
To Develop Students' Skills in Completing Graphic Assignments in Technology Classes

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Abstract: The article explains how to effectively use graphics in the teaching of interesting and high-quality topics to students in technology classes in general secondary schools. It also highlights the importance of developing students' interest in technology, ability, creative ideas, creative thinking, imagination, independent work, and the ability to complete graphic assignments to quickly explore a variety of topics.

Keywords: exhibition, drawing, lesson, circle, independent study, tool, equipment, technique, definition, concept.

In order to raise the socio-economic life of the country to the level of developed countries, the comprehensive reforms being carried out in all spheres of the education system in the country have identified global tasks such as developing the intellectual abilities and knowledge of the younger generation.

Currently, pedagogical scientists and practitioners are conducting research on the development of science-based modern educational technologies and their introduction into the educational process, the application of information technology, improvement of educational and regulatory documents, effective use of visual aids, technological maps.

The effectiveness of education is further enhanced by developing the creative potential and abilities of students, increasing their pedagogical-psychological, physical, moral, creative, willpower in the idea of developing their research skills and abilities.

Teaching them to think freely, independently, is not a process that takes place in a day or an hour-long lesson, but rather a process that takes place gradually over the years under the influence of various factors. Modern machines, sewing machines and an important factor in increasing the effectiveness of education in explaining their external and internal structure through drawings, diagrams, in teaching students to solve problems independently. In particular, the educational process should be organized in such a way that, in addition to the formation of knowledge and skills in students, the teacher of technology should become an equal partner of the student in the educational process. A number of publications, textbooks, manuals and manuals on the new methods of improving the methods of teaching theoretical and practical lessons have been published. partial or insufficient resources have not been provided.

With the introduction of information technology, modern forms of education and the development of technology in the educational process, some changes or additions may be made to some parts of the structure of machines, sewing machines, drawings and mechanisms. In this case, the teacher must have sufficient professional skills to teach students to read and understand drawings, to draw drawings and graphics, in order to form a sufficient understanding in the minds of students. In assessing students, the teacher who has studied

them should pay attention to the formation of knowledge according to their skills. The application of modern pedagogical technologies in the educational process requires continuous research to increase the effectiveness of education in the performance of tasks with sufficient use of graphics in technology lessons. Although the textbooks of technology science do not provide enough information on the implementation of tasks based on graphics, to explain and teach students their types, the science teacher should prepare visual aids, handouts, technological maps on the types of graphics. The science of technology is directly related to other sciences, especially the science of drawing. It will also be necessary for the technology teacher to prepare additional materials on the types of diagrams provided in the technological maps in accordance with the topics of the course and to increase students' interest in learning the topics.

In order to solve the problems facing the education system in today's innovative processes, students will be able to learn new information, learn the principles of working techniques and technologies, evaluate their own knowledge, make the necessary decisions, become independent and free thinkers. In teaching the effective use of modern techniques and technologies, it is important to teach students from simple mechanisms to mechanisms with a complex structure, explaining the individual appearances of parts, parts of objects, and drawing graphs.

When teaching students from simple to complex types of graphics in technological operations, the teacher must teach them the process of reading, imagining and working with graphics, disassembly and assembly of objects, as well as methods of performing thematic tasks in order to gain practical skills.

It is advisable to be clear about the methods used in the lesson, the range of tools, and to determine in advance which of the diagrams is appropriate. Another pedagogical and psychological requirement for the lesson is that the teaching material should be systematically implemented, from simple to complex, taking into account the age characteristics and abilities of students. In addition to individual or frontal organization with the student in the use of graphs according to the type of topic studied, group forms such as group work of students divided into several groups performing the same or different exercises in the classroom are also used. With this in mind, the use of graphs in the effective use of techniques in the effective use of techniques by attaching a low-level learner to work with a gifted learner will help to facilitate the mastery of practical exercises using technological maps. In the future, each student will not face complex obstacles in the individual performance of practical and independent work, assignments. This process can be done by the learner himself or with the help of the teacher-educator. The learning process is based on different methods.

In the formation of students' skills in drawing tasks, it is important that the teacher effectively uses modern methods and teaching aids, computer programs to teach the structure, shape and graphics of objects given in the subjects of technology lessons.

Advanced pedagogical technologies in technology classes, modular teaching, didactic game teaching, interactive, interactive, innovative and information technologies in modern methods, application of problem-based learning in the educational process, as well as practical training with the use of graphics intended to achieve the goal. The purpose of teaching a teacher to perform tasks related to graphics is to provide a broad and in-depth knowledge of students in a short period of time through teaching methods, focusing on the formation of skills and abilities and their independent acquisition of knowledge and skills.

Today, there are more than a hundred types of interactive methods used in the classroom, the main ones of which are used in teaching all subjects in education. Examples of interactive methods used in education are: “SWOT”-analysis method, “Keystad” method, “FSMU” method, “Concept analysis” method, “Venn” diagram method, “Problem-based learning” method, “Brainstorming” method, “Independent work” method, “Debate” method, “Research” method, “Cluster” method, “Insert” method, “Why” method, “Step-by-step” methods and others. It also effectively uses the method of oral narration, visual method, reproductive (retelling of acquired knowledge), research, practical, independent work methods, inductive, deductive methods of education. However, in technology classes, the importance of new methods in the study of the performance of tasks using graphics in the study of topics. For example, in 9th grade, when we take the subject of technology as an example, in teaching the process of making parts of objects using diagrams given in the technological map, students not only do practical work independently, but also independently understand the sequence of making any product. is formed. In this case, it is important to perform tasks using diagrams to easily understand the process of cutting, cutting tools, joining parts, sewing in the stages of preparation of details on wood and metal processing, sewing and other topics.

For the first time in technology classes, sewing machines are used in hand stitches, sewing machines for sewing strong stitches and processing the details of the product being sewn, universal, special sewing machines with different operations and their devices. In particular, modern sewing machines, which are currently produced in a number of factories around the world, are delivered to the national economy and production on the basis of automated, computerized technologies. At the same time, educational workshops of universities, vocational colleges and general secondary schools are equipped with such modern automated machines, sewing machines. One of the most effective ways for a teacher to prepare for the work process of sewing machines and use them in practical lessons is to improve their pedagogical skills in the performance of tasks with sufficient use of graphics.

The teacher should highlight the extent to which the topic is understandable to students in the following categories, depending on the level of complexity of the lesson: knowledge, understanding, application, analysis, synthesis and evaluation. At the same time the student learns about the importance and latest achievements of technology in the development of production, the structure and operation of the main mechanisms, the basic symbols used in the technique, schemes, drawings, projects and design basics of various materials processing technology.

It is known that the formation and development of this or that quality in students does not take place in a space of its own. This requires the existence of certain conditions in general secondary schools. In particular, the development of students' interest in modern techniques, their ability to learn and perform tasks that serve to develop skills of independent work include:

- be able to express themselves creatively;
- -imagination;
- -individuality;
- -independence;
- -existence of interest;
- set goals for themselves;
- data processing;

- Carrying out small researches;
- be able to read drawings and graphics;
- One of the main tasks of education is to promote new ideas and ensure easy understanding of techniques and technologies. Therefore, in the process of education, the teacher's ability to motivate, inspire students, to promote new ideas ensures the consistent development of creative qualities in them. At the same time, if the teacher is given homework to draw more independently to remind students of their achievements, extracurricular activities and extracurricular activities in the classroom, they will be able to remember many mechanisms and will be encouraged to evaluate control work.

In short, the more students are taught the science of technology, the more they use modern techniques, the more they learn new types, the more they change their worldview and develop, the more creative their ability to perform technological processes. This is because the theoretical knowledge acquired by the student develops the ability to imagine, understand, analyze, comprehend the original forms of practical tasks in the assessment of the step-by-step study of technological operations of products made using techniques in practical training.

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