New approaches to vocational training of electrogas welders

Natalia Melnyk, methodologist, Kamin-Kashyrsky High VET School
Advantages of modular competence-based approach:

• Includes both theoretical and practical aspects;
• Integrates subjects of the core block and vocational components;
• Systematic and consistent;
• Prevents inconsistencies between theory taught by a teacher and practical skills demonstrated by vocational trainer;
• Better motivation;
• Saves time;
• Prevents repetition of the same information;
• Module is a complete individual piece of the curriculum;
• New teacher’s position: teacher of vocational training
Participation in international projects as a boost to implementation of modular programs

**Estonian experience to contribute to VET reform in Ukraine. Volyn region**

*Results:*
- Internship in Estonia for school managers and teachers
- Development of modular VET program for profession “electrogas weldor”
- Establishing international cooperation with Valgamaa VET Centre

**EU Project. Improving vocational training system according to the needs of Volyn sub-regional economy**

*Results:*
- Improving qualification of VET trainers
- Installation of up-to-date electrogas welding (EGW) equipment in Kamin-Kashyrskyi High VET School
- Creation of Research & Practice Center of EGW Technologies
Changes in teacher’s role

- Developer of educational programs
- Facilitator
- Presenter
- Trainer
- Coach
- Manager
- Advisor
- Researcher

- Professional (theory & practice)

Internship programs for teachers ensure development of contemporary professional competences

Valgamaa VET Centre in Estonia – internship program “Most of MIG/MAG”;

Company Fronius Ukraine – “Theoretical and practical aspects of use, adjustment and exploitation of welding multisystems and plasma cutting”.

The Educational Association of the Bavarian Economy (bbw Group) – educational institution & enterprise – “New technological capacities of contemporary welding equipment”.
Diversifying teaching methods

• Using both traditional and innovative methods
• Selecting optimal methods for a particular topic
• Active learning methods
• **Shaping competences**
Lifelong learning as a guideline

- possibility to develop and implement educational programs for adults and unoccupied population
- learning particular VET modules
- activities of research & practice centre, providing various educational services (re-qualification, improvement of qualification, internship)