**Scientific research work in the modern conditions**

A number of changes took place in the sphere of education in recent years. New forms of general education institutions and programs appear and begin to develop. One of the important task of the secondary vocational education in the modern conditions is to prepare specialists, capable to acquire and deepen their knowledge, to improve the theoretical and professional level and take an active part in the update of society. For these purposes colleges take actions aimed at increasing the effectiveness of the educational process and scientific research.

To prepare good specialists we should pay attention to the development of theoretical abilities of students directed to the formation of independence.  
Despite of the variety of methods of education and technology, the question of the optimization of their application is still important now.

The important condition of the man’s survival and work in the world of information is having the method of scientific knowledge of the world and research style of thinking. If you want to see the activity of the student, the teacher should solve a number of tasks to form a creative impulse in the student's mind. And then it’s necessary to teach him principles, methods and forms of scientific research. It is also necessary to give the student the opportunity to self-actualize.

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Goals and objectives of educational and scientific research

---- assistance to students in mastering the profession

--- development of creative initiative in solving practical problems

--- desire for research activity, the aspiration to find non-standard solutions of problems

--- expanding of theoretical horizons and scientific erudition

--- method of scientific study and a creative development of the educational

--- formation of research skills and possession of methods and means of

scientific and practical tasks, the introduction with the methods of organizing

work in creative teams

--- formation of skills for working with scientific literature

--- selection and training of gifted students

--- popularity of scientific knowledge and achievements