

TECHNOLOGY FOR DEVELOPMENT OF CREATIVE THINKING SKILLS OF PRIMARY CLASS STUDENTS IN NATURAL SCIENCE TEACHING

Orolboy Kulmominov

We Sweat State Pedagogy Institute " Primary Education

Methodology "Department Teacher, Termiz, Uzbekistan

E-mail: qulmuminovorolboy@gmail.com

Tel.: +998995265624

Abstract:

In the article, the relevance of teaching natural sciences, the methodical system of developing the creative abilities of students on the example of natural sciences, the development of the qualities and thinking of students today, such as creative thinking, conscious attitude to the surrounding reality, involvement and social activity, high spirituality. It is thought that the development of a well-rounded person as an important factor in raising a healthy generation creates the need to use advanced pedagogical and innovative technologies on a large scale starting from the primary education system.

Keywords: natural sciences, creative thinking, creativity, critical, independent thinking.

Introduction

Today's in the day whole in the world passing globalization each in the process in the field advanced affairs done is increasing this of the time he is demanding. Young generation in every field I'm sorry. Because our society information to the flow Rich[1]. Comprehensive as our society demands mature, perfect a person brought up in cultivation of the teacher place is incomparable. Personnel preparation National program done in raising young to generation deep knowledge giving , thinking scope wide , professional to skills have was, legal democratic society members free and free to live , independent thought to conduct to teach will receive high qualified experts preparation main task by doing defined. Time intensity with changed will go education the field is also with him equal to will change. Uzbekistan education 2021-2022 academic year in the system from[2].

Theyear starting from 1-6 - in classes natural sciences in itself collected Natural (SCIENCE) sciences current done Natural (SCIENCE) sciences the same at the time by teaching In the 1st and 2nd grade of the bride " Around us universe Natural science " in 3-4 grades , higher in classes and 4 separate ones sciences , geography , biology , physics (from the 6th grade) , chemistry(fromthe 7th grade from) sciences in itself unites[3] Natural (SCIENCE) sciencesadvantages and importance from that is that through science student of the universe whole, inseparable , one wholeness understands , scientificoutlook is formed, research skills develops. And thisownin turnsuch as PISA, TIMSS of students international in studies successful participation reach opportunityincreases. Today in the day education field in developmentour countryby also separatelyattentionbeing directedour presidentAccording to Sh.M. Mirziyoyev's decree No. 5712 [1].of studentsnaturalliteracyqualityin terms ofnewto stageraising ,talim to the process of teaching innovative form and methods current reach in order to education quality of assessment national system Create dutieset given[5].

Research Methodology

The article is covered on the basis of pedagogical principles such as comparative-critical study and analysis of scientific, educational-methodical literature on the subject, coherence and continuity, and the issues of developing students' creativity in teaching natural sciences are researched.

Analysis of Literature on the Topic

Among the leading pedagogues and psychologists of our country, scientists such as Sh.Abdullaeva, D.N. Arzikulov, E.G'oziyev, M.G.Davletshin have researched the psychological aspects of creative activity and creative thinking of a person, while E.O. Turdikulov, B.X.Xodzhaev, Scientific- studied in research studies[4].

Analysis and Results

It is known that creativity is one of the main categories that ensure the effective activity of a person, and a creative approach to the educational process serves to develop the quality of students' knowledge acquisition based on their creative activity. Also, creativity as a personality-developing category is an integral part of human spirituality, a factor of self-development of a person, the basis of personal vitality[6]. It is manifested not in the versatility of knowledge possessed by a person, but in the pursuit of new ideas and the reformation and change of established stereotypes in the process of creating new things, in the process of solving life problems, in making unexpected and unusual decisions.

The concept of " creativity ". in itself cultural diversity reflection makes _ West people for creativity in general news _ _ Create is considered They are creativity basically unconventionality , curiosity , imagination , humor feeling and freedom there is to be attention they look East scientists and , on the contrary , creativity of goodness again birth they understand that the process Although western and of the orientals creativity regarding views differently although - but both _ culture representatives are also mentioned quality and to him ownership high evaluate[7].

Creativity person developer category as a person of spirituality indispensable part being a person self developmentfactor , person have has been of knowledge

Pedagogical creativitywhile pedagogical the process organize reach during unusual , creative and productive ideas Create and of them efficient from use consists of Traditional from the approach different respectively pedagogical to the process creative approach surface coming pedagogical problems positive the solution to find and education process participants activity efficiency to provide service does[8].

In the development of creativity in children, it is necessary to pay attention to the following:

- 1) encourage them to ask a lot of questions and this habit support;
- 2) encouraging children's independence and increase their accountability;
- 3) independent activity by children creating an opportunity for organization;
- 4) paying attention to children's interests .

The following factors hinder the development of creativity in a person:

- 1) avoiding risk;
 - 2) allow rudeness in thinking and behavior;
 - 3) underestimation of personal fantasy and imagination;
 - 4) subordination to others;
- thinking only about success in any case[9].

Years during of a person one how many in the fields creative of perfection importance and his analysis about many books to the body came _ This written in the literature given to definitions according to , creative perfection known social to the field relatively new and It is considered useful . Education in progress while creative approach to its " daily " form has For example , it is writing , drawing , music or " art". another of the fields expressive activity , new knowledge and concepts harvest do , or different open kind of to questions creative solutions to find through manifestation will be Education in the process this such as creative training many disciplines with connected being art and like natural science traditional sciences only with limited won't stay PISA, PIRLS and TIMSS 2022 studies from the students to be expected creative thinking processes is directed[11]. This is it international project only creative individuals separate to receive the goal does not, on the contrary students ideas search and in expression creative thinking ability and this of ability teaching approach, school activity or education system another features with how dependence describes[12]. PISA, PIRLS and TIMSS international of research forward put main purpose of students education policy and in pedagogy obvious the result giving creative thinking to the skill about international scale comparative data with from providing consists of[13] That's why for , mean being held creative to think skill education get through formation , education in the process creative thinking of skill different possibilities sure showing to be given and appraiser in assignments of students appropriations with connected be, in assessment cover received content fields common medium education in their schools teachable sciences with closely connected to be , test assignments students by, too in class also from class outside executable to training near to be with together creative achievement and success which provides level reliable to be need[14-20]

Conclusion

Creative thinking involves not only looking at the problem from a technical point of view, but also from a social point of view, understanding and taking into account the needs of others in finding solutions to the main problems, whether personal problems, educational problems, larger scale or global problems. includes. Creative thinking in this area depends on the ability of students to come up with innovative, yet practical solutions, to put forward ideas with emotional content, to distinguish patterns and assess the needs of a particular group, and to show sympathy for the opinions of others.

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