REVITALIZING THE DEVELOPMENT OF NATURAL SCIENCE DISCIPLINES BY SCHOOLCHILDREN IN THE PROCESS OF DESIGN ENGINEERING

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The article presents the problem of revitalizing the development of natural science disciplines by schoolchildren during extracurricular activities with the help of Lego education construction set. The authors defined the “education construction sets”, “design engineering based on construction sets” and “educational robotics technology.” Based on the analysis of elementary school textbooks, the article identifies the skill and knowledge, which are solidified and practiced by pupils in a new situation – during extracurricular activities – with the help of design engineering and robotics. The stages of working with Lego construction set are defined. At each stage, the acquired skills of design activities become the driving force in developing the necessary knowledge. The work on forming knowledge of natural science disciplines during vigorous activities with Lego construction set is demonstrated through the example of tasks on initial design engineering and robotics.

PROBLEMS OF THE EXPERIMENTAL WORK ON SOCIAL ADAPTATION OF ADOLESCENTS BY MEANS OF DISTANCE EDUCATIONAL TECHNOLOGIES

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The article deals with the conditions of social adaptation of adolescents by means of distance educational technologies. The research hypothesizes that social adaptation of an adolescent by means of distance educational technologies can be successful if certain pedagogical conditions are created, wherein specially organized educational environment is personalized in order to fit with individual characteristics of adolescents. The article presents the results of the diagnostics of adolescents using the methods of social and psychological adaptation of C. Rogers, R. Diamond and the methods of assessment of anxiety level of Charles D. Spielberg and Y. L. Ham. The conclusion drawn is that distance educational technologies are proven to be successful for social adaptation of adolescents and positive changes in social adaptation of adolescents have been noted.

МОТИВАЦИОННАЯ ГОТОВНОСТЬ К ПРОФЕССИОНАЛЬНОМУ САМОРАЗВИТИЮ КАК ОСНОВА ИННОВАЦИОННОЙ ДЕЯТЕЛЬНОСТИ ВЫПУСКНИКА ВУЗА

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В статье рассматриваются особенности формирования мотивационной готовности к профессиональному саморазвитию у студентов вуза. Дано авторское определение понятия «мотивационная готовность к профессионально-
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му саморазвитию», под которым понимается качество личности определяющие направленность и характер непре-рывного процесса перехода потенциальных способностей человека в области профессиональной деятельности в ак-туальные на основе осознанной саморегуляции своей учебно-профессиональной деятельности. Дано определение инновационной деятельности. Выделены принципы построения технологии формирования мотивационной готовности к профессиональному саморазвитию: креативности, саморегуляции деятельности и фасилитации. Дано опи-сание проектной технологии формирования мотивационной готовности к профессиональному саморазвитию студентов вуза, реализуемой через построение дидактической многомерной технологии (ДМТ), конкретизированной логико-смысловой моделью (ЛСМ). Приведен пример реализации ДМТ в рамках образовательного процесса в вузе.

MOTIVATIONAL READINESS FOR PROFESSIONAL SELF-DEVELOPMENT AS BASIS OF INNOVATIVE ACTIVITY OF THE GRADUATE OF HIGHER EDUCATION INSTITUTION

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In article features of formation of motivational readiness for professional self-development at students of higher education institution are considered. Author’s definition of the concept «motivational readiness for professional self-development» which is understood as quality of the personality a defining orientation and nature of continuous process of transition of potential abilities of the person in the field of professional activity in actual on the basis of conscious self-control of the educational professional activity is given. Definition of innovative activity is given. The principles of creation of technology of formation of motivational readiness for professional self-development are allocated: creativity, activity and facilitation self-control. The description of design technology of formation of motivational readiness for professional self-development of students of higher education institution of the didactic multidimensional technology (DMT) realized through construction concretized by the logiko-semantic model (LSM) is given. The example of realization of DMT within educational process in higher education institution is given.

АКТИВНЫЕ И ИНТЕРАКТИВНЫЕ МЕТОДЫ ОБУЧЕНИЯ КАК ФАКТОР СОВЕРШЕНСТВОВАНИЯ УЧЕБНО-ПОЗНАВАТЕЛЬНОГО ПРОЦЕССА В ВУЗЕ

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Analyze traditional approaches to preparation and conducting of educational sessions and unconventional: active and interactive. Identified factors, contributing to improvement of educational process in the University. Discusses definitions: “active learning”, “online training”. Examples of classifications of active teaching methods. Presented various interactive forms of learning and cognitive process. The algorithm of conduct of interactive sessions, reviewed the rules, the list of necessary conditions affecting the efficiency of training of students at the University. Online training promotes the development of communicative skills, helps to establish emotional contact between students, teaches how to work in a team, extends the range of educational opportunities.

ACTIVE AND INTERACTIVE METHODS OF EDUCATION AS A FACTOR OF IMPROVEMENT OF EDUCATIONAL PROCESS IN HIGH SCHOOL

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Provides an algorithm for conducting interactive sessions, reviewed the rules, the list of necessary conditions affecting the efficiency of training of students at the University. Online training promotes the development of communicative skills, helps to establish emotional contact between students, teaches how to work in a team, extends the range of educational opportunities.

ТЕРМИНОЛОГИЧЕСКИЕ ПРОБЛЕМЫ В ОПРЕДЕЛЕНИИ СУЩНОСТИ НРАВСТВЕННОГО ВОСПИТАНИЯ В СОВРЕМЕННОЙ ПЕДАГОГИКЕ

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This theoretical investigation, aimed at studying terminological difficulties in understanding the essence of moral education, opens the cycle of articles, highlighting the problem of moral education in the contemporary

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