DIGITAL COMPETENCE OF TEACHERS IN PRIMARY EDUCATION - CHALLENGES, OPPORTUNITIES, PERSPECTIVES

УНИВЕРЗИТЕТ
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INTRODUCTION

Intensive economic and technological development

Integrating digitalization into education

Transformation of the school environment, methodological approaches, changed role of key factors

Adaptation of teachers
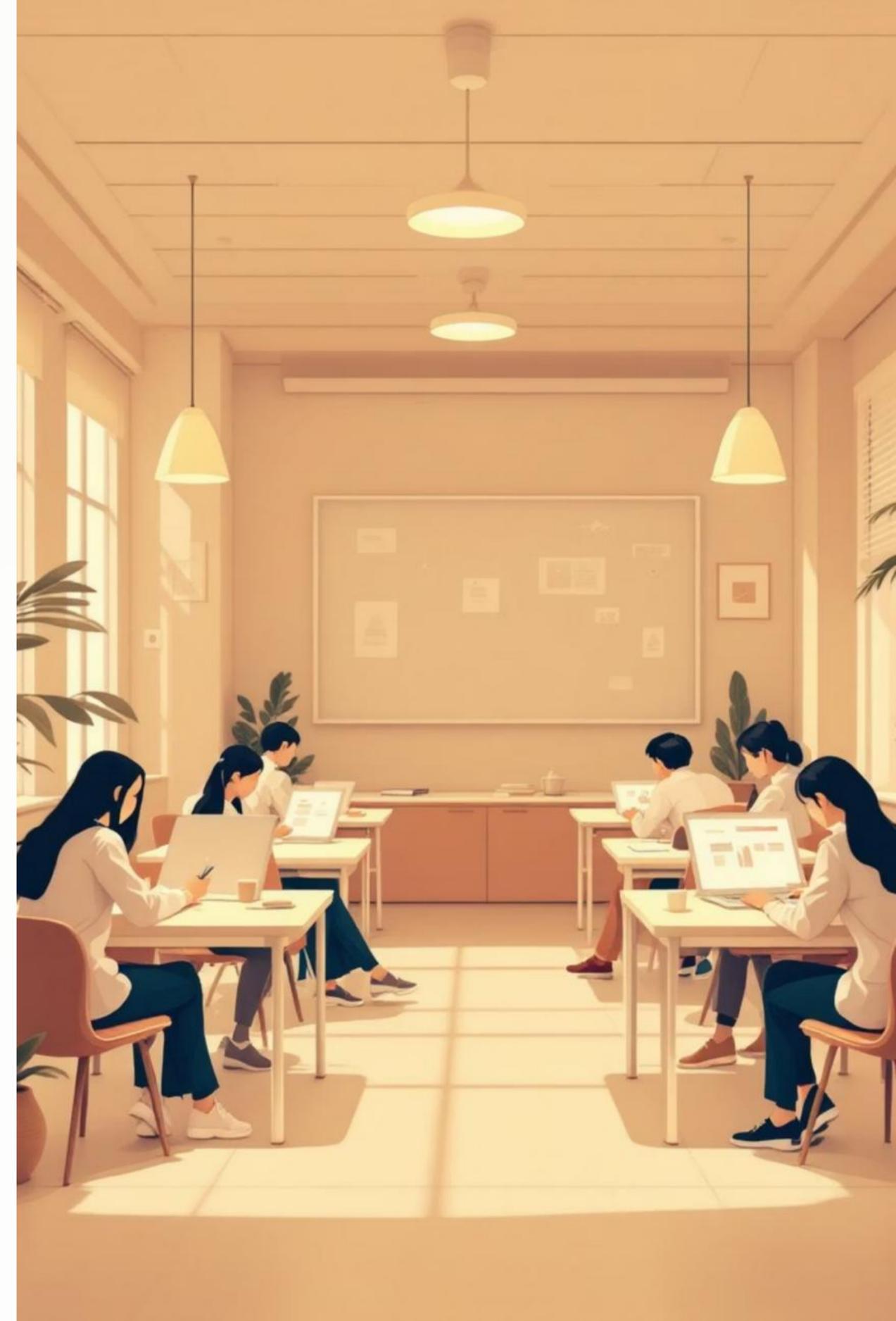Continuous learning and development of new skills

Active Participation

Students engaged in digital learning

Technology Integration

Careful Inclusion in Instruction

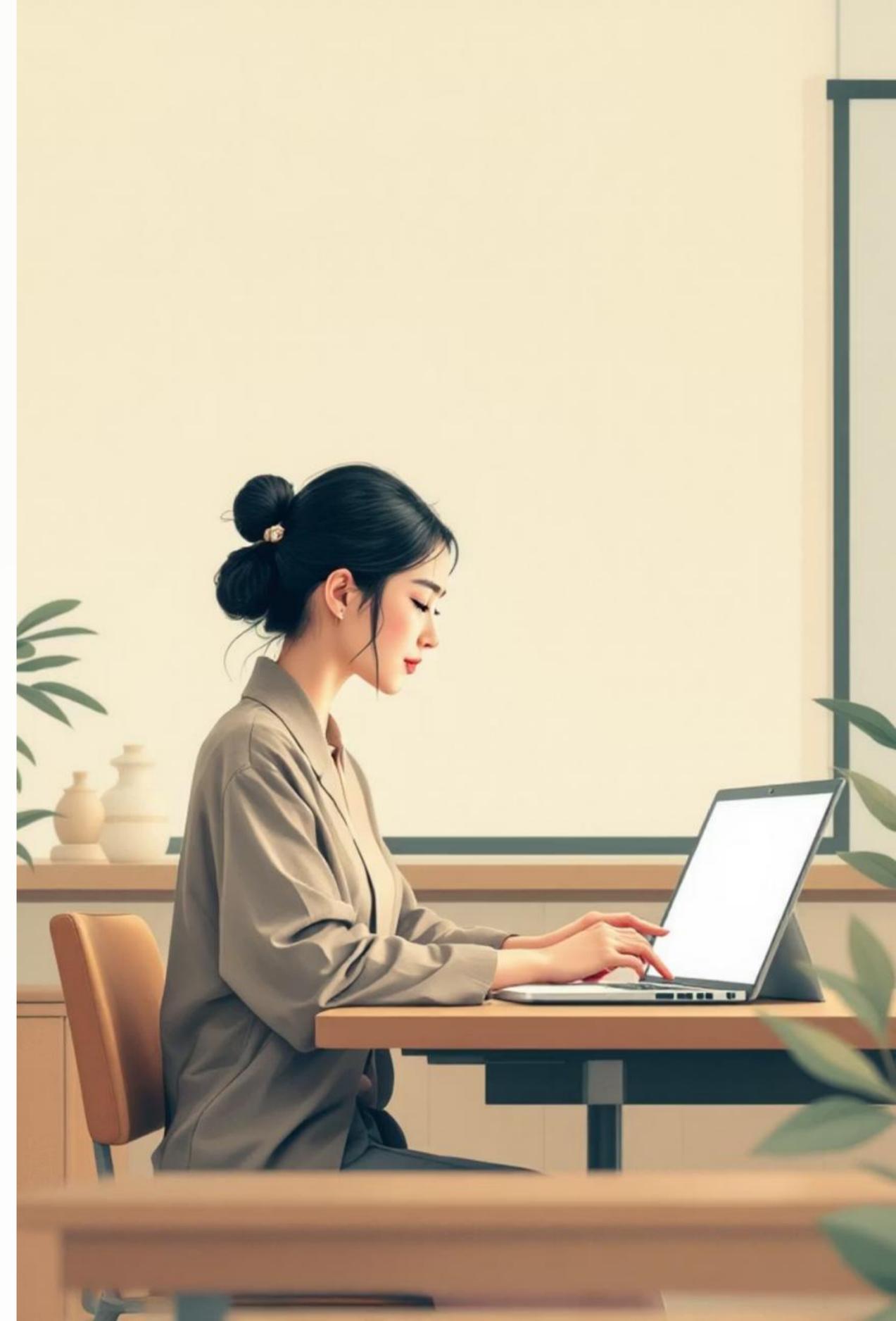Professional Development

Continuous Improvement

What is digital competence?

KEY ELEMENTS

- Application of digital technology

- Pedagogical and methodical competences

- Improving learning and assessment

- Students development

DEFINITION

Five areas of digital competence

Information literacy

Communication and collaboration

Creation of content

Problems solving

Safety and protection

DigCompEdu frame

European framework document for teachers' digital competences

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1
Professional engagement

2
Digital sources

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3
Learning and Teaching

4
Monitoring and evaluation

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5
Enabling students

6
Competence development

Digital literacy vs. Digital competence

Digital literacy

Fundamental knowledge and abilitie

Working with digital devices (computer, tablet, phone)

Critical reading and evaluation of online content

Using the internet, email, searching for information

Basics of digital security**s**

Digital competences

Integration for professional purposes

Skillful use for work and professional communication

Creating digital content (videos, interactive materials)
Tools for collaboration, organization, and management

Advanced understanding of security, privacy, and ethics

Pedagogical use of digital tools (DigCompEdu)

Where can digital competence be acquired?

FORMAL EDUCATION

NONFORMAL LEARNING

• Microsoft Learn for Educators

• Google for Education Training

• Coursera, edX, FutureLearn

• European Schoolnet Academy

• YouTube educative chanel

Practical application

Opportunities for development

AI training programs

Artificial Intelligence
courses

ChatGPT, Gemini, Copilot

Accredited programs

Microsoft Educator Center

Sertificate for Teams, Minecraft Education, AI for Educators

EPALE PLATFORM

CHALLENGES

Systemic issues

HUMAN FACTORS

How can digital competence be improved?

SELFEVALUATION

SELFIE for Teachers

CONTINIOUS
EDUCATION

ONLAJN
RESOURCES

PRACTICAL
IMPLEMRNTATION

SHARING EXPERIENCE

Perspective for future

1   National strategy

2   Cooperation agreements

3   European support

Harmonization with DigCompEdu and the updated DigComp 3.0 framework,

which integrates more AI.
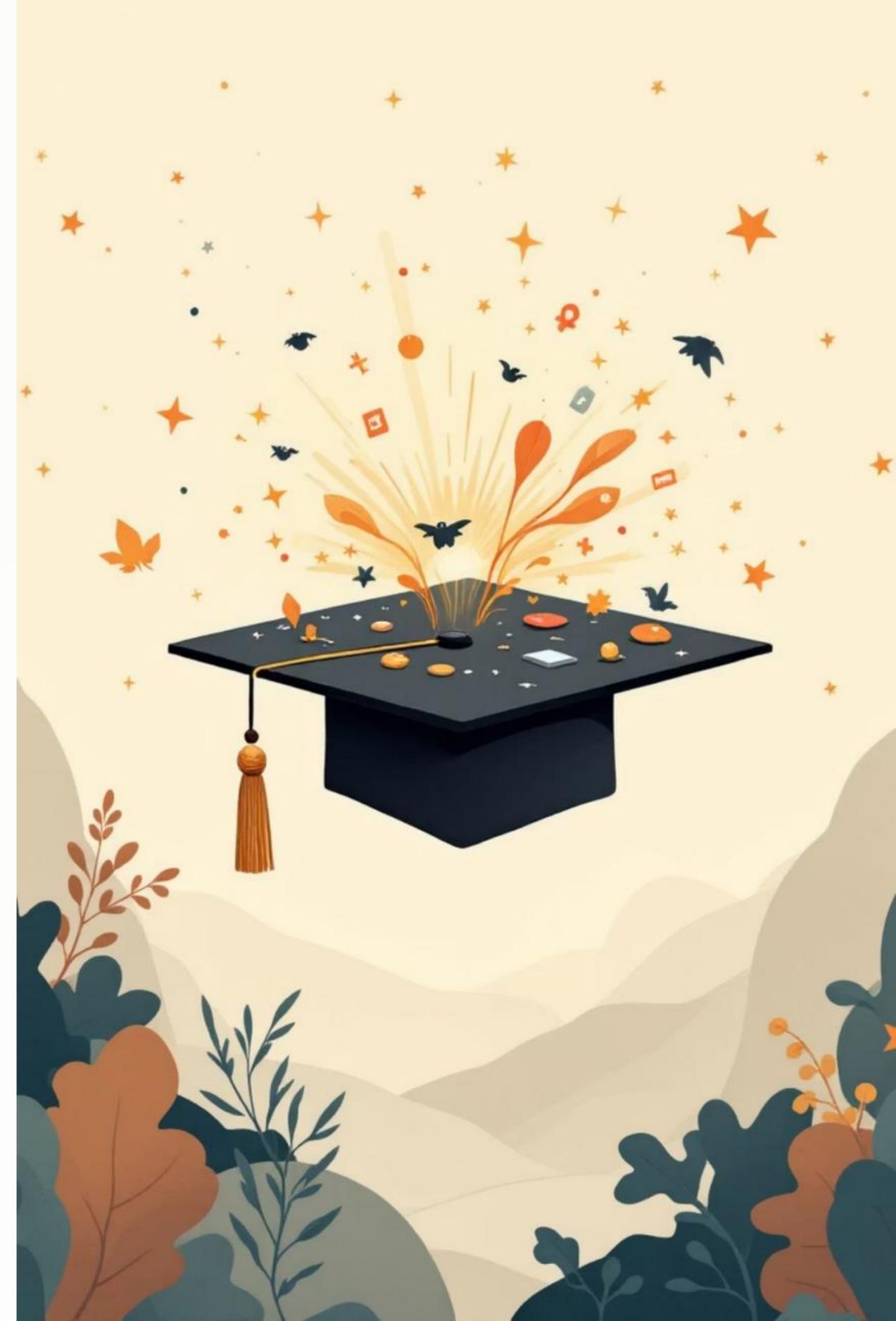
4   By 2030: AI standard

According to UNESCO and Forbes, AI will become a standard in education

with a focus on ethical use.

Investing in education is an investment in the future.

Only an educated and qualified workforce can contribute to the development of society and the environment in which we live.

Every investment in the educational process returns double to the state.

Thanks