



CATHOLIC UNIVERSITY IN RUŽOMBEROK

—Shaping minds and hearts—

FACULTY OF EDUCATION

Hrabovská cesta 1, 034 01 Ružomberok

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Projects at the Department of Preschool and Elementary Pedagogy, Faculty of Education, CU

VEGA

Project name: Analysis of the situation in technical education and the development of technical skills of pupils at primary school

Grant agency and project no.: VEGA 1/0383/19

Project duration: 2019-2021

Project leader for FE CU: doc. PaedDr. Zlatica Hul'ová, PhD.

Annotation:

The scientific project has the character of basic pedagogical research, which is goal-oriented to technical education and training of younger school age pupils. The aim of the project is to analyze the current state of technical education and training at primary school. The ambition of the research plan is also to find out the reasons for the insufficient attention paid to the technical education of younger school-age pupils. Find out the causes of insufficiently developed technical skills of students, but also the relationship of teachers to technical education. From research data obtained by state analysis to identify indicators for research and search for common penetrations in content standards of mathematics, science, geography, fine arts, technology and discover opportunities to stimulate development and support interest in technical education and acquisition of technical skills in younger students at primary school.

Project name: Diagnosing digital literacy of primary school teachers in the context of undergraduate training and educational reality

Grant agency and project no.: 1/0748/20

Project duration: 2020-2022

Project leader for FE CU: PaedDr. Mária Karasová, PhD.

Annotation:

The project is focused on diagnosing digital literacy of primary school teachers and future teachers in undergraduate training. It determines the level of use of ICT in primary education and at the same time focuses on the implementation of informatics. In addition to testing digital



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literacy, it analyzes the attitudes of teachers and students to the use of ICT and self-assessment of digital literacy. Within the areas of measurability of digital literacy, it focuses primarily on the use of hardware and software, as well as on working with information.

Project name: **Regional identity as a synergy factor in the development of environmental literacy in the context of primary education**

Grant agency and project no.: 1/0624/20

Project duration: 2020-2022

Project leader for FE CU: PaedDr. Miriam Uhrinová, PhD.

Annotation:

The project focuses on research in the field of environmental literacy development in the context of primary education. It focuses not only on pupils, but also on teachers and students, future teachers who are preparing for the profession of teacher at the 1st grade of primary school. Many factors influence the development of environmental literacy. The aim of the research is to determine the influence of regional identity on the development of environmental literacy in the context of primary education, as well as to diagnose the respondents' attitudes to selected aspects of environmental issues. Based on the obtained results, it is also possible to analyze the possibilities and measures aimed at the development of environmental literacy, which also have an impact on the sustainable development of the region.



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KEGA

Project name: Supporting the education of children from socially disadvantaged backgrounds who lag behind in results due to insufficient subsidies at school or in the family

Grant agency and project no.: KEGA 012KU-4/2019

Project duration: 2019-2021

Project leader for FE CU: prof. PaedDr. Božena Šupšáková, PhD.

Annotation:

The project aims to increase the level and quality of education of children / pupils from socially and economically weaker backgrounds in primary education. Support cognitive development, natural processes of acquisition of key competencies of children / pupils from socially disadvantaged backgrounds (SDB) who lag behind in results for insufficient subvention at school or in the family and provide them with an effective tool for literacy development - language, communication, science, information, cultural, including the perception of cultural and artistic values. To teach them to solve the problems associated with globalization, to teach them to think and justify certain situations in order to gradually acquire abilities and character qualities that will help them to orientate themselves in today's changing world.

The main implementation output of the project at the level of the educational system of teaching is the design, creation and verification of the functionality of a model of effective support for education of children / pupils from SDB in primary education, which will ensure the development of key competencies in the above mentioned educational areas, which is a prerequisite for increasing the quality of teaching and improving the learning outcomes of children / pupils from the SDB. The outputs of this part of the project will be gradually implemented into pedagogical practice. They will also be applicable in undergraduate and postgraduate training of future teachers of primary education at the Faculty of Education, CU in Ružomberok. The contribution will be also publication activity of the project researchers in the form of scientific monographs, professional book publications, professional study resources for teachers, handbooks of recommended tasks for students, as well as scientific and professional seminars for teachers, as well as a web platform will also be beneficial.



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ERASMUS+ PROJECTS

Project name: Learning by Doing – Attainment of Basic Competences in ECEC (ABC for Kindergartens)

Grant agency and project no.: ERASMUS+ Programme AGREEMENT NUMBER – 2020-1-CZ01-KA201-078464

Project duration: 2020 – 2023

Researcher for FE CU, partner organization: PaedDr. Mária Vargová, PhD.

Coordinator: Nakladatelství Dr. Josef Raabe s.r.o. (CZ)

Partner organizations: Catholic University in Ružomberok, Faculty of Education (SK), Kindergarten Riadok 4, Ružomberok (SK), Charles University, Faculty of Education, Department of Pre-primary and Primary Education (CZ), Faculty kindergarten with special care (CZ), Kindergarten Kopřivnice p.o. (CZ), University of Maribor, Faculty of Education (SI), Vrtec Studenci Maribor (SI)

Annotation:

Since the 1st of November 2020, the publishing house Nakladatelství Dr. Josef Raabe, s. r. o, has started to implement the transnational project „Learning by Doing - Attainment of Basic Competences in ECEC (ABC for kindergartens)“. The project will combine the efforts of 8 relevant organisations from 3 European countries (the Czech Republic, Slovakia and Slovenia) and the aim of this project is to improve the quality of ECEC education through introducing innovative approaches and practices and to ensure comprehensive development of children's competences at ECEC level. This will be achieved by supporting kindergarten teachers to gain knowledge on how to efficiently apply project based learning (PBL) and task based learning (TBL) at ECEC level.



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SLOVAK RESEARCH AND DEVELOPMENT AGENCY

Project name: Optimization of teaching materials in mathematics based on the analysis of current needs and abilities of young school students

Grant agency and project no.: APPV-15-0378

Project duration – 2016-2020

Project leader for FE CU: RNDr. Janka Kopáčová, CSc.

Annotation:

In Slovakia, no research has been done on the impact of scientific and technical development on the interests and abilities of pupils at the beginning of school attendance; most research has focused on the cognitive area. Therefore, the project has the ambition to analyze the real areas of interest of students and their technological skills, so that mathematics teaching materials can be adapted to their changed interests and abilities. In this project, we will first create a block of various manual, mental and virtual activities of graded difficulty without determining the year. We will test this material on a special sample so that children with different social and cultural backgrounds are represented.

Based on the analysis of the results, we will create a design of teaching materials with special emphasis on the appropriate ratio of individual types of activities (manual, electronic, print, mental, interactive, static, etc.). An integral part of the materials will be the teacher's guide, which will offer suggestions for designing teaching process using the created materials, while leaving the management function of the teacher and the free choice of alternative materials as needed. This procedure is completely different from standard creation, where educational material is first created and then tested, or simply implemented in to teaching based on the decision of the governing bodies.