



FORMATION OF PERSONAL QUALITIES STUDENTS BY WORKING ON PROJECTS LIKE PROBLEM OF ACMEOLOGY*

Neli Dimitrova

KONSTANTIN PRES LAVSKY UNIVERSITY SHUMEN; 115 INIVERSITETSKA STR.
9712 SHUMEN;

e-mail: nelidimitrova@yahoo.com

ABSTRACT: Modern way of life requires a change in the educational system. This calls for new approaches to education. For this purpose there should be well prepared and highly qualified teachers. Need usavarshentsvane the professional activity of teachers requires a change in the training of teaching staff in the university. Razi solving task requires a new structural approach to quality educational training of young specialists.

The purpose of this research is to form personal qualities that enhance the professionalism of the students - future teachers of technology education by working on projects like problem of akmeology.

KEY WORDS: Working on projects, learning students, acmeology

INTRODUCTION

Modernization in contemporary life changes are necessary in any educational system released to meet the contemporary requirements. Aspiration is to school an attractive learning environment, not stereotypical and boring. This can be achieved by the introduction of new methods of training. For this purpose there should be well prepared and highly qualified teachers. Need improvement the professional activity of teachers requires a change in the training of teaching staff in the university. Solving this task requires a new structural approach to quality educational training of young specialists. Because the professional

activities of a teacher is not only “turned into a profession occupation, and as high skill” [9, 707].

All this is the subject of research of the relatively new science acmeology.

Based on this trend, this research was designed, whose *goal* is to form personal qualities that enhance the professional activities of the students – future teachers of technology training by working on projects like akmeological problem.

To achieve the objective tasks are solved following *tasks*:

- To research and systematize the theoretical formulation of the administration of the project approach in the training of students.

- To develop and approve a system of projects in the course "Methodology of technology education" III course taught in the curriculum of Bachelor students.

- To form personal qualities in students by working on projects that is criteria for their high level of professional activities.

The *hypothesis* of the research is that if the training of student teachers in a technology education in applied project approach will be formed such personal qualities that can be criteria for their higher level of professional activity. They will reach their acmeological level of development.

The *object* of this research was student-teachers in technology education.

The *subject* of research is the process of forming personal qualities in students by working on projects that is criteria for their professional activities.

Science "acmeology" is a branch of psychology and the relatively new scientific knowledge.

The etymology of the term "Acmeology" is of Greek origin of the word "acme" - which means "peak". So acmeology is a science that examines the regularities and mechanisms that provide opportunities for every individual to reach its peak of development [4, 6]. She studied the laws and principles of human potential when reaching its highest level of development.

First acmeology concept was introduced by N. Ribnikov in the 20 years of XX century [2], but only in

the last two decades is the subject and object of research of many sciences.

Depending on the scope acmeology is separate into different types - pedagogical, managerial, political, military, and medical and others. But for the purposes of this research is dealt only pedagogical acmeology.

RESEARCH PROBLEM

Acmeology applied in teaching activity requires the use of three main approaches to the education of students: person-centered approach, competency approach, problem-based approach.

One of the activities which require the application of all three approaches in the aggregate is to work on projects. Because work on the project out a certain idea (concept), subject to the specific goal to be achieved under specified conditions [7, 8, 10, 11]. Thus are making different personal qualities that are subject to certain powers and based on a problem.

Project work in the training of students helps to create a work environment that motivates self-seeking, processing and analyzing information [1].

Project work allows students to integrate their knowledge from different fields to apply them in practice and reach new knowledge, ideas and material values in solving a problem.

According to different authors in different ways defines project work:

- According to Yu. Shafrin project work is defined as a belief

- system in which students acquire knowledge in the planning and execution of sequential complicating assignments called project [12].

- According Zdr. Lisiyska project work is a series of interrelated events that occur in the set bounded by time period and focused to achieve unique and at the same time with a (particular) score [5].

Work on projects such as acmeological problem is characterized by the following features:

- developed in conjunction with a specific pedagogical concept and is based on a particular methodology;

- measures are implemented in accordance with the purpose and take the form of expected results ;

- a phased planning and consistent implementation of the elements of the educational activity ;

- are formed in addition to organizational skills, but also communication skills and teamwork;

- used diagnostic procedures contained criteria, indicators and tools for measuring performance.

Based on this work on projects in the education of the students raise their number of personal qualities reflected in Figure 1.

Based on this work on projects in the education of the students raise their following personal qualities:

- Organizational skills - characterized and skills for selecting and planning work.

- Purposefulness - precisely and clearly pursuing the goal of achieving the end result.

- Persistence - development of volitional qualities and perseverance to achieve the goal encounter difficulties to solve it (in search of information, research the problem, develop their ideas).

- Accuracy and precision - expressed the exact tasks of the project and generally meeting the deadline for their implementation.

- Independence - the ability to independently operate.

- Discipline - subject to certain and established rules for project work.

- Sense of initiative - implementation of own ideas to achieve the defined goal.

- Communication skills - ability to communicate in a group, developing behavioral properties falling into conflict at work.

- Sense of responsibility.

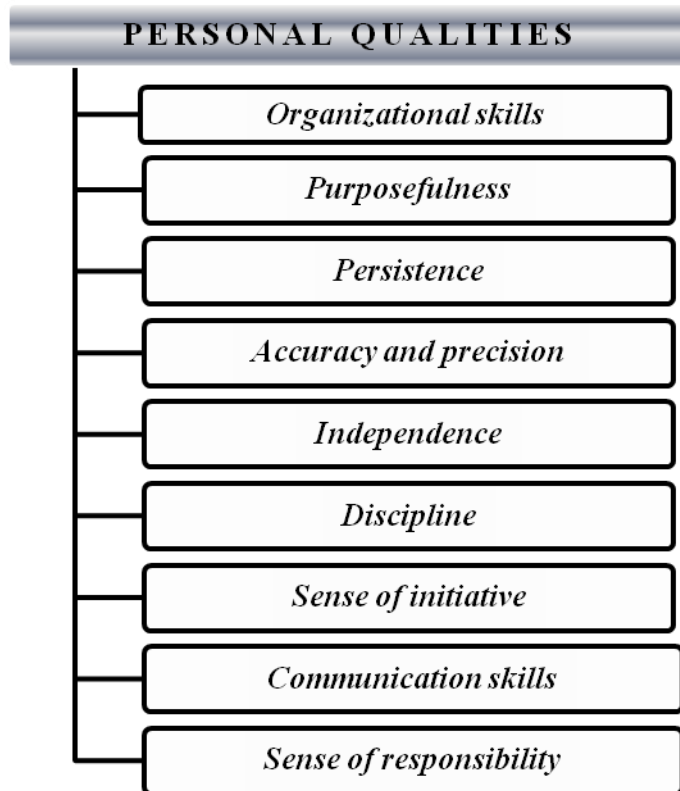


Fig. 1 *Personality qualities of students formed through project work*

The main activities of the students and the teacher when working on projects include:

Table 1 *Main activities of the students and the teacher when working on projects*

ACTIVITIES OF STUDENTS	ACTIVITIES OF TEACHER
<ul style="list-style-type: none"> - Self-searching and processing information on a specific problem to solve. Formulation of the objective of achieving the desired result. - Project planning - determination and the steps to achieve the final result. Determining achievable, specific, measurable and time constraints. 	<ul style="list-style-type: none"> - Consulting. - Creating the conditions for trust and goodwill in the group. - Encouraging individual initiative of each student.

<p>- Implementation of the project - looking for information and materials to address the specific tasks of the project and preparation of the project.</p> <p>- Presentation of the project - a presentation and analysis of the work done. Assessment and self-assessment of the activities of the team that developed the project.</p>	<p>- Targeting positive behavioral patterns of relationships between team members.</p>
---	--

METHODS

To achieve the objective of the present research, the following methods:

- **Theoretical approach** – research and analysis of publications on the problem. Used to identify any developed theoretical formulations of the problem of collaborative work in the teaching process and to determine on what theoretical basis will build educational technology for projects such as acmeological problem in the training of student teachers in technology training . The analysis of the publications provides the theoretical basis for solving the problem set out in the purpose and hypothesis of the research.

- **Modeling method** – used in the development of projects that students work on the course “Methodology of Technology K9 – K12”.

- **Statistical methods** - processing the results of the tests.

RESULTS AND DISCUSSION

Results of pedagogical research on the use of “project work” in training are subjected to statistical

analysis. Pedagogical research is realized within one semester on “Methods of Teaching Technology K9 – K12”. It passes through three stages.

The first and third stages of the research were identified. Their purpose is to identify what personal qualities have students from those that form when working on projects described in Figure 1.

The first stage is the beginning of the semester. Students are given control tasks, which are constructed on the basis of their knowledge obtained from the previous semester “Methodic of training for technical and technological activities K1 – K8”. The third stage is at the end of year school again given control tasks to students. These tasks are constructed on knowledge of the subject "Methodic of education technology in K9 – K12."

In both phases the tasks must meet the same conditions have the same complexity and at the same time to solve. Thus, the evaluation criteria for these tasks are precisely personality qualities by K1 to K9:

- K1 – Organizational skills*
- K2 – Purposefulness*
- K3 – Persistence*
- K4 – Accuracy and precision*
- K5 – Independence*
- K6 – Discipline*
- K7 – Sense of initiative*
- K8 – Communication skills*
- K9 – Sense of responsibility*

Subjects in this research are chosen because the competencies that form the students in their research are upgrading.

The second stage of the research is formed. Its purpose is to form students a number of professional competence and personal qualities that give them strong professional orientation which reach their acmeological level of development. This stage is realized through project

work. During the classes, the students are working on a system of projects. This provoked the interest of students in the field of study and form the knowledge and skills related to their upcoming job. Because project work helps create a work environment that motivates self-seeking, processing and analyzing information [1].

Pooled results from the first and third stages of the research are presented in Figure 2.

From the figure 2 it is apparent that the resulting data in the third stage of the research show growth results. This means that work on the project is a good way (method) to form student’s personal quality and enhance their professional competence.

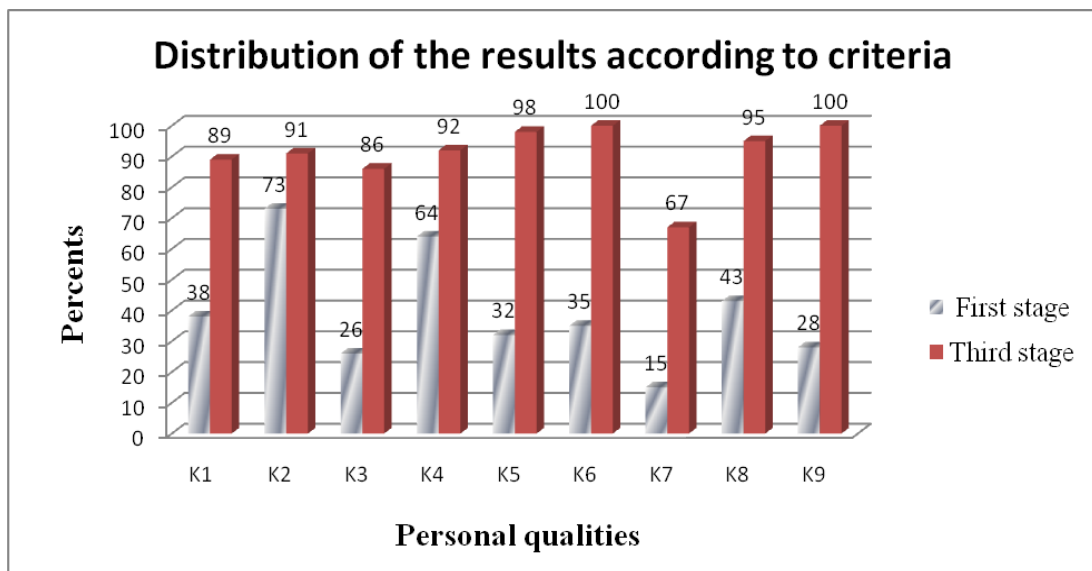


Fig. 2 Results of the research

CONCLUSION

Based on this research can be the following conclusions:

- Work on projects reliable method for the formation of personal qualities in students, as well as criteria for developing the intellect of a person.

- Work on the project was established as one of the main activities in achieving the quality of education as a set or system of activities in which students acquire knowledge, skills and competencies in the planning and execution of certain tasks.

- Statistical analysis of the data can be used the Delphi method "It is very adaptable research method used in many aspects of scientific knowledge" [3, p.26]. This is method which is used in the future for predict a plan. Through its application can be predict the activity of students, when already become teachers and build their careers. Application of the Delphi method is subject to presentation in subsequent publications.

* This research was funded project RD-05-288/15.03.2012 on "Educational technology in technology education" to fund "Science Research" in Shumen University "Bishop Konstantin Preslavski"

REFERENCES

1. Dimitrova, N., Project work as an educational technology and element of acmeology in the learning students. Journal Scientific and

Applied Research. Volume 3, 2013, pp 60-68

2. Acmeology. Textbook in general. order. Derkacha A. A. - Moscow: Rags, 2002

3. Ilieva, S., Delphi method. Sofia, 2011

4. Kuzymina, N., S. Pozharskiy, L. Pautova, Acmeology kachestva professionalnoy deyatelnosti specialista SPb., Kolomna, Ryazan, 2008

5. Lisiyska, Zdr. Osnovi na dizayna – istoria, teoriq, metodika. Pirin-print, Bl.,1994

6. Ministerstvo obrazovaniya I nauki Rossiyskoy Federacii FGAOU VPO «Rossiyskiy gosudarstvennyy professionalno-pedagogicheskiy University» Pedagogicheskaya akmeologiya. Kollektivnaya monograph. Yekaterinburg RGPPU 2012

7. Nikolaeva, S., Socialna rabota po proekt. S. 2001

8. Petrova, V. Rabota po proekt pri zapoznavane s prirodната I obshtestvena sreda v I – IV klas. St. Zagora, IK „Kota”, 2003

9. Rechnik po psihologiya. DI Nauka I izkustvo, S. 1989

10. Simon, P., Prakticheski narachnik za rabota po proekti. Bit I tejnika. Varna, 2006

11. Hegediush G. Pedagogika na proektite – strategia za razvitiето na kreativnostta. Nachalno obrazovanie, № 1 2007 pp. 38–43

12. Shafrin, Yu., Osnovy kompyuternoy technologies. - 3 ed. ABF, Moscow, 1998, p. 656