

**FUTURE ELEMENTARY CLASS TEACHERS TECHNOLOGICAL
COMPETENCE IN DEVELOPMENT INNOVATIVE APPROACHES**

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Abstract: This in the article future elementary class teachers technological competence in development innovative approaches analysis will be done. Start drinking in the classrooms technology science teaching in the process teachers modern pedagogical method and tools use, students practical skills in formation technological competence importance illuminating given. Innovative approaches as project based on teaching, problematic teaching, interactive methods and multimedia tools education in the process application seeing is released. In the article of educators qualification improvement, innovation methods to practice current to grow roads and their education quality and students technological thinking development impact discussion Research results start class teachers technological competence in increasing innovative approaches efficiency and education process improvement for recommendations given.

Key words: technological competence, elementary class teachers, technology science, labor education, innovation approaches, pedagogical methods, project based on teaching, interactive education, qualification education, training quality, practical skills, creative thinking, learning process, modern technologies, professional development.

Introduction: Modern education in the system technology science start in the classrooms students technological knowledge, practical skills and creative thinking in formation important place Start drinking. class teachers technological competence education quality determinant main factor is considered. Because start class teacher not only training process organization will, maybe in students technological thinking shapes, technical to processes interest wakes up. Therefore, educators technological competence in development innovative approaches current to be in education new quality to the level achieve for necessary.

Start drinking in the classrooms technology science to be taught is to children technician thought, hand labor, design and create skills step by step take to go This science is a process that teaches students creative and innovative to think, to consider issues solution to do, as well as various technologies to know prepares.¹ This in stages students in students to study was interest awakening, independent thinking encouragement, creative and practical skills to form attention They look at it. That's why for technological competence – the teacher's qualification main criterion be, pedagogical of the process quality provides.

¹<https://zenodo.org/records/8039777/files/209-212.pdf?download=1>

Elementary in the classrooms technology science of teaching Benefits :

- **Students to the future preparation** : Students future technologies to the world is prepared.
- **Students creative does** : Students their own creativity abilities develops.
- **Students innovative does** : Students different issues solution in doing innovative solutions to find learns.
- **Students engineering to think prepares** : Students engineering the basics knows and application possible.

Also, young people labor and professions to appreciate teaching, social in life their importance explanation, profession about the basics (technology) knowledge harvest to do and school from the era in the child professional preparation formation also gives the opportunity.

Future elementary class teacher technology science teacher that's it first in line in itself technological competence to form big attention focus necessary.

Competence ([Latin](#) : *competeto* - I achieve, I am worthy, I am worthy)² person occupied certain knowledge, skills, qualifications complex means.³ Simple as in other words competence is learned knowledge skill qualifications hand to take ability.

“ **Competence** ” (English : “competence”) in activity theoretical from knowledge effective use, high level professional skill, proficiency and talent to be able to demonstrate represents. Competence concept initially education to the field psychological, pedagogical research as a result enter arrived concept to be modern term as applied is coming.⁴

Competence Latin word to be, Uzbek " decent ", " correct " in the language "fits " or " fits" " comes " meanings means. O' z knowledge, skill and practical experiments used without simple and complicated issues untie to take worthy if you understand it as a human being will be.⁵

Technological competence is teacher 's technology science in teaching necessary was theoretical knowledge, practical skills and creative approaches absorption This means that competence of the students technological processes understanding, work in the activity effective use for to the teacher makes high demands.

Start drinking class teacher's technological competence this is :

- technology science content deep knowledge ;

²<https://uz.wikipedia.org/wiki/Competence>

³<https://uz.goodinternet.org/uz/sections/pedagoglar/talim-va-men/kompetensiya-nima/>

⁴<https://worldlyjournals.com/index.php/Zhangiiizvlāvā/article/download/7956/12777/24018>

⁵<https://interscience.uz/index.php/home/article/download/2996/2646/7964>

- practical exercises right to be able to organize ;
- different with materials (cardboard, fabric, wood, plastic) to work teach to receive ;
- labor safety rules explain to receive ;
- school students to age suitable labor activity choice and motivation do to receive ;
- project based on work methods by hand to receive.

Competent approach ideas of VI Baydenko, VA Bolotov, VV Serikov, EF Zeyer, E. Simanyuk, IA Zimneya, DA Ivanov, KG Mitrofanov, OV Sokolova, OE Lebedev, GK Selevko, B.Abdullaeva, N.Ro'zikulova, O.Ko'ysinov, J.Usarov, U.Rakhmatov and others' scientific in their work seeing was published. This of affairs in most cases competent approach expert's adjectives and to their abilities society by new requirements appearance to be answer as considered, modern school or management structures for competent approach ideas done to increase important importance is given.

A. G. Bermus to the mind According to, “ Competence improving going person's all characteristics, knowledge, experience, in general when taken, the whole to unite all existence into a single system unites ”. “ Competence this not only person's knowledgeable that it is, maybe own knowledge continuous accordingly updated progress " maybe," says M. A. Choshanov. M. Aronov in my opinion, competence expert of known one activity for ready that indicates. Uncertain in situations activity show to take ability this competence, says O.Ye.Lebedev.⁶

Start drinking class at the teacher technological competence of formation main goals :

- ✓ in students to work was positive relationship formation ;
- ✓ practical work planning and to perform according to skills development ;
- ✓ simple technological processes explanation and to perform to teach ;
- ✓ creativity and technician thinking encouragement

Start drinking in education technology science only traditional hand his/her work to teach with not limited to, but technological processes explanation, new equipment with to work to teach yourself inside takes. Therefore start class teachers technological knowledge and skills permanent accordingly updated progress necessary. Technological competencies formation in students creativity, independence thinking and technician his/her thinking to develop help gives. Start drinking class teacher this of the process manager is, its technological knowledge and skills regular improving progress The process successful to

⁶Azimova N. E. Technology of dukhovno-nravstvennogo vospitaniya prepodavatelya profession - analnogo obrazovaniya v protesse obucheniya //Molodoy uchenyy. – 2011. – no. 5-2. - S. 117-118.

pass in providing innovative approaches current always separately attention worthy to be, them consistent implementation to grow pedagogical of activity efficiency increases.

Innovative approaches education system modernization and education to the efficiency of achievement main is a condition. Today day of the youth chosen to the field interest further increase, qualification there is boys and girls to education and to the specialty right redirect in education will reach our achievements effective to be provides.⁷

Start drinking in the classrooms innovation, first next, small aged students upbringing and education quality to increase service to do necessary. Effective innovative activity done increase for modern start class teacher his/her to oneself typical features understand it, it done increase for necessary was pedagogical skill discovery to be able important. Start stomach school training in the process active and interactive teaching from the methods use innovative is considered.⁸

Start drinking class teachers technology science in teaching innovative approaches new method and methods to apply These approaches between :

- **Project based on Project - Based Learning Learning)** – students independent or small in groups practical technological projects they create, for example, simple mechanic devices, models or hand labor items preparation. This method of the students practical skills increase and independent thinking in development effective is considered.
- **Problematic Problem -Based Learning** – for students vital or technological problems presented done, they him/her solution to do their ways This method technological thought and creative approach to develop service does.
- **Interactive methods** – games, quizzes, role to play shaped training students in science activity increases and lesson process interesting does.
- **Visual and multimedia tools** – video tutorials, animations, interactive presentations using technological processes more precisely explained, students to assimilate level increases.

Innovative approaches pedagogical the process not only more efficient does, maybe students and teachers between cooperation strengthens, that with together, to education was interest increases.

Educators technological competence in increasing complex approach is required. Including :

⁷ <https://www.yoshalovozi.uz/oz/news/innovative-approaches-are-the-main-condition-for-achieving-educational-effectiveness>

⁸ <https://in-academy.uz/index.php/zdpp/article/download/3582/3261>

- **Qualification increase courses and seminars** – technology science new pedagogical approaches, innovative methods, new technological tools application according to teachers regular preparation
- **Practice and experience exchange** – educators in the middle experience exchange, advanced methods see and to apply directed seminars organization to be
- **Online education platforms** – remote courses, webinars and electronic resources through of the students knowledge expansion.
- **Innovative study methods current - projects**, problematic tasks, game shaped training teachers to the activity integration.
- **Technological materials with work skills increase** – various from materials use, new methods mastery and practical training expansion.

Also, teachers own work in the activity creative approach development, continuous accordingly own on their work important.

Conclusion : Future elementary class teachers technological competence development – initial education quality in increasing important factor is considered. Innovative approaches current to be to the students modern pedagogical methods application opportunity gives, that with together, students technological knowledge and skills effective to form help Therefore, educators permanent qualification increase, innovation pedagogical approaches absorption and to practice implementation to be able of education new to the quality of achievement is the key. In the future pedagogical in process innovative approaches further development, technology science in teaching new method and tools current to grow through young generation modern technological culture with provide possible will be.

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