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## **TECHNOLOGIES OF MODERN PRODUCTION IN THE NEW CONTENT OF EDUCATION OF PROFESSIONAL LYCEUM**

One of the biggest challenges of our time is the beginning of the fourth technological revolution. To prepare youth for work in high tech society, we have developed and experimentally tested in the Lyceum the program of the special course "Technologies of modern production".

Educational program of the faculty «The technologies of modern manufacture» is used for profile education of pupils of 10-11 forms of establishments of common secondary school. The program is added and deepened the study of obligatory-chosen faculty "Technologies" in 10 (11) forms and profile subject "Machine manufacture basis" in professional college.

The aim of program is acquiring of pupils the key and subject competency and actual approaches according to the State standard of base and full common secondary education of the educational branch "Technologies".

The main tasks of special course are:

- getting acquainted with modern manufacture technologies, forming in the pupils the projection-technological competency, the ability of creation of modernization and technological delivery of manufacture;

- the development of common (intellectual, creational, psycho-physiological, physical and so on ) and special (technical-technological) talents of pupils and complex of personal qualities, which are obligatory for human as subject of modern manufacture and cultural development of society;

- creation of conditions for equipment of active, mobile, conscience, personal-oriented social-professional self-determination and labour setting of personality with adding of own interests, skills, talents and market needs;

- forming of critical thinking, active life position, independency, professional adaptation, readiness for continuous professional education, market concurrency, needs of opening the system of market attitude;

- the education and self-education of pupils of laborious skills, the creational attitude to the labour, the striving and ability of ever improvement in the chosen sphere of activity the basis of all personal values; - upbringing and self-upbringing in the pupils of efficiency, the creational attitude to the labour, striving and ability of continuous self-improvement in the chosen sphere of activity on the basis of all-humanity values; - forming the common culture of the humanity in all its manifestations (labour culture, economical, ecological, hygienic, esthetical, mode of life culture ) and the responsibility for the results of own activity.

On the basis of projectional technology, interactive methods and means, that deliver the education via practical activities, we create the corresponding educational environment, that is created on the partner collaboration of all participants of the project, in the process of realization of the program of special course “Technologies of the modern manufacture” there are proceeded forming the key competency of pupils: communication with native and foreign languages; the realization and expression of the culture; competency in the numeral technologies; mathematics competency; social and civil competency; there are developed the enterprise values and undertaking; educational skills.

In the process of working on the projects it is formed the projectional-technological competency of pupils – the ability of using the knowledge, abilities, skills, the ways of thinking and personal experience for the gaining of the required aim.

The projecting of the educational program of the special course “Technologies of modern manufacture”:

- the correspondence of the contents of the education with the challenges of the development of the technologies;

- the unity of the context and process sides of the education and interactive collaboration of pupils, the independent working and interactive collaboration of pupils in the process of developing and realization of projects;

- problem resolving as the basis of projectional activity and the conditions of perceiving activity of the pupils;

- the society-historical evolution of technical objects and technologies;

- the structure unity of the contents of education on the different levels of its forming with respecting of individual development and standing of the pupils.

The results of the experiment show that the study of the special course will contribute to the improvement of technological education, the formation of readiness for innovation in technology, the general development and socio-professional self-determination of students.

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**The keywords:** modern production technologies, technological education, educational program, textbook, contents of complete secondary education.

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ТЕХНОЛОГІЇ СУЧАСНОГО ВИРОБНИЦТВА  
У НОВОМУ ЗМІСТІ ОСВІТИ ПРОФЕСІЙНОГО ЛІЦЕЮ

**Ключові слова:** технології сучасного виробництва, технологічна освіта, навчальна програма, підручник, зміст загальної середньої освіти.