of previous years, and to hold a general review for deeper repetition of questions directly related to the next material of the new academic year program. In order to perform these repetitions in good quality, it is appropriate to use e-books and study aids if each class has a projector or each student has a tablet. In this process, we will save a lot of money and time. In our country, there are very few

general education schools that have organized such processes. But even then, the students are achieving good results.

Repetition on the topics of each subject should be done by the students themselves both in the classroom and at home. Although there are very few students who have organized such a process, we have not stopped our efforts. Decisions about what material should be reviewed in the classroom and what and how students should review it at home should be based on the characteristics of the material. The most difficult material should be repeated in class, and the less difficult or not difficult ones should be assigned for independent work at home. In addition, nowadays we are using these opportunities with our users widely spread on the Internet, social networks and special sites of the Internet.

## **Current repetition of previous topics.**

In the process of learning new material in each of our subjects, for example, in elementary mathematics, repetition and repetition is a very important point in the current system. It helps to establish a connection between the new material and the previous material on these topics.

Current repetition can be done in connection with the study of new material.

In this case, the subject material is repeated, naturally connected with new material. Here repetition is an integral part of the new learned material.

For example, every teacher should explain addition and subtraction of algebraic expressions in math class. While preparing for the lesson, he remembers the following rules in his mind:

- Rules for applying short multiplication formulas;
- Rules for adding and subtracting algebraic expressions.

The task of the teacher is to organize current repetition through oral repetition, to restore in memory the rules forgotten by students. Remembering through visual aids.

To do this, he does the usual but premeditated thing - he does it by talking and asking the students a series of questions. For example, you can ask questions like:

1. How to add literal expressions?
2. How are literal expressions subtracted?

If there are computers and projectors in our classrooms, for teachers -

With his questions, the teacher activates the ideas previously accepted by the students, organizes them and prepares the students to understand the new rule.

Under the guidance of the teacher, the students repeat the necessary material on the topics they learned earlier in the lesson. As a result, new material on the subject is easily understood by students.

Based on our observations and experiences, I was interested in how our future generations will memorize the word of Allah, namely the Qur'an, since Muslims make up a large part of the population of our country. As a result of my research, the people who have the best memory for our future generations, i.e. my youth, divide one page of the Quran into three parts, repeat each part 300 times and read the entire page 300 times, a total of 1200 times. Our future elders and elders have been doing such things since the 14th century.

In our country at the present time, multimedia has a great importance in repeating the learned knowledge. Until today or until the development of smartphones and the Internet, how did students, teachers and students repeat? Until this time, people have been using various methods of repetition as we know it for a long time or history. Such methods have been used by humanity for a long time. In the 21st century, that is, by the age of information technologies, each user has his own profession, and

representatives of all fields of the world are widely using it. [ ] After the introduction of optical fiber internet in our country in 2019-2020, our spending on the internet has decreased somewhat. From these years, GOOGLE and YOUTUBE and social networks are widely used to repeat any topic in every field. Multimedia and video clips in any language have appeared on YOU TUBE and internet sites for obtaining knowledge and information in every field. Since my scientific work is related to the field of education, I have not developed the ability to independently complete each assignment. Multimeida has a great influence on the repetition in the field of education. Because a person is an initiator. [ ] So the user is looking for work on the INTERNET network YOU TUBE to repeat and strengthen knowledge in the field of education and knowledge. Children or students want to learn in a short period of time, but they do not want to strengthen their knowledge from their smartphones (EDUCATION). Currently, the strongest evidence is showing the best teaching methods on the YOU TUBE network. For example, I am a mathematics teacher uses VIDEO and MULTIMEDIA lessons on all topics of mathematics textbooks in TELEGRAM, INSTAGRAM groups and YOU TUBE channels in social networks. It is being used to repeat the quality of lessons from such online classes. [ ] Especially in the next 2-3 years, after the price of INTERNET became much cheaper in our country, they are widely using GOOGLE and YOU TUBE platform. In this network, mainly people related to education and VIDEO and MULTIMEDIA classes of all fields are posted. First, the video posted on the YOU TUBE platform was as an advertisement. The use of the YOU TUBE platform is several thousand times cheaper than TV. By the 21st century, the best professionals of all fields of the world are presenting their experiences on their personal channels on the YouTube network and on the Internet platform. [ ] In repetition, it will be a great help to us and to the students and readers to repeat the processes of the most knowledgeable teachers, if we make a video lesson and put it in the electronic library of our university. It is possible to organize such a process. Personally, I and my teacher tested this process several times. But one of the most difficult tasks in this process is the video editing process. In order to organize this process, we need a team of at least 8 people to prepare any such work. We will not stop at this for now.

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