

THE PROCEDURE FOR EQUIPPING THE BIOLOGY ROOM IN GENERAL SECONDARY SCHOOLS

Aliyeva Mavjudakhon Bakhromjon girl

Otajonova Sarvigul Ravibjonova

Kokan State Pedagogical Institute, teacher of the Department of Biology

ABSTRACT

The requirements for the equipment of the biology room in schools of general secondary education have been changed along with the current modern technical equipment, as well as pedagogical, sanitary-hygienic requirements. It was concluded that the transformation of these requirements is important for the development of creativity in the teaching of biology.

Keywords: Biology room, laboratory, equipment, requirements.

INTRODUCTION

In today's modern education, the need to provide schools with teaching and laboratory equipment, computer equipment, textbooks and educational materials is more urgent than ever. By strengthening the material and technical base of the general secondary education school, it is necessary to organize the biology room based on the requirements of the times in order to provide practical support to the process of formation of knowledge, skills and competences in accordance with the requirements of DTS. It is advisable to choose the last room close to the lake. Because nature museums and exhibitions can be organized in these places.

The orientation of the windows of the classrooms should be on the southern, eastern or southeastern sides of the horizon.

There should be light on the left side of the room. In two-way lighting of an office room with a depth of more than 6 m, a right-side lighting device is required, the height of which must be at least 2.2 m from the floor. It is prohibited to block light openings (inside and outside) with equipment or other objects. Large plants or plant shelves should not be placed in windows. The light openings of the closet should be equipped with adjustable sun protection devices, such as curtains, light-colored fabric curtains that match the color of the walls and furniture. The biology room should consist of 2 rooms: a classroom, a laboratory, and a living nature corner.

The biology teacher is responsible for the necessary equipment of the biology room.

The biology room is focused on the following main tasks:

- to provide equipment necessary for the organization of the educational process in order to increase the effectiveness of education; use of technical means of teaching in lessons and other forms of educational process;
- use of control programs of EHM in determining, controlling and evaluating students' knowledge;
- provision of necessary equipment for conducting classroom and extracurricular activities in biology;

The biology classroom is equipped with the necessary furniture and special equipment: a blackboard, a teacher's desk and chair, a display table, a desk and chair for students, separate cabinets for storing preparations and samples. Aesthetic requirements should be given importance. It would be appropriate if the history of evolutionary development of flora and fauna, portraits of prominent biologists are placed in the room. All the equipment of the biology room should be adapted to conducting experiments, practical work and observations during the lesson, timely presentation of tables, video film slides, distribution and collection of materials and tools during practical work. This, in turn, allows you to store educational materials in a specific system, quickly find and prepare them for use in the lesson. All this develops the culture of organizing educational work in students.

The laboratory room is an integral part of the biology room. It mainly stores educational visual aids, tools, utensils, that is, all the manuals needed to organize the teaching process. Audio and videocassettes, videodiscs, didactic materials, instructions and instructions for conducting laboratory and practical training are all included in the system of bibliographic cards compiled on a certain topic. In addition, necessary materials for conducting experiments are prepared on the table in the laboratory room, exhibitions are repaired. There will be a water faucet on the table. It is used for washing dishes.

In addition to the biology teaching room, the laboratory room, it is necessary to organize a corner of living nature. In the living nature corner, it is useful not only for keeping living plants and animals, conducting experiments on them and demonstrating them in classes, but also for doing activities outside the classroom. A living nature corner can be organized near the biology room as much as possible.

Effectiveness of biological education in general education schools depends on conducting lessons, extracurricular activities, excursions, which are forms of organization of the educational process. The organization of these trainings at the required level depends, first of all, on fully equipping the biology classroom, laboratory, living nature corner.

The academic subject of biology is mainly a science that provides knowledge about living organisms. Teaching the subject of biology based on the requirements of DTS requires the creation of a material base that allows training on living organisms based on the use of demonstrative and practical methods.

There are general requirements for the use of educational equipment in the biology class.

1. Pedagogical requirements:
2. Safety and hygiene requirements for the biology room:
3. Aesthetic requirements:

Each piece of equipment placed in the room, as well as their elements and general appearance, should meet the laws of beauty, and the education of students' artistic taste should create a sense of satisfaction in both the student and the teacher.

The main part of the material basis of teaching biology is the corner of living nature. It has rich opportunities to expand students' interests in biology.

The corner of living nature is initially organized by students in the biology room, on the windows of the classroom

In the living corner, the study of biological properties requires long-term careful observations and experiments. Such plants are dug up with the soil during the excursion and planted in smaller pots.

Living nature corner is also a workplace for young naturalists. Here, young naturalists conduct observations, write down their results, prepare food for animals, make and repair various devices.

In conclusion, not only the lesson processes, but also the laboratory exercises and the corner of living nature, which increase their interest, play an important role in the students' mastery of biology science at an excellent level.

REFERENCES

1. Tolipova J, Gofurov, Biology education technologies.
2. N.N. Azizkhojayeva. Pedagogical technologies and pedagogical skills. Tashkent-2006.
3. B.S. Zhumagulova, Collection of scientific works. 209, 16-30 (1983)
4. L.A. Kiselyova., Theory of speech influence (LSU, 1978)
5. L.M. Makarov, Procedural component of a speech situation. Speech acts in linguistics and methodology. Interuniversity collection of scientific works (Pyatigorsk, PSPIFL, 1986)
6. https://uz.wikipedia.org/wiki/Natural_sciences