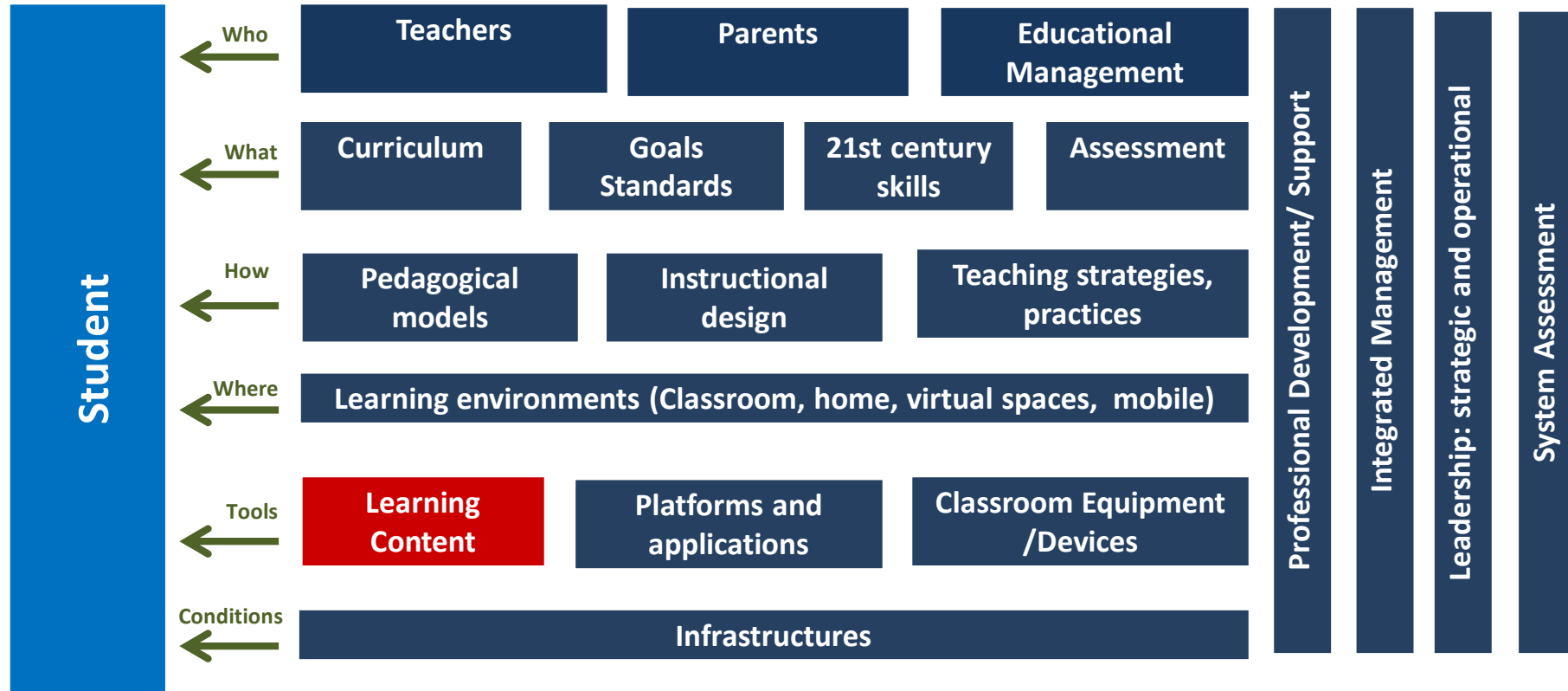# E-Content for Smart Learning

Topics

- **Integrated Approach for learning**

- **E-Content Strategy**

- **Interactive Textbooks**
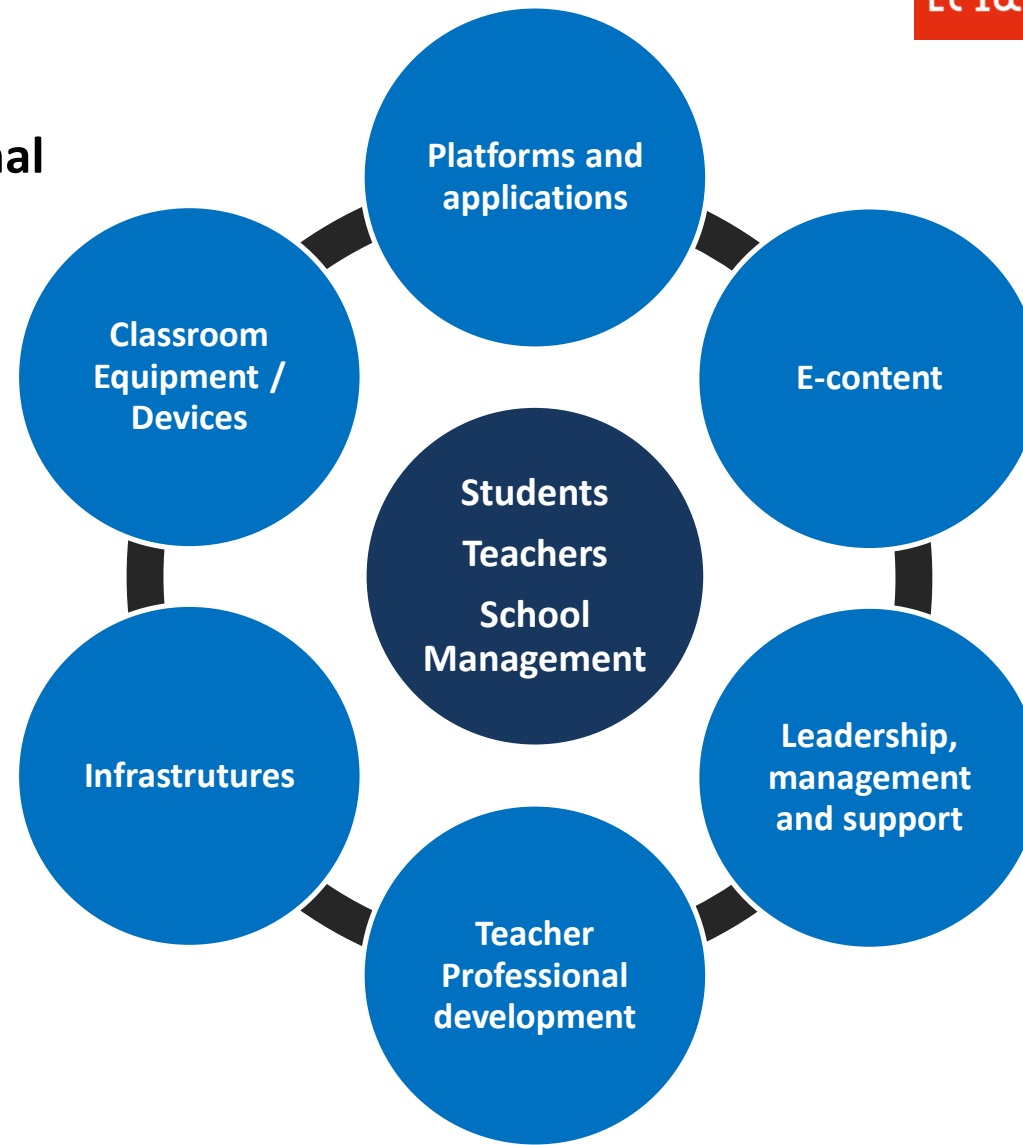
Integrated Approach for learning

An integrated Approach for Learning

LeYa

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

Leadership, management and support

↘ **Project clear vision and communication**

↘ **School leaders involvement**

↘ **Teachers motivation and involvement**

↘ **Project management skills and methodology**
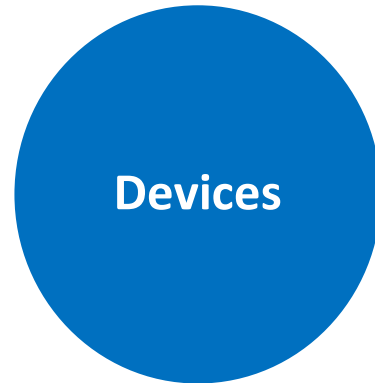
↘ **Implementation operational support**

Key Success factors

Teacher Professional development

↘ **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

Infrastructures

↘ **Infrastructures assessment**

↘ **Connectivity**
- **Internet access**
- **wireless local area network**

↘ **Cloud**

↘ **Technical support**

Key Success factors

Devices

↘ **Device alignment with instructional requirements and available resources**

↘ **Device management systems**

↘ **Usage policies**

↘ **Support**

Platforms and aplications

↘ **Platforms for teaching and learning support**

↘ **Support for innovative practices**

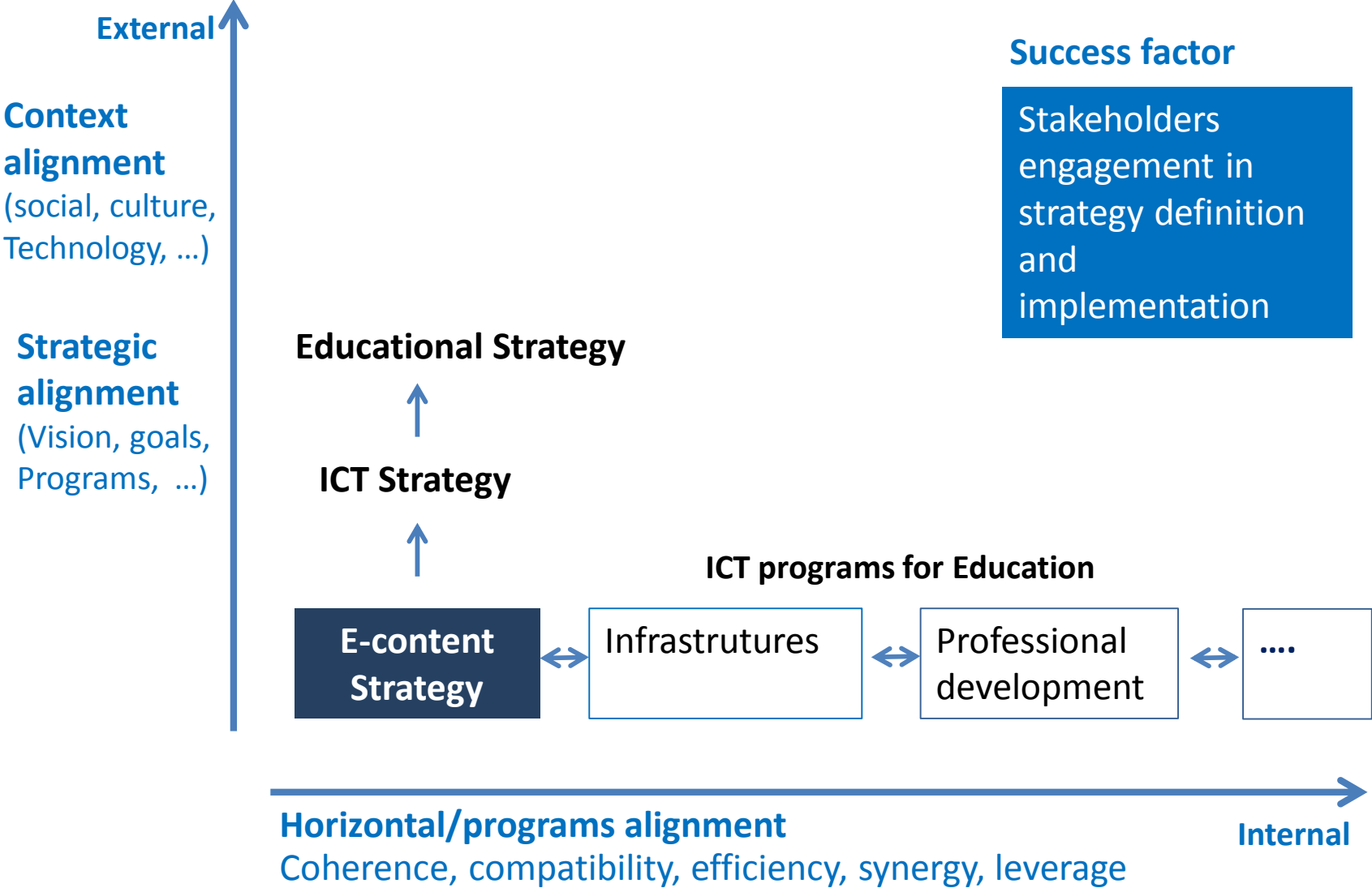↘ **Personalized learning leverage trough technology**

E-content Strategy

E-Content Strategy

External

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

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

Success factor

Stakeholders engagement in strategy definition and implementation

Educational Strategy

ICT Strategy

ICT programs for Education

| E-content Strategy | ↔ | Infrastrutures | ↔ | Professional development | ↔ | .... |

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

Internal

E-content strategy definition

What are the goals, requirements and needs?

Students, teachers, parents	**Instructional design approaches**
Curriculum and standards alignment	**Learning environments (Classroom, home, virtual spaces,…)**
21st century skills development	**Platforms (LMS, Adaptive), APPs**
Pedagogical models	**Interfaces: Interactive Whiteboard, Laptop, Tablet, smartphone**
Teaching & Learning: strategies , practices	
Interactive textbooks	**Infrastructures (internet access, WLAN,..)**

Different goal and needs » Different strategies (…)

Interactive Textbooks

- **Driver for ICT integration**

Tablet

Multifunctional toolbox

=

Multifunctional toolbox

Computer

Photo Camera

Internet access

Projector support

TV

Sensors

Vídeo recorder/Player

Audio recorder/player

Game console

Library

APPs

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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