

Such an organization of remote lab course will improve students academic activity by adding to the educational process of game elements.

References

1. Mironov, A.Y. Schematic production technology control systems for complex manufacturing facilities based on cognitive and multi-agent simulation technology systems: Trade secret ("know-how") / A. Y. Mironov. – M.: MSUTM, 2011. – 1 p.
2. Mironov, A.Y. Development of an integrated-modular stand IC "Electrical and Electronics": Report on research work № 12.1-01 and from 03.07.12. Stage 1. 30.09.12 / A.Y. Mironov, A.V. Isayev, A.I. Nefed'ev, V.A. Klevtsov, I.A. Mironov. – Light Yar, MSUTM SF, 2012. – 32 p.
3. Isaev, AV Individualized approach to the modeling of the educational process in high school: monograph / A.V. Isaev, A.G. Kravets, V.A. Kamala. VSTU. - Volgograd, 2013. – 140 p.
4. Isaev, A.V. Additional education of school children and youth in the development of regional resource centers to support socially oriented non-profit organizations / A.V. Isaev // Education and Society. - 2013. - № 5 (September-October). - P. 20-27.
5. Isaev, A.V. Self-directed student learning in higher education: theoretical aspects: Monograph. - Rostov-on-Don, Rostizdat, 2012. – 172 p.
6. Distance education: educational trajectory control / A.V. Isaev, A.G. Kravets, L.A. Isaev, S.A. Fomenkov // Multi Conference on Computer Science and Information Systems 2013 (Prague, Czech Republic, July 23-26, 2013): Proceedings of the International

DEVELOPMENT OF REGIONAL INFORMATION-EDUCATIONAL RESOURCE CENTRE: PROJECT «INTEGRAL»

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There are given the main ideas and the results of the project «Integral». «Integral» - is a profile session arranged for gifted children in children's educational and health camps. Target group is senior schoolchildren. Members of teaching staff of the leading higher schools of Moscow and Volgograd region are taking part in the project. The main idea of the project is considered in the development of intellectual potential of the project's participants and in the creation of favourable conditions for social growth («lifting») in the field of research activity.

Keywords: educational trajectory, interactive educational area, profile educational course, intellectual potential, social growth («lifting»), project «Integral».

Today the interaction of different social groups is unavoidably involved in the process of their competitive confrontation in the struggle for one or another vitally important for them resources. The arranged system of social hierarchy establishes unequal streams of resources both at an external level of interaction of a social group and at a level of its internal organization, providing the latter with any competitive advantages. Meanwhile, every person as a participant of the social group is inevitably involved in the process of this competitive opposition, trying to choose the main fixed points of his life and trying to answer the questions: where to study; how to choose the profession; where to live; in what direction to develop further and many other questions determining his social status. Many parents are

trying to help their children to make their choice. They ask a question if it is possible for their child to change a social class position and to come up in the world. They ask many other questions concerning the mechanisms of the possible change. They do not know the principal steps their child has to make and do not know the «guide» who can extend a helping hand to the child and help to make the first important steps [1, 2].

Answers for the questions are not so simple. It is doubtful whether there is a universal formula for success. However, understanding of the main principles of formation and competitive interaction of the social group, the person belongs to, will help him to pick his way to success and to choose the right way for further development.

One of illustrations of creating the discussed social growth («lifting») is the project of profile sessions arranged in Volgograd region for gifted children in a children's health camp «Integral».

The project is aimed at creation of successful social image, including intelligence, social culture, leadership qualities in professional activity, lofty spiritual and moral criteria, permanent aspiration for self-perfection through the continuing process of acquiring knowledge [3].

The project has already been working for 40 years. The camp «Integral» was established in 1971 at the initiative of the Moscow state university in honour of M.V. Lomonosov, as a profile camp for intellectually gifted children and young people. At the present time the project is being reorganized. It is achieving status of regional information-educational resource centre. It will help to solve the problems of organization of educational profile sessions at a higher informational, material and technical level.

The foundation of regional information-educational resource centre requires consolidation of efforts of different educational programmes of supplementary secondary school education. The resource center will permit to solve problems dealing with organizational, material, technical, informational and other aspects of realizing consolidating programmes more efficiently [4, 5, 6].

The main problems are:

Problems of the first level

1. Administrative and economic: arrangement of legal and financial interaction with authorities; search for co-financing facilities; organizing and holding conferences aimed at selecting «territorial base» for studying; organization of administrative, financial and legal support of educational activities.

2. Human resources:

- peopleware of the higher level: foundation of educational structure – school management; choice of leading teachers (instructors); organization of close cooperation with administration of the leading regional higher schools, higher schools of Russia and very likely with the higher educational establishments of foreign states; arrangement of in-depth trainings and master classes for teachers and instructors.

- peopleware of the primary level: choice and training of human resources for organization of entertainments and any other social events for children in the format of children's health camp (CHC); introduction of unitary requirements and rules of intragroup activities; choice and training of tutors of the primary team; introduction of rules for entertainments and leisure.

3. Organizational and educational: working out the structure of educational process; material and technical support of laboratory practical trainings and different activities, pointed at accident prevention; working out disciplinary rules for training in the format of children's health camp (CHC).

Problems of the second level

1. Educational and methodological problems connected with continuity structure of educational process; working out and publication of educational and methodological workbooks for training (foundation of the editorial and publishing department (EPD)); working out and publication of workbooks for instructors; working out and publication of report cards and documents (journals, school cards, train lists etc.); publication of printed matters for entertainments.

2. Organizational and territorial: joint use of educational «areas» (use of the same area, the same camp for different educational programmes); harmonization of disciplinary rules, rules and regulations of educational process, entertainments and leisure.

3. Arrangement of interaction of different educational programmes within the bounds of a large project of «go-ahead training», providing the transition of schoolchildren from one educational programme to another. It also proposes consistent guiding of project's participants.

4. Arrangement of integrated regional data portal – dataware of realizing regional educational projects; popularization of the projects; costs of the project; documentation and informational support of the project's participants; arrangement of educational festivals and competitions.

5. Organization of honest competition between educational projects through the accurate review of achieved results; introduction of rating system of their evaluation including private opinions of the project's participants.

6. Organization of close interregional (international) cooperation with non-commercial companies that, obviously, favour the development of culture and tolerance in the society.

Summary

Increase of effectiveness of educational projects unavoidably faces different problems. One of the most widespread problems is the lack of resources. There systematized the main problems that can be solved by means of realizing the project «Integral» (regional resource information-educational center), being actively developed in Volgograd region.

References

1. Isaev, A.V. Individualized approach to modelling the educational process at a higher school: monography / A.V. Isaev, A.G. Gravets, V.A. Kamaev; VolgSTU. - Volgograd, 2013. – P. 140.
2. Isaev, A.V. Supplementary secondary school education in the format of development of regional resource centers giving support to socially oriented non-commercial companies / A.V. Isaev // Education & Society. - 2013. - № 5 (september - october). - P. 20-27.
3. Distance education: educational trajectory control / A.V. Isaev, A.G. Kravets, L.A. Isaeva, S.A. Fomenkov // Multi Conference on Computer Science and Information Systems 2013 (Prague, Czech Republic, July 23-26, 2013) : Proceedings of the International Conference e-Learning 2013 / IADIS (International Association for Development of the Information Society). – [Prague], 2013. – P. 151-158.
4. Isaev, A.V. Individualized Educational Trajectory: Educational Courses Integration / A.V. Isaev, L.A. Isaeva, A.G. Kravets // World Applied Sciences Journal (WASJ). - 2013. - Vol. 24, Spec. Issue 24: Information Technologies in Modern Industry, Education & Society. - C. 62-67.
5. Kravets, A.G., Titova, O.V., Shabalina, O.A. E-learning practice-oriented training in physics: The competence formation (2013) Proceedings of the International Conference e-Learning 2013, pp. 351-355.

6. Kravets, A.G., Gurtjakov, A.S., Darmanian, A.P. Enterprise intellectual capital management by social learning environment implementation. (2013) World Applied Sciences Journal, 23 (7), pp. 956-964. DOI: 10.5829/idosi.wasj.2013.23.07.13120

INDIVIDUALIZATION OF EDUCATION: TECHNOLOGY PROJECT

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The article presents the goals, objectives and accumulated by the authors' experience of realization the concept of individualized educational path through the implementation of technology projects. In the context of significant reduction of the volume of training classroom hours using of technology projects has become, in fact, one of the most effective technologies of self-study students.

Keywords: technology projects in teaching, educational trajectory, an interactive educational platform, profile educational course.

One of the main problems in the educational process - is the formation of a stable internal system of student's motivation. System which determines the further trajectory and effectiveness of the whole learning process. Effective internal motivation system allows increasing the information level courses, significantly expanding the student's knowledge domain, thereby complementing a professional portrait of the future specialist. In this regard, the authors offer the following classification of the groups of learning objectives [1, 2]:

- the first - administrative; the goals are predetermined by the requirements of the sphere of labor relations of the student;
- the second - hypothetical, in which the purpose of teaching is a hypothetical structure of the employment relationship with the definition of the role participation of the trainee;
- the third - the group of the goals of personal interest, which doesn't offer the participation in labor relations.

Each of the designated groups' goals requires a different level of initial motivation of the learner, as well as the different dynamics significance of certain of its criteria, depending on the changes in the external, non-teaching process, situational factors. Each of the designated groups of goals offers a different level of initial motivation of the learner, as well as the different dynamics significance of certain of its criteria, depending on the changes in the external, non-teaching process, situational factors. At the same time the success of the educational process will largely depend on the ability to transform long-term incentive criteria of the student - it is interesting here and now [2]. In this regard, the formation of an effective system for monitoring and measuring of the current level trainer's preparation, development and application of the methods of prediction the dynamics of this developing level and prediction methods are becoming an important tooling of the realization of the educational process.

After, as the stability of the personal student's motivation is determined by long-term criteria, it's necessary to use an effective set of tools which will allow translating short-term motivational aspects in the long term - the student is interested in the final result. Moreover, the priority control mode in short-term objectives can significantly extend the final set of professional graduates' competencies.

The authors offer the structure of the management of motivational criteria in the teaching process, which realizes a consecutive transfer relevant motivational aspects from the