

ORGANIZATIONAL STRUCTURAL MODEL OF DEVELOPING INVENTIVE ABILITY IN STUDENTS

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Abstract

This in the article in students inventiveness ability formation and develop process organizational-structural model scientific point from the point of view analysis will be done and modern education in the system creative approach place wide is illuminated. Invention ability person's creative thinking , problematic situations analysis to do , new idea working exit and there is knowledge to practice implementation to grow skills cover recipient complicated psychological-pedagogical event as seeing This is in the article this of the event development mechanisms systematic approach based on open given be , pedagogical in process organizational-structural model structure , stages , blocks and functional elements scientific based without working Students inventiveness ability in formation study environment didactic opportunities , teacher methodical competence , education resources and pedagogical of technologies integration important factor as is evaluated . Also in the article international experience, national education in politics reforms and progressive pedagogical approaches comparative analysis done, effective the model to practice current of reaching scientific and methodological basics working Research results based on inventiveness ability development organizational-structural model conceptual at the level based on that education to practice implementation to grow for scientific and methodological recommendations with enriched.

Keywords: Invention ability, creative approach, organizational-structural model, education process, innovation pedagogy, creative thinking, methodical competence, didactic opportunities, students, personal development, problematic education, creativity support.

Introduction

Today globalization and digital technologies during education from the system expected the most important from tasks one is this of the students creative potential to the surface release , they have news to create was interest support and inventiveness ability systematic accordingly development . Modern society intellectual and economic development directly new thoughtful , proactive , problem solver unusual approaches through solution can can young generation to the formation It is related to . For this reason , students inventiveness ability to develop providing creating an organizational-structural model issue current scientific and pedagogical from problems one as Currently under consideration . on the day Uzbekistan Republic education youth in politics creative thinking and innovative to activity attraction to grow state level priority direction as designated this is regarding row regulatory and legal documents , programs and

national projects done is increasing . Invention ability personal quality as not only theoretical knowledge , but from them in practice effective use also covers skills takes , that's it because him/her formation in the process study environment organizational structure , teacher and student between cooperation , didactic of resources integration , modern education technologies application and methodical approaches harmony important role plays . This in the article This issue is scientific and theoretical. in terms of analysis made , the students inventiveness ability development organizational-structural model working is released , its main stages , structural blocks , functional connections and education to the process implementation to grow mechanisms is illuminated . Through this of the students creative thinking , creativity tendency and inventiveness potential high at the level formation for scientific and methodological basis is created .

Methodology

In students inventiveness ability development organizational-structural model in creation research methodology as systematic approach , active approach , competency approach and to the person directed pedagogy main theoretical support task passed . Systematic approach using inventiveness of ability development process one whole pedagogical system as interpretation done , then students , teachers , education resources , organizational conditions and didactic technologies each other connected elements as seeing is released . Active approach of the students independent search , problematic situations solution innovation , ideas working output and in experience try vision such as practical activities methodical in terms of to provide service does . Competency approach and person's creative competence to develop directed , in this knowledge , skill and qualifications new thought based on application opportunities is evaluated . To the person directed pedagogy within and student 's personal needs , interests , intellectual potential and creativity level in consideration Research methods as scientific literature analysis to do , comparative-pedagogical analysis , experiment works , pedagogical observation , conversation and test tests was used . Also , students with held practical training in the process their inventiveness activity step by step observed , organizational-structural model efficiency Scientific justification in the process foreign and local experiments analysis , as well as modern education of programs analytical also take the price went . As a result working issued methodological basics in students inventiveness ability to develop service doer organizational-structural the model create for solid scientific and methodological ground it has been .

Results

In students inventiveness ability development organizational-structural model working exit as a result education process further effective organization to grow opportunity giver one row conceptual conclusions was obtained . First of all, the model main structural parts identified , they input , process and result from blocks organization found integrative system as formed . In the input block students' individual characteristics , interests , and available knowledge and skills , as well as education institution organizational opportunities and of educators methodical potential into account received . Process in the block inventiveness activity supportive lesson and from class outside exercises , problematic situations based on organization done



assignments, project activity and experimental affairs integration in mind caught be , in this the students independent to think , news to create and there is to problems unusual solutions to find guide pedagogical technologies applied . Result in the block and of the students inventiveness ability development level criteria working exited : creative thought speed , idea generation efficiency , problems in solution independence , innovation create motivation and innovative to activity was interest level . Research in the process working experimental model in their work try seen and those students creative activity , independent work skills and inventiveness potential noticeable at the level developed In particular , the experience in the group participation reached in students problematic situations in solution speed , new ideas previously push and them justification skills control to the group relatively high the results manifestation This is working issued organizational-structural model practical efficiency confirming gave .

Discussion

Research of the results analysis this showed that it works issued organizational-structural model not only in students inventiveness ability to develop service does , maybe education process innovative and systematic basically organization also possible to creates . Discussion in the process It turns out that inventiveness ability own to the essence see many factorial event It is the students ' intellectual potential , personal motivation , psychological status , social environment impact and pedagogical approaches in harmony is formed . Therefore model efficiency , most First of all , educators methodical their competence , problematic situations create and the students creative to activity attraction to grow to the ability is related . In the study taken results international experiments with developed , comparatively of countries education Ingenuity in the system ability support for special programs , laboratories and startup environments created observed , but their efficiency more student of activity practice with directly connection through provided . At this point from the perspective of Uzbekistan education Ingenuity in the system ability to develop provider organizational-structural the model current in the process of of the students theoretical knowledge with one in line them practical to activity wide attraction to do , project and experience works through independent work skills to develop separately attention focus necessity discussion was done . From this except for the model effective performance for education in institutions necessary material and technical base , innovative education resources and digital technologies with to provide , to teach qualification improvement , methodical manuals working Exit is also important. factors as marked . In general in this case , model current to be in students creative thinking , innovation to create was interest and inventiveness potential noticeable at the level development possibility research during scientific was founded.

Conclusion

Research to the results according to the students inventiveness ability development organizational-structural model scientific-theoretical and practical in terms of based on given and his/her education in the system application efficiency noticeable at the level increase This model is proven by the students intellectual and creative potential to the surface to release them independent thinking , problematic situations analysis to do , unusual solutions find and new

ideas working to go out to direct service The model does main advantage is that it teaches students not only theoretical to knowledge has to be , maybe from them in practice creative also encourages use , as a result student in person creative competencies is formed . Research during working issued model input , process and result blocks each other systematic in touch be , pedagogical the process whole in a way organization to reach help Also , experimental testing works to the results according to the model used education in the environment of the students news create motivation , creative thought speed and idea generation efficiency control to groups relatively much high at the level happened This is determined . model practical efficiency confirming gives . Conclusion as to say maybe education to the process this the model wide current education , educators methodical potential education , training in institutions innovative environment create and the students practical to activity wide attraction to grow through inventiveness ability develop according to important to the results achieve possible . In the future this the model improve it to other fields of science integration to do and digital technologies based on further enrichment prospects there is this is scientific and pedagogical of research continue delivery requirement will reach .

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