

Dual form of education

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What is dual form of education?

Dual form of education – a new model of professional training, practice-oriented training, that presupposes interaction between the educational and production spheres in the training of qualified staff within a certain profile, with obligatory **apprenticeship period and apprentice training**, which is **delivered by enterprises**, institutions, organizations, and presupposes strengthening of links between training and production

Launching dual education?

- When: the 60ies of the XIXth century
- Where: Germany
- Apprenticeship training – in a production environment, using the enterprise's capacity
- 30-40 % of theoretical classes
60-70 % of practical classes



Theory
Practice





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Advantages of dual form of education:

- ✓ higher responsibility of employers for the quality of worker training
- ✓ overcoming the gap between theory and practice, education and production
- ✓ improved quality of staff training
- ✓ due account of specific employers' requirements to the content and quality of vocational education
- ✓ high rate of student employment
- ✓ student training during their labour activity
- ✓ involvement of qualified staff from production in teaching activity (instructors, teachers)
- ✓ cooperation between state and public sectors of economy, social partnership
- ✓ additional financial revenues to vocational (vocational and technical) institutions

The grounds for introducing dual education

- Mid-Term Plan of the Government's Priority Activities for the Period of 2017-2020, section III 'Human Capital Development', subsection 8: 'Vocational and Technical Education Modernization'
- Law of Ukraine *On Education* (assuming dual form of education)
- On research and experimental work of the all-Ukrainian level 'Occupational Training of Qualified Workers Using Elements of Dual System of Training' (order of the Ministry of Education and Science of Ukraine dated March 16, 2015 No. 298).
- Order of the Ministry of Education and Science of Ukraine dated June 23, 2017 No. 916 'On Introduction of Elements of Dual Form of Training into Occupational Training of Qualified Workers'
- Order of the Ministry of Education and Science of Ukraine dated May 15, 2018 No. 473 'On Expanding the List of Vocational (Vocational and Technical) Institutions for the Sake of Introducing Elements of Dual Form of Training'
- The Ministry of Education and Science has developed action plan aiming to implement the exemplary Regulation on Introduction of Elements of Dual Form of Training into Occupational Training of Qualified Workers and exemplary Agreement of Dual Form of Training

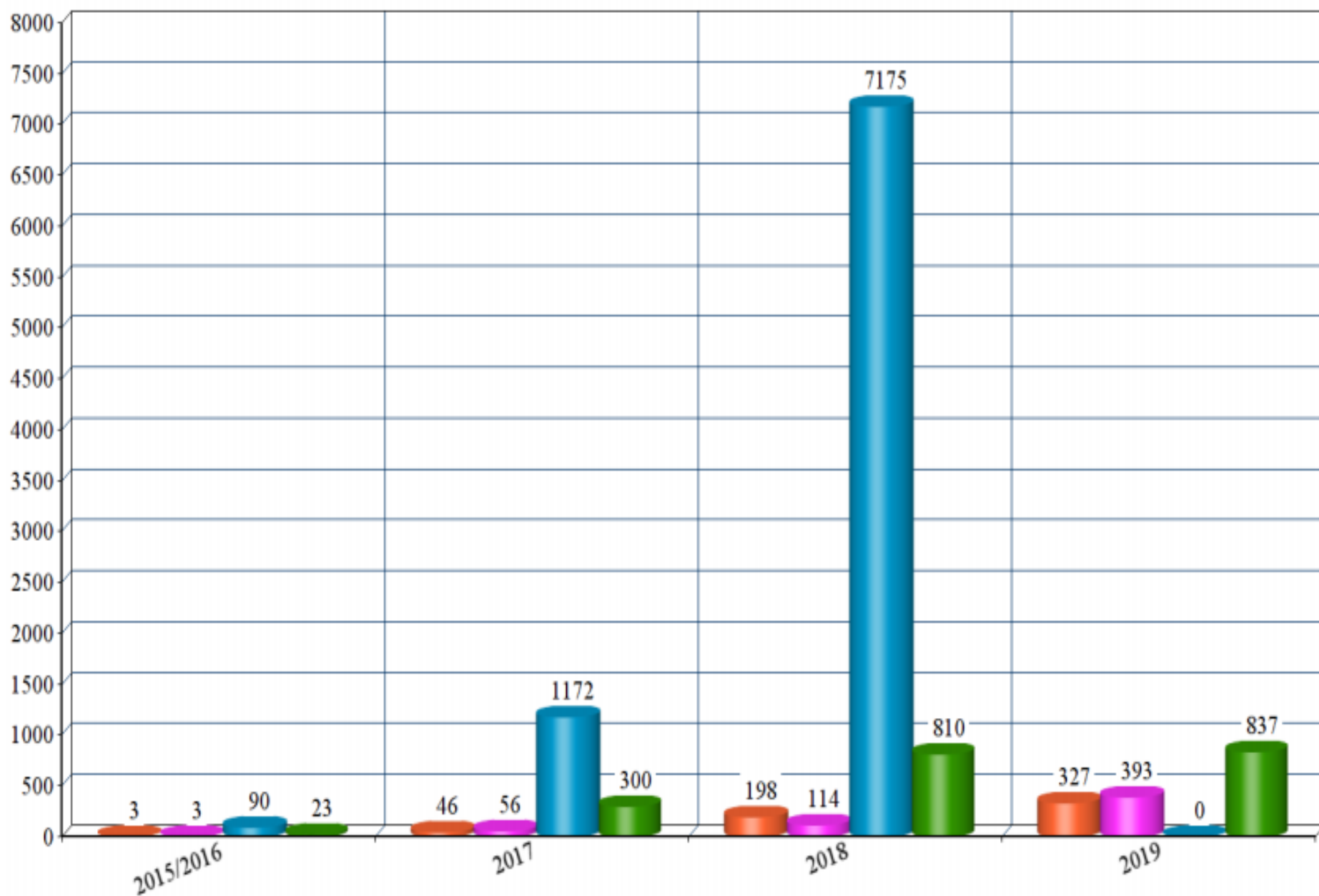
ΠThe project is supported by the Ministry of Education and Science of Ukraine, the Institute of Vocational and Technical Education of the National Academy of Pedagogical Sciences of Ukraine, the Employer Federation of Ukraine, the Institute of Occupational Qualifications and is implemented in partnership with the Friedrich Ebert Foundation

**Introduction of elements of dual
form of training in the field of
vocational (vocational and
technical) education in 2018-
2020 academic years, with due
account of draft proposals**

No	Region	Number of educational institutions introducing dual form of training		Number of occupations in the dual form of training		Number of enterprises involved in the implementation of dual form of training	
		2018-2019	2019-2020	2018	2019	2018	2019
1	Vinnytsia	15	18	41	33	287	80
2	Volyn	8	9	9	11	12	13
3	Dnipropetrovsk	12	21	14	28	16	27
4	Donetsk	12	19	18	18	20	20
5	Zhytomyr	5	15	8	19	12	19
6	Zakarpattia	3	9	3	10	10	25
7	Zaporizhzhia	11	14	19	21	25	25
8	Ivano-Frankivsk	3	7	4	9	5	10
9	Kyiv	8	15	10	10	27	17
10	Kirovohrad	7	13	7	13	11	19
11	Luhansk	6	11	6	9	8	39
12	Lviv	30	46	34	38	80	125
13	Mykolayiv	4	2	4	4	11	6
14	Odesa	6	10	7	11	19	28
15	Poltava	2	7	2	8	5	14
16	Rivne	4	8	4	17	11	27
17	Sumy	11	13	14	14	54	40
18	Ternopil	2	10	3	12	7	25
19	Kharkiv	10	13	15	22	22	33
20	Kherson	2	6	3	7	3	13
21	Khmelnyskyi	11	13	16	14	30	22
22	Cherkasy	3	7	3	11	6	14
23	Chernivtsi	2	4	2	4	18	20
24	Chernihiv	2	13	2	11	3	29
25	The city of Kyiv	19	24	28	39	117	147
	Total	198	327	114	393	810	837

Аналіз впровадження дуальної форми освіти

● Кількість закладів освіти ● Кількість професій ● Кількість здобувачів ● Кількість роботодавців





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Changes

Basic changes in the organization during implementation:

- Change in the training time ratio: theoretical training – **30%**, apprenticeship training and apprentice training - **70%** academic hours
- Introduction of block-and-module system: **theory module** delivered by the vocational and technical institution, **practice module** delivered by enterprises, institutions, organizations
- The results of training are assessed in correspondence with real occupational training indicators confirmed in a production environment



Results

The first graduation in experimental groups has proven:

- high employment rate – **up to 97%**
- improved quality of professional training **by 12-17%**
- additional financial revenues – **up to 50 thousand UAH in each VET institution**
- reduced costs of utilities and consumables

Introduction of elements of dual form of training has revealed **a number of problems, viz.:**

- uncertainty about tax benefits and preferences for employers-participants for ensuring labour remuneration to be paid to students of educational institutions as non-staff employees of enterprises, and mentors.
- high-hazard professions and technological complex professions presuppose age restrictions to not under 18 years of age to be allowed access to the work place;
- academic groups consisting of 25-30 students are normally trained in the premises of several enterprises, this requiring synchronizing of curricula performance and influencing the educational process schedule;
- professions requiring development of abilities and skills in many technological operations (in particular, when professions are integrated) demand a large number of multi-functional work places;



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- Professions requiring development of abilities and skills in many technological operations (in particular, when professions are integrated) demand a large number of multi-functional work places;
- Getting of working professions on the basis of 9 forms with parallel getting of complete general secondary education requires a long period of training to meet the requirements of the Standards of vocational and general secondary education;
- Small companies are not capable of ensuring satisfaction of the requirements of educational curricula in full scope using their own base, therefore, establishment of regional training and practice centres of sectoral designation is required;
- Employees of companies – mentors who are involved in the training require additional training in the basics of teaching methodology as well as psychological and pedagogical training;



Implementation prospects



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- 2017-2018 a.y. – introduction of the system in 52 vocational and technical institutions in 25 regions in 54 professions
- changes made in the content of education and the schedule of the training and production process following employers' demands with due account of the requirements of state standards for specific working professions;
- 61 educational standards developed and approved, this contributing to the introduction of elements of dual form of training
- expanded number of VTET institutions, the list of professions where elements of dual form of training are to be introduced in the 2018-2019 a.y. in over 100 educational institutions and expanded list of working professions in which training with elements of dual form of training is delivered.



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Thank you for attention!

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