

UNESCO ICT-CFT & OER

3rd February 2021



Knowledge
Acquisition



Knowledge
Deepening



Knowledge
Creation



Leveraging advantage from existing OER in the creation of teacher professional development courses

Prepared by Neil Butcher & Associates 



Problem statement

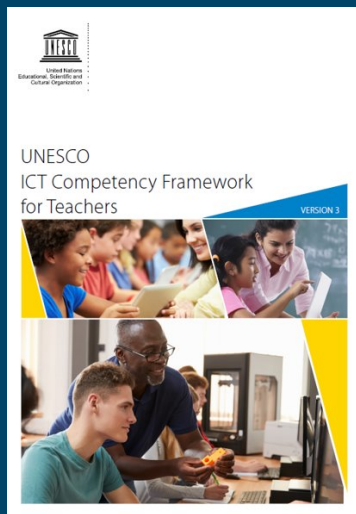
How do we get teachers to integrate ICT effectively into teaching and learning, and into their other administrative duties?



United Nations
Educational, Scientific and
Cultural Organization

1

Teacher ICT Competency Framework



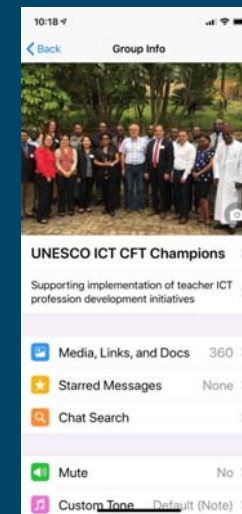
2

Repository of aligned OER to build teacher training courses



3

Community of experienced practitioners



OER in Action | UNESCO ICT CFT Courses Timeline



 **Guyana** (2010 –2012)

English

Course name:
ICT in Education Teachers Course

Audience:
In-service and pre-service teachers

Developer:
National Centre for Education Resource Development (NCERD)

Methodology & distribution mechanism:
Facilitated - paper based / CD - DVD

Ratio of
ICT-CFT Approaches



Creative Commons
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OER in Action | UNESCO ICT CFT Courses Timeline



 **Kenya** (2015 –2016)

English

Course name:
Kenyan ICT CFT Course

Audience:
In-service teachers

Developers:
**Ministry of Education Science & Technology,
Teacher Service Commission and Kenyan
Institute for Curriculum Development, et al.**

Methodology & distribution mechanism:
Blended – Learning Management System

Ratio of
ICT-CFT Approaches



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Licence



OER in Action | UNESCO ICT CFT Courses Timeline



 **Rwanda** (2016 –2017)

English

Course Name:
Rwanda ICT Essentials for Teachers

Audience:
In-service teachers

Developer:
Rwandan Education Board

Methodology & distribution mechanism:
Blended Learning – Learning Management System

Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



Djibouti (2016–2017)

French

Course name:
TIC pour l'université de Djibouti.

Audience:
University Lecturers

Developer:
l'université de Djibouti

Methodology & distribution mechanism
Blended – Learning Management System

Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



 **Togo** (2016 –2017)

French

Course name:
Formation à Distance des Enseignants du Togo

Audience:
Pre-service teachers

Developer:
Université de Lomé

Methodology & distribution mechanism
Blended – Learning Management System

Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



UNESCO ICT CFT Hub (2016)

Platform name:
UNESCO ICT CFT Hub on OER Commons

Audience:
Courseware developers

Developer:
ISKME

Platform function
Indexed repository of Open ICT CFT resources

-  French
-  English
-  Portuguese
-  Arabic

Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



<http://mg.nbatesting.co.za/login/index.php>

South Africa (2017)

English

Course name:
MG Online

Audience:
In-service teachers

Developer:
Matthew Goniwe School of Leadership and Governance (Gauteng Dept. of Education)

Methodology & distribution mechanism
Blended – Learning Management System

Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



Zimbabwe (2017 - 2018)

English

Course name
Zimbabwe ICT Essentials Course.

Audience:
In-service teachers

Developers:
Ministry of Primary and Secondary Education

Methodology & distribution mechanism
Facilitated – Offline course on USB stick
Stand-alone – Google Play App

Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



Egypt (2017 - 2018)

Arabic

Course name: Egyptian ICT CFT

Audience:
Pre-service and in-service teachers

Developers:
American University of Cairo

Methodology & distribution mechanism:
Blended

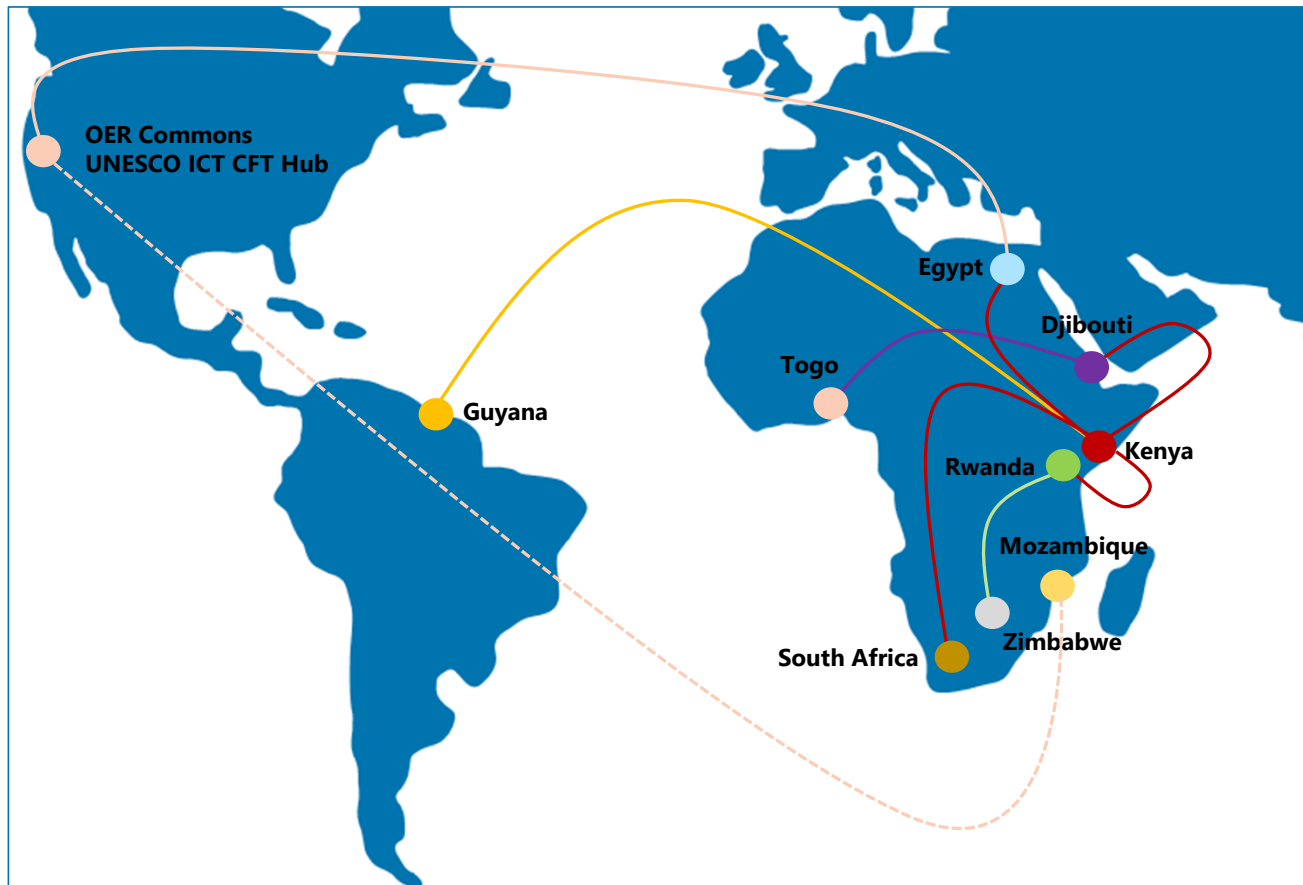
Ratio of
ICT-CFT Approaches




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OER in Action | UNESCO ICT CFT Courses Timeline



 **Mozambique** (2017 - 2018)

Portuguese

Course name: TIC na Pedagogica

Audience:
Pre-service and in-service teachers

Developers:
Institute of Open and Distance Education (IEDA)

Methodology & distribution mechanism:
Blended

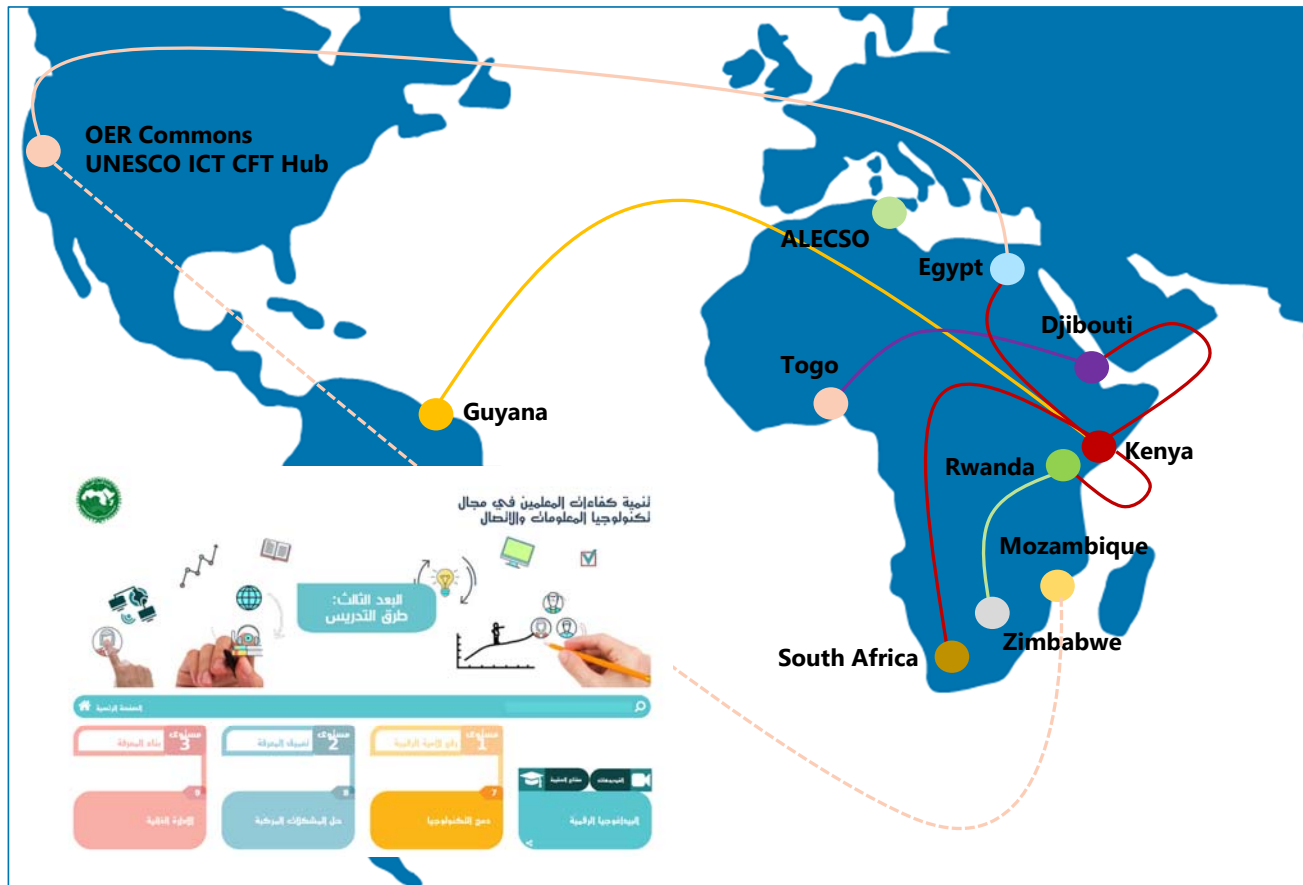
Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



ALECSO / Tunisia (2018 - 2019)

Arabic

Course name: Understanding ICT in Education
فهم تكنولوجيا المعلومات والاتصالات في التعليم

Audience:
Pre-service and in-service teachers

Developers:
ALECSO

Methodology & distribution mechanism:
Blended

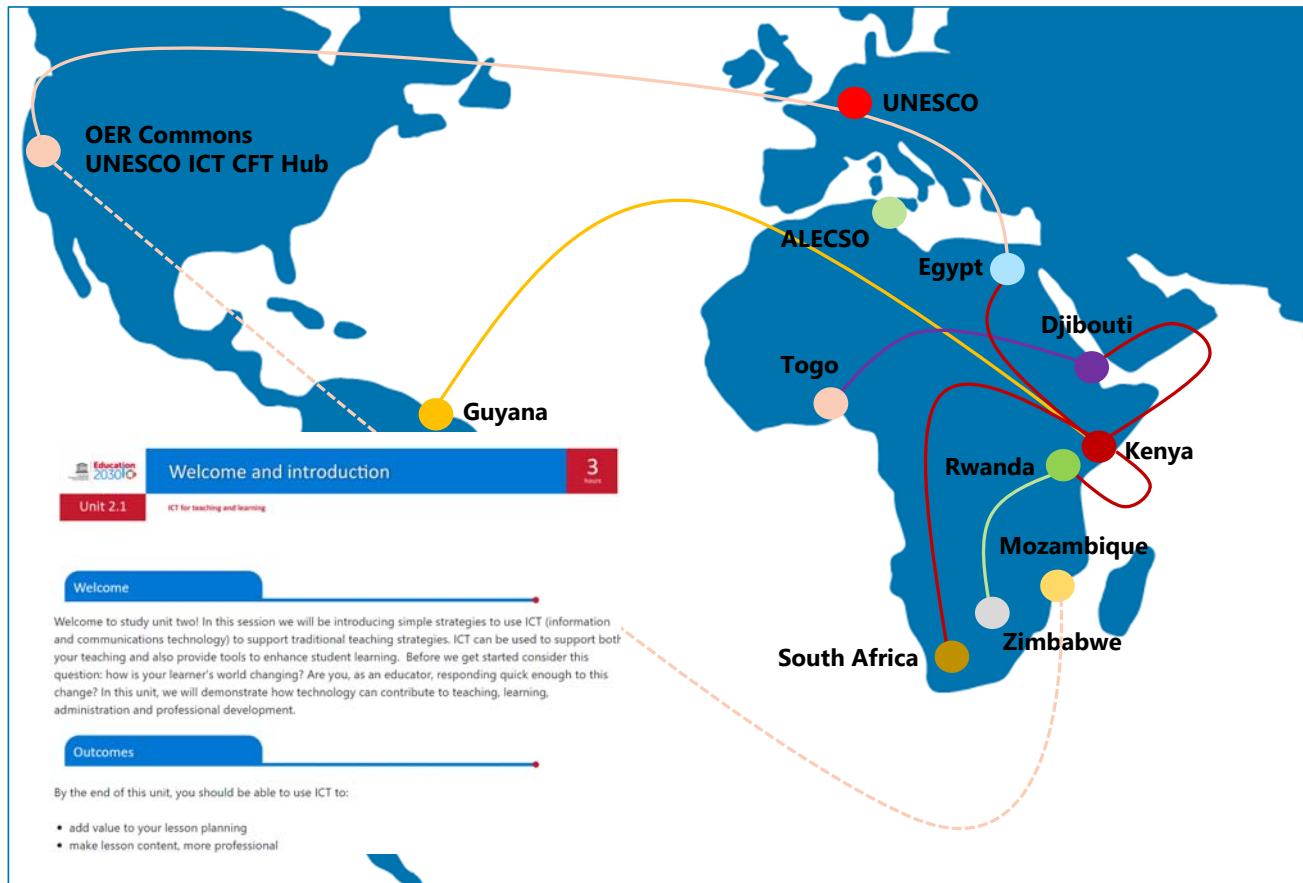
Ratio of
ICT-CFT Approaches



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OER in Action | UNESCO ICT CFT Courses Timeline



UNESCO / Generic (2021)

English

Course name:
ICT CFT Course (Generic)

Audience:
Pre-service and in-service teachers

Developers:
UNESCO

Methodology & distribution mechanism:
**Online (Moodle) using 'Competencies'
Paper-based materials**

**Ratio of
ICT-CFT Approaches**



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UNESCO ICT CFT

UNESCO ICT CFT Version 3 competencies and objectives

Competencies

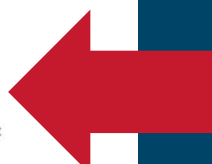
Search...

UNESCO ICT CFT

Knowledge Acquisition

- KA.1.a. Policy understanding - Implementation
- KA.1.b. Policy understanding - Responsible use
- KA.2.a. Curriculum and assessment - Curriculum and ICT
- KA.2.b. Curriculum and assessment - OER
- KA.2.c. Curriculum and assessment - Assessment and ICT
- KA.3.a. Pedagogy - ICT selection
- KA.3.b. Pedagogy - Lesson plans
- KA.3.c. Pedagogy - Presentations
- KA.4.a. Application of digital skills - Hardware
- KA.4.b. Application of digital skills - Word processor
- KA.4.c. Application of digital skills - Presentations
- KA.4.d. Application of digital skills - Graphics
- KA.4.e. Application of digital skills - Navigate internet
- KA.4.f. Application of digital skills - Cybersecurity
- KA.4.g. Application of digital skills - Search engines
- KA.4.h. Application of digital skills - eMail
- KA.4.i. Application of digital skills - Drill and practice
- KA.4.j. Application of digital skills - Evaluate resources
- KA.4.k. Application of digital skills - Record keeping
- KA.4.l. Application of digital skills - Communication
- KA.4.m. Application of digital skills - Social networks
- KA.4.n. Application of digital skills - Troubleshooting
- KA.5.a. Organization and administration - Learning environments
- KA.5.b. Organisation and administration - Support small groups
- KA.5.c. Organisation and administration - Tech for learning
- KA.6.a. Teacher CPD - Improved productivity
- KA.6.b. Teacher CPD - New resources and strategies
- KA.6.c. Teacher CPD - Safety
- KA.6.d. Teacher CPD - Digital Citizenship
- KA.6.e. Teacher CPD - Evaluate resources

Knowledge Deepening
Knowledge Creation



Use a presentation package for teaching

ERT TRACK

Unit 9



UNESCO ICT CFT - Knowledge Acquisition

UNESCO ICT CFT v3

KA.4.c

This unit of study aligns with the following UNESCO ICT CFT competency:

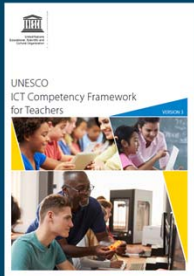
Create simple presentations

KA.4.C

Application of digital skills

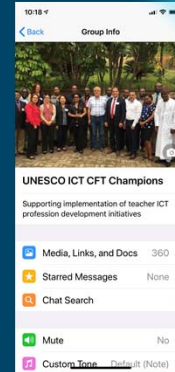


United Nations Educational, Scientific and Cultural Organization



Framework to identify scope

Network of experience



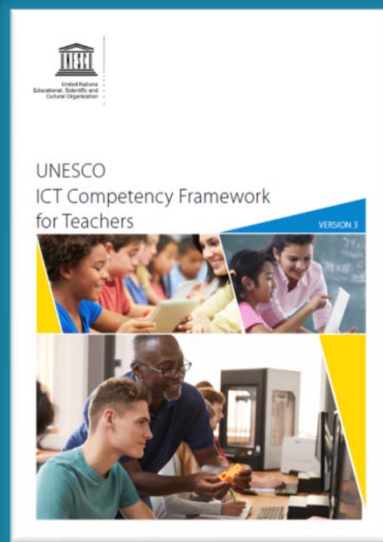
Free, quality adaptable resources



United Nations
Educational, Scientific and
Cultural Organization

ICT CFT | OER | CoP

Access the Framework



The UNESCO ICT Competency Framework for Teachers:
<https://unesdoc.unesco.org/ark:/48223/pf0000265721>

ICT CFT | OER | CoP

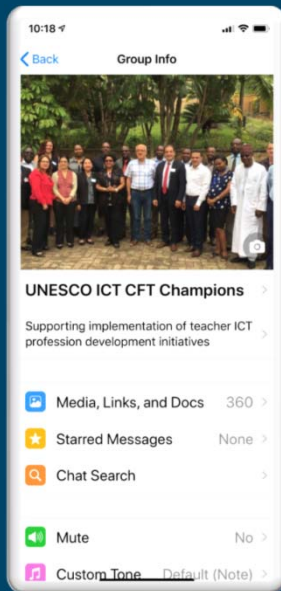
Access the Resource Hub



The UNESCO ICT CFT Resource Hub on OER Commons
<https://www.oercommons.org/hubs/UNESCO>

ICT CFT | OER | CoP

Access the Network of Champions



The UNESCO ICT CFT Resource Hub on OER Commons
<https://chat.whatsapp.com/HSkN0gQLbZECV1TQdjoxMh>



Thanks

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