

Inclusive, differentiated, and learner-supportive uses of AI

Work Package 4, Module 5

Erasmus+ AI-NYELV project no. 2024-2-HU01-KA220-HED-000284589

What does it mean?

- Inclusive, differentiated, and learner-supportive uses of AI



Inclusive, Differentiated and Learner-Supportive Uses of AI

More accessible • More personalised • More supportive learning

AI supports
teachers and learners
– not replaces them!



Inclusive

Making learning accessible to everyone.

AI can help remove barriers that may prevent some learners from participating fully.



Accessibility

Text-to-speech, speech-to-text, captions and audio materials.



Language support

Translation, simplified explanations and vocabulary assistance.



Multiple ways to learn

Combining text, audio, images and interactive activities.



Support for diverse learners

Adapting materials for students with dyslexia, ASD or other learning needs.



Equal participation

Helping learners access the same educational content in different ways.



Example

A student with dyslexia listens to an AI-generated audio version of a foreign-language text while following the written version.



Differentiated

Adapting learning to individual needs.

AI can help teachers and learners adjust the difficulty, pace and type of learning activities.



Different difficulty levels

Creating easier, standard or more challenging texts.



Personalised practice

Generating exercises based on a learner's mistakes.



Flexible pacing

Allowing students to repeat explanations or move ahead.



Different interests

Creating examples and tasks related to learners' interests.



Individual feedback

Identifying errors and suggesting ways to improve.



Example

AI creates three versions of the same reading task, with different vocabulary and comprehension questions, to meet different proficiency levels.



Learner-Supportive

Helping learners understand, practise and learn independently.

AI can act as a learning assistant that supports students without replacing their own thinking.



Scaffolding

Breaking difficult tasks into smaller steps.



Explanations

Clarifying grammar, vocabulary and difficult concepts.



Practice

Providing opportunities to practise speaking, writing, reading and listening.



Feedback

Giving suggestions for improvement.



Learning strategies

Helping students plan, monitor and evaluate their learning.



Confidence

Providing a safe space to ask questions and make mistakes.



Example

A student asks AI to explain a difficult grammar rule, practise it through exercises and give feedback on their answers.



In simple terms
Source: ChatGPT



Inclusive

Can everyone access and participate?

→ e.g. audio, captions, simplified text



Differentiated

Can learning be adapted to individual needs?

→ e.g. different difficulty levels



Learner-Supportive

Can AI help learners understand and improve?

→ e.g. explanations, practice and feedback

What is inclusive education?

Why is it important in foreign language classroom?



INCLUSIVE EDUCATION & FOREIGN LANGUAGE LEARNING

KEY PRINCIPLES AND BENEFITS



1

WHAT IS INCLUSIVE EDUCATION?
Core Principles: Respect for Diversity, Access for All, Collaboration & Support. All students learn together in the same classroom. Remove barriers.



2

WHY IMPORTANT IN LANGUAGE CLASSROOM?
Critical to creating a supportive learning culture. Fosters empathy and values individual differences.



3

**KEY BENEFITS:
LOWERING THE AFFECTIVE FILTER**
Reducing language anxiety and boosting student confidence.



4

**KEY BENEFITS:
SUPPORTING DIVERSE LEARNING PROFILES**
Individualized progress. Differentiated content (text, visual, flexible tasks).



5

**KEY BENEFITS:
ENHANCING ENGAGEMENT & MOTIVATION**
Providing personalized content. Catering to multiple learning styles.



6

**KEY BENEFITS:
PREPARING FOR AUTHENTIC COMMUNICATION**
Fostering cross-cultural understanding. Collaborative peer groups.

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Why is AI awareness in (inclusive) education important?

WHY IS AI-AWARENESS

IMPORTANT IN (INCLUSIVE) EDUCATION

KEY DRIVERS FOR A EQUITABLE, TECH-DRIVEN FUTURE



1 PROMOTES EQUITABLE ACCESS & AGENCY

Empowers all students to independently select adapt AI-based assistive technology (TTS, translation, dynamic scaffolding) to their unique needs.



2 FOSTERS CRITICAL THINKING & ETHICAL USE

Teaches learners to recognize limitations, biases, and cultural gaps in AI models, viewing AI as a supportive aid, not an absolute authority.



3 REDUCES THE DIGITAL DIVIDE

Ensure every learner understands how to use AI effectively, not just access the hardware, preventing disadvantaged students from being left behind.



4 EMPOWERS TEACHERS FOR DIFFERENTIATION

Enables educators to move beyond 'one-size-fits-all' and design personalized learning materials, adapt reading levels, and lower student anxiety efficiently.



5 PREPARES STUDENTS FOR AN AI-DRIVEN FUTURE

AI proficiency is a foundational skill. Early cultivation of AI awareness ensures equal career and social opportunities in an evolving global workforce.



6 CELEBRATING DIVERSITY & GLOBAL CONNECTIONS

Encourages a positive cultural perspective, global collaboration, and value of diverse identities and learning styles.

LEARNING FOR ALL - AI-EMPOWERED
Inclusive School

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AI tools that can be used for inclusive,
differentiated, and learner-supportive
foreign language teaching/learning



AI in Foreign Language Teaching and Learning

In simple terms...

Better access
More choice
Greater support



Inclusive AI

Everyone can access the learning.

AI removes barriers and makes foreign language learning accessible to all students, regardless of their needs.



Text-to-speech & audio



Captions



Translation & simplified language



Multiple formats (text, audio, video)



Different ways to the same goal!



Differentiated AI

Everyone can learn at an appropriate level.

AI adapts content, tasks and pace to meet individual needs, interests and learning styles.



Different difficulty levels



Personalised practice



Flexible pace



Varied topics and interests

A1

- simpler vocabulary
- basic questions

B1

- everyday language
- more complex tasks

B2

- advanced vocabulary
- open-ended questions

Same goal. Different paths.



Learner-Supportive AI

Everyone can practise, receive feedback, and become more independent.

AI acts as a learning assistant, helping students understand, practise and improve at their own pace.



Explanations & examples



Practice activities



Personalised feedback



Learning strategies



Ask
Practise
Improve
Grow



Important!

Source: ChatGPT



AI should support teachers, not replace them.

Teachers should check AI-generated materials for accuracy, appropriateness, accessibility and bias, and decide how AI is used in the classroom.



Accuracy



Appropriateness



Accessibility



Bias



ChatGPT

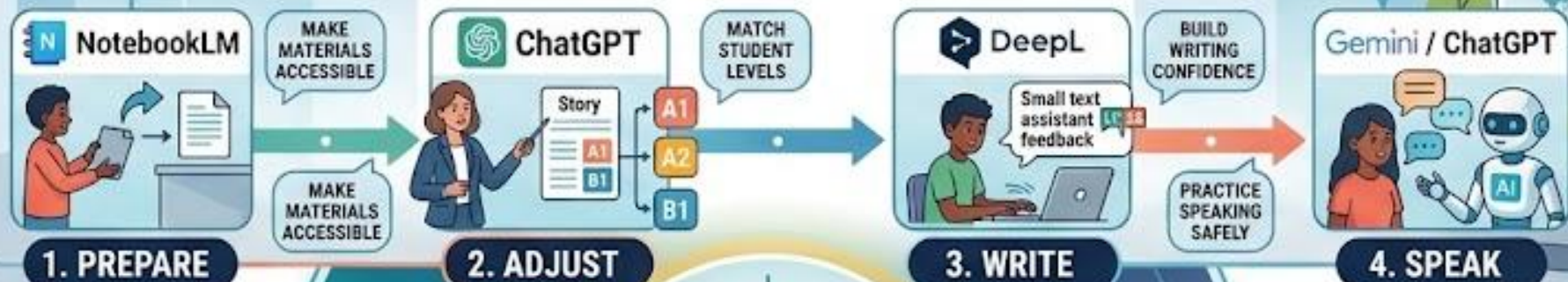
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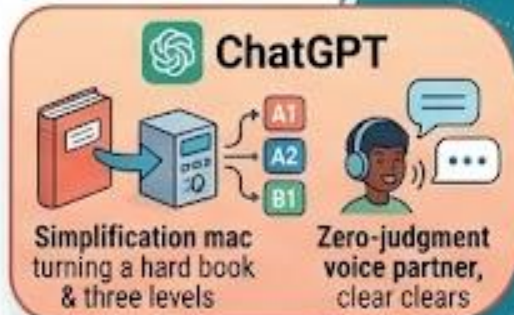
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SIMPLIFIED AI TOOLS FOR INCLUSIVE LANGUAGE LEARNING

SIMPLE CLASSROOM WORKFLOW



AI TOOLS: SUPERPOWERS FOR ALL LEARNERS



Google NotebookLM



3 WAYS IT HELPS LEARNERS

1. ACCESSIBILITY

2. PERSONALIZED LEVELS

3. LOWERING ANXIETY

LEARNING FOR ALL - CONNECTING COMMUNITIES

Włączająca Szkoła