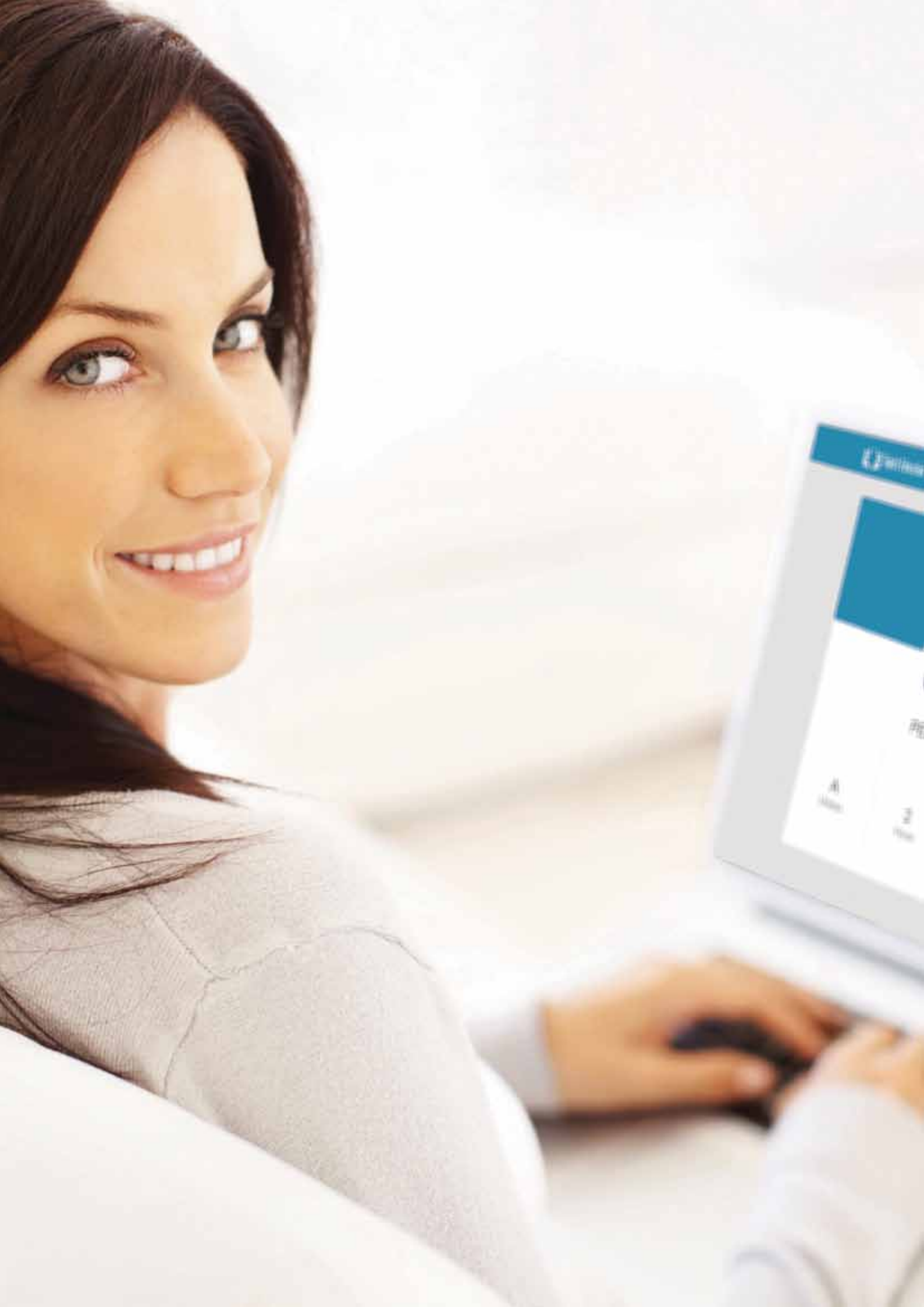


# eLearning

ICT Competencies  
for Teachers and  
School Leaders

**INNOVATIVE TRAINING**



# INTRODUCTION

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ICT is an integral part of modern life. It gives us almost instant access to facts, materials and services that could not have been conceived of even 15 years ago. In education, ICT is the key to unlocking the skills and knowledge of our future generations of young people. It is a powerful tool for extending educational opportunities, both formal and non-formal, to preciously underserved constituencies – scattered and rural populations, groups traditionally excluded from education due to cultural or social reasons such as ethnic minorities, girls and women, persons with disabilities, and the elderly, as well as all others who for reasons of cost or because of time are unable to enroll on schools or campus.

ICT can enhance the quality of education in several ways: by increasing learner motivation and engagement, by facilitating the acquisition of basic skills, and by enhancing teacher training.

ICT also have the ability to transcend time and space, and make possible asynchronous learning, or learning characterized by a time lag between the delivery of instruction and its reception by learners. In accordance with this scenario, Topict Education has used successfully its methodology and its LMS platform to training teachers overcome the barriers of introducing the digital technologies in learning institutions, and improve the competencies of their pupils for critical thinking, communication effectivity , decision-making, handling of dynamic situations, collaboration and working as a member of team, and ICT competencies to enable them to the workforce.





# TOPICT METHODOLOGY FOR TRAINING TEACHERS

The needs of accessing education is leading to the arrival of new learning methodologies and platforms for blended learning.

Our methodology is in accordance with the UNESCO framework for the training teachers in ICT competencies. Topict Education has a team of experts in eLearning to meet training programs for teachers under the following characteristics:

- Tutorship in asynchronous communication through Topict LMS;
- Teamwork to create learning scenarios;
- 17 course modules promote innovative practices in the school environment;
- Pedagogical materials in digital format to support ideas of how to teach, about and with ICT;
- Access to the training course by any electronic devices (desktop, notebook, tablet or smartphone).

# TOPICT LMS PLATFORM

The Learning and content management systems (LMS) are nowadays considered technologies mature and stable, and Topict LMS is no exception as it has followed the future scenarios on innovation in education and from a technological point of view: in the use of mobile learning, personalized learning environments, immersive environments in 3D training contexts.

The Topict Education uses its LMS platform to deliver online training in ICT competencies. The Topict LMS allows efficient interaction between eTutors and users of the course, whatever the type of digital devices and supports thousands of simultaneous accesses.

## Topict LMS Architecture

Graphical Interface / Accessibility

Identification / Authentication



AM

EM

CM

IM

AS

C/I

Topict (Core)

Operating System and Database (OS + DB)

AM – Administrative Management

EM – Educational Management

CM – Content Management

IM – Interaction Management

AS – Assessment

C/I – Customisation / Integration

# FEATURES

All resources were developed by results achieved by experience of intuitive and effective interaction with all teachers.



## Content Management

The Topic LMS allows creating, importing, providing, standardizing and managing content.



## Pedagogical Management

Collaborative learning management (tutorials, infographics, individual or group assignments, teaching resources).



## Standardization and Integration

Integration with external information systems, data security and confidentiality. LMS standardisation – training environment, reports and metrics.





## Communication and Interaction

Asynchronous communication (e-mail, thematic and general forums, file exchange) and collaborative work (sharing on-line presentation).



## Evaluation

Educational evaluation – training environment and effectiveness. Capability of formative and summative evaluation.



## Administrative Management

Management of eLearning (course catalogue, training plan, participants, teachers, coordinators, thematic areas).





## TRAINING PROGRAM OF ICT COMPETENCIES

The Topict Training of ICT competencies explores new ways of teaching to enhance meaningful learning, critical and creative, into the school environment.

The cloud-based eLearning for training ICT competencies provides a password and login for teachers access all pedagogical materials as contents, tutorials and infographics.





# COURSE STRUCTURE

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Each module have a notional length of 16 hours.

Unity 01 – 64 hours

Module A – Using web based resources for teaching and learning

Module B - Digital Writing for communication and mind maps in education

Module C - Communication, collaboration on the web and social media

Module D - Introduction of ICT and ePortfolios in the school environment

Unity 02 - 64 hours

Module E - Upload of digital content on the Web

Module F - Tools for creating digital presentations

Module G - Creating audiovisual for learning support

Module H - How to evaluate educational software

## Benefits for Teachers

- Teachers changing their attitudes and beliefs on ICT use
- Skills to innovate new learning methods
- Developing authoring content and tools
- Improves learning and collaboration on the Web 2.0

# INTERNATIONAL CERTIFICATION

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The Topict certification is a valuable indicator for teachers skills in ICT Competencies. The certification has been crucial to Professional development of many teachers and school leaders to take the next step in their careers. Topict Education has been implementing certification agreements with several learning institutions for providing eLearning course of ICT Competencies.

The international certification is delivered by Topict Education and based on coordination and assessment of its eTutors who running the training program of ICT Competencies for teachers.







Topict Education UK Ltd.  
Unit 5, 124 Baker Street  
Westminster, London  
W10 6TY, United Kingdom  
Company registration number:  
9080744 (England & Wales)