**Theory of Change Project NP 28 Measure 4.1 OPE**

**Model of change in project NP 28**

**Project title:** Support of polytechnical education at primary schools

**Target group:** primary school pupils, teaching staff in primary schools (polytechnical subjects)

**Model of action in project NP 28**

**Project title:** Support of polytechnical education at primary schools

**Beneficiary:** State Vocational Education Institute

**OUTCOMES OF ACTIVITIES**

**OUTPUTS OF ACTIVITIES**

**ACTIVITIES**

**SHORT-TERM IMPACTS**

**EXPECTED LONG-TERM IMPACTS**

**MEASURE 4.1 OBJECTIVES**

Specialist classrooms and laboratories equipped with teaching aids and resources for subjects of polytechnical education

Practical education of pupils in primary schools takes place in newly created or modernised classrooms

Material and technical provision for specialist classrooms including teaching aids

Innovate content and methods, raise the quality of education for the labour market needs in a knowledge-based society

Increased effectivity and attractivity of polytechnical education

Support of the improvement of the quality of polytechnical education in primary schools

Developed methodological manuals for polytechnical subjects (Technology, Physics, Biology, Chemistry), proposed normative recommendations for using teaching aids and resources

Introduction of innovative, modern forms and methods in the process of teaching and learning in polytechnical subjects

Increased interest of pupils in subjects of polytechnical education

Focus the training and continuing education of pedagogical personnel toward acquiring and developing the competences needed to transform a traditional school in a modern one

Teaching staff apply acquired knowledge and information into the process of teaching and learning

Support of vocational training of primary school pupils towards their study in secondary specialised schools

Excursion of primary school teachers to CERN undertaken

Increased interest in VET

The quality of further education and training of teaching staff has improved

Teaching staff using new forms and methods of teaching in subjects of polytechnical education

Developed Manual for on new forms of career training of primary school pupils

Ensure institutional quality of schools and school facilities

New forms of vocational training of primary school pupils

Pupils access information about career opportunities in technical subjects

Lectures focusing on the support of new forms of vocational training of primary school pupils

**BASELINE NEEDS OF THE TARGET GROUPS**

**OUTCOME AND IMPACT INDICATORS**

**PROJECT INPUTS**

* A follow-up project to NP 9 Support of primary school pupils’ professional orientation to vocational education and training by development of polytechnical education to enhance job skills and work with talents
* Innovated specialised learning resources with a focus on the labour market needs Innovative methods for all forms of teaching practice
* Innovated teaching and learning resources to develop pupils‘ key competences
* New and effective methods of career counselling
* Inovované učebné materiály a pomôcky pre výučbu rozvíjajúce kľúčové kompetencie žiakov
* Nové a efektívne metódy poradenstva o povolaniach a zamestnaniach

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| --- | --- | --- | --- |
| **Typ** | **Measurable indicators** | Target | Achieved (based on the follow-up monitoring report) |
| V | Number of innovated/ newly created teaching and learning materials | 5 | 5 |
| V | Number of schools involved in the project activities | 16 | 16 |
| V | Number of schools involved in the project activities using ICT technologies on the process of teaching and learning | 16 | 16 |
| V | Number of members of staff involved in the educational activities of the project | 21 | 75 |
| V | Number of pupils involved in the project activities | 640 | 659 |
| D | Number of schools using the project outputs after the end of the project implementation | 16 | 16 |

**Total eligible expenditure:**

**COV:** 1,695,532.47 EUR

**ESF:** 1,441,202.60 EUR

**Spending:**

1,149,659.33 EUR (67.81%)

**Implementation period:**

12/2014 – 12/2015

**EXTERNAL FACTORS**

* **Development of the innovated State educational programme in 2015** – increased the subsidy for Physics, Chemistry and Biology on the 2nd stage of primary schools
* **PROFsmeZŠ** tool – a list of the labour market requirements, job position profiles, activities related to professional orientation of pupils
* **Europe 2020 strategy** includes a call for strengthening the cross-curriculum approaches and the new role of education. School curriculum and educational strategies should enable the pupils to enhance their competences in a changing environment, encourage independence, autonomy and the responsibility of pupils for their own study.
* v meniacom sa prostredí, posilniť nezávislosť, autonómiu a zodpovednosť žiakov za učenie.