E-Content for Smart Learning
Topics

- Integrated Approach for learning
- E-Content Strategy
- Interactive Textbooks
Integrated Approach for learning
An integrated Approach for Learning

Student

Who

Teachers
Parents
Educational Management

What

Curriculum
Goals Standards
21st century skills
Assessment

How

Pedagogical models
Instructional design
Teaching strategies, practices

Where

Learning environments (Classroom, home, virtual spaces, mobile)

Tools

Learning Content
Platforms and applications
Classroom Equipment /Devices

Conditions

Infrastructures

Professional Development/ Support

Integrated Management

Leadership: strategic and operational

System Assessment
Integrated Approach for Learning

- Systemic and multidimensional approach
- Orientation towards learning results and efficiency
- Project management model
- Assessment and Research support
- Continuous improvement
Key Success factors

- Project clear vision and communication
- School leaders involvement
- Teachers motivation and involvement
- Project management skills and methodology
- Implementation operational support
Key Success factors

- **Teachers training** – central for transforming pedagogical approaches

- **Continuous training** – Blended learning and workshop – support for new practices implementation

- **School leader’s professional development** for a context of technology change
Key Success factors

- Infrastructures assessment

- Connectivity
  - Internet access
  - wireless local area network

- Cloud

- Technical support
Key Success factors

- Device alignment with instructional requirements and available resources
- Device management systems
- Usage policies
- Support
Key Success factors

- Platforms for teaching and learning support
- Support for innovative practices
- Personalized learning leverage through technology
Key Success factors

- Curriculum alignment
- Support for effective teaching and learning
- Interactive textbooks
- Integration in classroom (e.g. lesson plans)
E-content Strategy
E-Content Strategy

Context alignment
(social, culture, Technology, ...)

Strategic alignment
(Vision, goals, Programs, ...)

External

Educational Strategy

ICT Strategy

ICT programs for Education

E-content Strategy

Infrastructures

Professional development

Horizontal/programs alignment
Coherence, compatibility, efficiency, synergy, leverage

Internal

Success factor

Stakeholders engagement in strategy definition and implementation
### E-content strategy definition

**What are the goals, requirements and needs?**

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<th>Instructional design approaches</th>
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<td>Learning environments (Classroom, home, virtual spaces,..)</td>
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<td>Platforms (LMS, Adaptive), APPs</td>
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<td>Interfaces: Interactive Whiteboard, Laptop, Tablet, smartphone</td>
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**Different goal and needs » Different strategies**
Interactive Textbooks

- Driver for ICT integration
Interactive textbooks

Tablet
Interactive textbooks

Multifunctional toolbox
Interactive textbooks

Multifunctional toolbox

Computer
- Photo Camera
- Video recorder/Player

Internet access
- Audio recorder/player
- Sensors
- Library

Game console
- TV
- Projector support

APPs
Interactive textbooks

Textbooks + Tablet
Interactive textbooks

- Increased **motivation**
- **New approaches** to explore the textbook content
- **Multimedia enrichment**
- **21st century skills** empowerment
- Driver for tablet integration in the classroom (1:1)
Interactive textbooks

- Content update
- **Weight** reduction – virtual backpack
- Device Integration with other **leaning APPs**
- **Cost** and **environmental** impact reduction
Key notes

- Integrated Approach for learning
  - Systemic and multidimensional approach
  - Orientation towards learning results and efficiency

- E-Content Strategy
  - Alignment: internal (ICT programs) and external (Educational Strategy and Context)
  - Definition of goals, requirements and needs

- Interactive Textbooks
  - Driver for ICT integration in the classroom (1:1)
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