

CORTTEX

Newsletter

June 2021



CORTTEX

COGNITIVE RESOURCES
FOR TODDLERS TEENS
AND EXPERTS



Co-funded by the
Erasmus+ Programme
of the European Union



Employing novel teaching strategies, methods, technologies and knowledge to increase learner quality of experience, improve learning process and cognitive development.

The CORTTEX Project

CORTTEX is a large-scale initiative to develop, integrate and disseminate innovative educational strategies - enhanced learning methods and tools, to create new or inter-connect existing state-of-art cognitive teaching lessons and to build a European learning network platform that supports fast dissemination of learning content to a wider audience in a ubiquitous manner. CORTTEX focuses on employing novel teaching strategies, methods, technologies and knowledge in order to increase learner quality of experience, improve learning process and cognitive development, increase learning outcome.

The CORTTEX objectives are:

1) Develop and deploy a set of new cognitive instruments involving multi-methods of learning and teaching;

2) develop, integrate, deploy and disseminate state of the art cognitive strategies (e.g. making mind maps, visualisation, association, mnemonics, using clues in reading comprehension, underlining key words, scanning, self-testing and self-monitoring) - enhanced teaching methodologies including cognitive gamification, cognitive problem-based learning addressed to users from kindergartens, primary schools and secondary schools;

3) build a large platform that links all stakeholders in education, enables content reuse, supports generation of new content, increases content exchange in diverse forms, develops and disseminates new teaching cognitive scenarios;

4) perform personalisation and adaptation for content, delivery and presentation in order to increase learner quality of experience and to improve learning process;

5) Validate the platform impact and the effectiveness of the teaching cognitive scenarios in terms of user satisfaction and teaching experience. The validation will involve all major stakeholders in education area, from content

providers, innovative idea creators, technology developers, associations, schools and teachers.

The objectives meet the needs of the target groups: at least 160 teachers and other professionals from pre-university education to be trained in developing cognitive curriculum and to apply neurodidactics.

The activities foreseen by the action are:

- A research on the perception and ideas related to current situation regarding the education of children with learning difficulties: teaching materials, curriculum, legislation. Also, the study will aim to identify the training needs of teachers, the structure of training, innovative pedagogical approaches for them, tools that teachers recommend to be included in learning content.

- An exchange of know-how, expertise and good practices between researchers, specialists and practitioners in the field of teaching, learning difficulties, management of challenging behaviours in children with special learning needs.

Click [here](#) to access the project website and discover more on the CORTTEX action.

The road to the Training modules, the CORTTEX NEED Analysis

Legislation and good practices regarding learning difficulties are different from one country to another, and the differences are noticeable starting with the way they are defined. From an educational perspective, learning difficulties are a disability. Instead, in the clinical approach, learning difficulties are considered a disorder (learning disorders being the concept that corresponds to the medical model). In many countries, people with learning disabilities are considered people with disabilities, giving them access to many benefits from the state.

In order to carry out this needs analysis, we used a mixed cross-sectional methodology (quantitative and qualitative), which would offer

a comprehensive perspective on several aspects regarding the education and interaction with students with LD: attitude and knowledge about learning difficulties, concerns about teaching students with LD, integrated curriculum use, methods of teaching Mathematics, Reading, Writing, and Spelling, methods for identifying students with LD and assessing their cognitive skills, management of challenging behaviors, parent-teacher relationship, methods of enhancing empathy in children with LD, and education quality.

Participants from 3 countries were involved in this need analysis.

We designed a need analysis questionnaire divided into five parts:

1. socio-demographic information;
2. teachers' attitude and knowledge about students with LD;
3. concerns about teaching students with LD;
4. integrated curriculum use;
5. teachers' practice with students with LD.

The participants were also offered the option to report that they do not know about the investigated phenomena.

This report presents the current state of affairs regarding the situation of students with learning disabilities in Romania, Belgium, and Greece. The report analyses also the needs of specialists working with students with learning difficulties in these three countries.

Download the full analysis [here](#).

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CORTTEX Project Partnership



University of Bucharest (RO): It is considered to be the most important educational, research and cultural institution in Romania and one of the most important scientific research centres nationwide. Within the University, there are over 50 research institutes, departments and centres, most of them collaborating with similar scientific centres abroad. The University of Bucharest is part of a reliable network of international collaboration – 300 bilateral collaboration agreements have been signed with universities in 52 countries. www.unibuc.ro



University of Macedonia (GR) The Department of Educational and Social Policy at the University of Macedonia is the only Department of Higher Education in Greece that is responsible for training teachers and other professionals working with children with Autism Spectrum Disorders. The Department implements contemporary teaching models on Autism Spectrum Disorders and places students for apprenticeships in special, mainstream, preschool, primary, secondary, technical vocational school units all over the country as well as in institutions abroad through several programs like Erasmus, AISEC, etc. www.uom.gr



TEACHER TRAINING CENTRE BUCHAREST - CCD (RO) The mission of the centre is to promote innovation and education reform, optimal framework for the professional and personal development of pre-university education staff, and to ensure the continuous training of the pre-university education staff. Activity areas: training of pre-university education staff, field of methodical, scientific and cultural activity, information documentation consulting, offer of continuous annual training through accredited / approved courses, initiation, development and implement of continuous training programs www.ccd-bucuresti.org/



Inte*Learn (GR) INTE*LEARN was founded in April 1989 by a team of experts in Computer Assisted Learning. It aims at introducing and consolidating information technology in the educational process. It is specialized in instructional design and implementation of digital educational environments and applications; implementation of tests to measure developmental characteristics of students (ie language difficulties); implementation of tools to support the educational process, and research and development www.intelearn.gr



The **European Association for Mental Health in Intellectual Disability (EAMHID)** provides a platform for academics, health professionals and policy makers. The purpose of the Association is to facilitate international cooperation and exchange of knowledge and experience in the field of mental health in people with an intellectual disability www.eamhid.eu

Welcome to our newsletter! We will keep you updated of what we have been doing in the framework of the **CORTTEX project**, including events and the outputs produced by this Erasmus+ initiative

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