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# Использование технологии искусственного интеллекта в подготовке учителей иностранного языка

Учебно-методическое пособие

На английском языке

Челябинск
2025

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В данном учебно-методическом пособии рассматривается феномен искусственного интеллекта, особенности его применения в иноязычной образовательной деятельности при подготовке будущих учителей иностранного языка. Приведены примеры возможного использования искусственного интеллекта в образовательной среде, выделены достоинства и недостатки этой технологии. Материал пособия может быть использован для аудиторной и самостоятельной работы обучающихся по дисциплинам «Практика устной и письменной речи», «Практический курс английского языка», «Методика преподавания английского языка», «Методика обучения и воспитания (английский язык)», «Методика преподавания иностранных языков».

# Contents

# ПОЯСНИТЕЛЬНАЯ ЗАПИСКА

В современных условиях цифровизации образования и стремительного развития технологий искусственного интеллекта особую значимость приобретает подготовка педагогических кадров, способных эффективно интегрировать инновационные технологии в образовательный процесс.

Учебно-методическое пособие «Использование технологий искусственного интеллекта в подготовке учителей иностранного языка» разработано в соответствии с требованиями федеральных государственных образовательных стандартов высшего образования и направлено на формирование профессиональных компетенций будущих учителей иностранного языка в области применения современных технологий искусственного интеллекта. Данное пособие призвано восполнить существующий пробел в методическом обеспечении подготовки учителей иностранного языка в области применения ИИ-технологий.

Цель пособия — формирование у будущих учителей иностранного языка теоретических знаний и практических навыков использования технологий искусственного интеллекта в профессиональной деятельности.

Основными задачами учебно-методического пособия являются:

- ознакомление с теоретическими основами искусственного интеллекта и его применением в образовании;
- формирование навыков работы с современными ИИ-инструментами для обучения иностранным языкам;
- развитие умений разрабатывать и внедрять инновационные образовательные решения на основе ИИ.

Пособие включает:

- теоретические основы искусственного интеллекта в образовании;
- современные ИИ-технологии в обучении иностранным языкам;
- практическое применение ИИ-инструментов;
- методические рекомендации по разработке ИИ-ориентированных учебных материалов;
- примеры реализации ИИ-технологий в учебном процессе;
- контрольные задания и вопросы для самопроверки.

После изучения материалов пособия обучающиеся должны:

- знать теоретические основы и принципы работы ИИ-технологий;
- уметь применять ИИ-инструменты в учебном процессе;

- владеть навыками разработки ИИ-ориентированных учебных материалов;
- быть готовыми к профессиональному развитию в условиях цифровой трансформации образования.

Данное пособие является актуальным методическим ресурсом, способствующим повышению качества подготовки педагогических кадров в области использования современных технологий искусственного интеллекта.

Материалы пособия могут быть использованы:
- в процессе подготовки будущих учителей иностранного языка;
- при повышении квалификации педагогических кадров;
- в системе дополнительного профессионального образования;
- для самостоятельной работы преподавателей.

# What Artificial Intelligence is

Artificial Intelligence (AI) has become an essential technology in many industries and fields, and it is rapidly transforming education. As AI skills continue to be in high demand in the job market, it has become crucial for educators to introduce their students to AI and its applications. By integrating AI into their teaching, educators can prepare their students to succeed in an AI-driven world and open up new opportunities for learning.

Artificial intelligence is a field that explores the creation of machines capable of mimicking human behaviour. Within the realm of AI, neural networks are a subset that utilizes the principles of the human brain for modelling. AI encompasses a wide range of techniques and approaches, including neural networks, machine learning, natural language processing, and robotics.

Generative AI refers to a subset of AI designed for generating various types of content, including text, code, videos, and images. Among the most popular GenAI tools in language teaching are large language models (LLMs), such as generative pretraining transformers (GPTs), which include OpenAI's ChatGPT and Anthropic's Claude platforms. These LLMs utilise deep learning techniques and extensive datasets sourced from the internet or specialised knowledge bases to produce new and often surprising content in response to diverse and complex prompts like scenarios,

images, instructions, or questions. Instead of relying on predefined rules, LLMs generate content by identifying patterns and relationships within the data to produce statistically probable outcomes.

Artificial intelligence crosses many different domains, including fields such as computer vision (think self-driving cars which can distinguish a pedestrian from a signpost) and predictive analytics (think about the Facebook timeline, which predicts what story you want to see next based on what you've clicked on before). In fact, a more helpful term for thinking about what artificial intelligence can do is machine learning. Machine learning is when humans (generally data scientists) use large data sets to train computers to make models which predict the outcome of some future event. This could be the likelihood of it being safe for a self-driving car to make a left turn, or – to use a language learning example – the likelihood that a student will know how to translate the word into English.

AI can be used to enhance personalized learning, allowing teachers to tailor instruction to individual students' needs and abilities. AI-powered virtual assistants and chatbots can also assist in providing immediate feedback, answering students' questions, and supporting language learning.

Additionally, AI can be used in classrooms to help students develop critical thinking and problem-solving skills. By teaching them how to use AI to analyse data and identify patterns, students can learn how to tackle real-world problems in various fields, from healthcare to climate change.

We have entered the age of generative AI, and students will find themselves graduating into a workforce where the ability to navigate this new technology will be an expectation. While each educator will need to find what works for them, through a combination of transparent conversations and expectations together with thoughtfully redesigned assignments and assessments, they can address their concerns and change the narrative from catching students cheating to helping students thrive in an AI world. Artificial intelligence is an important paradigm which is having a powerful impact on many fields, including education.

## Artificial Intelligence Principles

While AI can offer many opportunities and benefits to teachers and learners, it is important to remember that, as with any new technology, there are also risks and challenges to be considered. These practical guidelines offer principles to help you make responsible choices when using AI in your teaching.

*Human first.* A human-centred approach focuses on the needs and well-being of everyone. It makes sure that digital tools improve

learning while keeping safety, privacy, ethics and human control in mind.

1. Check if the outputs of AI tools are accurate, inclusive and appropriate. Where possible, help others, like leaders, guardians and learners, understand how to check AI results too.

2. Make decisions based on your specific context, because AI systems might have limited information about certain places and cultures.

3. Discuss and share your questions, learning and experiences with colleagues to improve understanding and knowledge of AI-powered tools.

*Privacy and data rights.* You must protect learners' and your own personal or sensitive data. There is a risk of your inputs being used to train AI tools, and of misuse of your data or fraud. You must also be mindful not to break copyright rules.

1. Always remove all personal information like names, email addresses, phone numbers, addresses, student IDs, workplaces and photos. Make sure no one (learners, teachers, parents/guardians) can be identified.

2. Check the platform copyright statement and terms of use. If using AI-generated content, check if it is authentic, who owns it and if you have the right to share it.

3. When choosing an AI tool, think about how it uses and stores data. Where possible, find the setting that means the AI tool will not use your data for training.

*Ethics and bias.* Remember that AI tools can produce unreliable, biased or unsuitable
content. Make sure you do not use material that is incorrect, harmful or offensive, or that discriminates against any social groups.

1. Check AI content for fairness. Look at the AI-generated content to see if it shows equal respect to all individuals and communities. Make sure it does not show any bias, stereotypes or discrimination. If you notice any unfairness, try to address it or avoid using that content.

2. Always tell learners how you will use the AI tool and get their permission. Whether marking homework, summarising learners' opinions or asking others to use an AI tool (like a chatbot), explain that they are not talking to a human, share the risks and provide guidance for protecting their personal information.

3. Think about the climate impact of using AI. Try to reduce the number of prompts and searches. Check if the AI tool is made by a company that is working to reduce environmental impacts.

4. Consider accessibility for learners with disabilities or additional needs. Check if the interaction modes are suitable for your learners,

consider the target age group and check if it works with any assistive technologies your learners use.

*Safety.* Using AI-powered tools responsibly and safely prevents exposure to inappropriate content and protects your and your learners' data, rights and well-being.

1. Follow your workplace's rules for cybersecurity and safeguarding. This is very important for everyone's security and well-being.

2. Model safe and good practice if using an AI tool in class or on social media so that others learn from you.

3. Make sure everyone knows how to report safeguarding concerns, including issues that happen in interactions with an AI system.

*Transparency.* Be open and honest when you use AI to help you. Remember, the outputs from generative AI are based on user prompts. If prompts are incorrect or non-inclusive, it can result in content that harms or misrepresents people.

1. Make it clear when you use AI to help with work. Mention the AI tool used and
the specific version or model in a reference.

2. Include the prompt you used in your reference. The prompt is the text or question you give to the AI tool when asking it to do something.

3. Ask the AI tool for the steps it took to create the output.

4. Ask learners to state when they use AI-powered tools in their homework or assignments. Include this in a class contract and instructions.

*Accountability and responsibility.* We are all answerable for when, why and how we use Al. By using AI-powered tools in a responsible way, we maintain our learners' trust in us.

1. Follow these guidelines and school policies. We need to respect safety, privacy and fairness and be clear about how we use AI.

2. Involve guardians and learners in making decisions about using and monitoring AI-powered tools.

3. Make instructions and information available in different formats, such as posters or checklists, so that everyone can access them easily.

## Artificial Intelligence Literacy

AI literacy represents the technical knowledge, durable skills, and future-ready attitudes required to thrive in a world influenced by AI. It enables learners to engage, create with, manage, and design AI, while critically evaluating its benefits, risks, and ethical implications. The teaching of AI literacy is a shared responsibility across the education ecosystem, rather than the duty of any individual educator. The AI literacy includes:

*Engaging with AI:* This involves using AI as a tool to access new content, information, or recommendations. These situations require learners to first recognize AI's presence, then evaluate the accuracy and relevance of AI outputs. Learners must develop a fundamental understanding of AI's technical foundations in order to critically analyze its capabilities and limitations."

*Creating with AI:* This domain consists of collaborating with an AI system in a creative or problem-solving process. It involves guiding and refining AI output through prompts and feedback, while ensuring the content remains fair and appropriate. It also involves ethical considerations related to content ownership, attribution, and the responsible use of existing materials.

*Managing AI:* This "requires intentionally choosing how AI can support and enhance human work. This includes assigning structured tasks to AI, such as organizing information, so humans can focus on areas requiring creativity, empathy, and judgment. AI systems can simulate a variety of roles, acting as an analyst, debate partner, or career guide. Learners who manage AI's actions learn to delegate tasks thoughtfully, guide AI outputs with clear instructions, and assess whether AI's role aligns with their goals and values. This domain helps learners build agency, ensuring that AI works for them and that its use remains ethical and human-centred.

*Designing AI:* This empowers learners to understand how AI works and connect it to its social and ethical impacts by shaping how AI systems function. Through hands-on exploration in an education context, students examine how data, design choices, and model behaviour influence the fairness, usefulness, and impact of AI systems. The goal is not to develop commercial products or put them into service, but to build the confidence and capacity to shape AI for human good by understanding the principles underpinning the design of AI from an early age.

## AI Teacher Assistant Tools and Teacher Practices

Teachers have grappled with the time-consuming nature of grading and lesson planning feedback for years. However, the emergence of AI-powered assessment tools is revolutionizing these aspects of teaching, offering teachers new ways to assess student learning and develop lesson plans. However, the influence of AI extends far beyond grading and planning, permeating various aspects of teaching, including classroom activities, student support, and communication. Let us explore how AI is changing these areas:

1. Lesson Planning and Brainstorming

*Generating Lesson Ideas and Activities:* AI tools can help teachers brainstorm lesson ideas, suggest engaging activities, and even

provide complete lesson plans aligned with specific learning objectives and standards. For example, teachers can prompt AI to generate ideas for lessons on a specific topic, specify the grade level and subject, and even request activities that promote critical thinking. This can be particularly helpful for teachers in subjects like ELA and Social Studies who often customize or develop their own lessons.

*Adapting Content to Grade Level:* AI can assist teachers in adjusting existing content to make it appropriate for different grade levels. This can save time and ensure materials are tailored to students' learning needs. Teachers are actively using AI to modify content for different grade levels, and for varied student abilities.

*Creating Supplementary Materials:* AI can generate a range of supplementary materials, such as study guides, quizzes, worksheets, and flashcards. This can free up teachers to focus on other aspects of instruction and provide students with additional resources for practice and reinforcement.

2. Classroom Activities and Student Engagement

*Interactive Learning Experiences:* AI can enhance classroom activities by enabling interactive learning experiences. Tools like Kahoot! Numbers can gamify practice, motivating students to learn through friendly competition. Teachers can use AI to create

engaging consecutive prompts that encourage active student participation.

*Personalized Learning:* AI-powered adaptive learning platforms, like Duolingo and Quizlet, offer personalized practice exercises based on individual student performance. This tailored approach can cater to different learning styles and paces, promoting student engagement and mastery.

*Facilitating Inquiry and Exploration:* AI tools like ChatGPT can be used to facilitate student inquiry and exploration. Students can ask AI questions, research topics, and even use it to brainstorm ideas for projects, expanding their learning beyond the confines of the classroom.

3. Student Support

*Personalized Tutoring:* AI can provide students with one-on-one tutoring, offering guided practice, specific feedback, and encouragement. This can be particularly beneficial for students who need extra support or are struggling with certain concepts. AI-enabled Intelligent Tutoring Systems (ITS) have evolved to provide more personalized support, moving beyond simple problem-solving to address motivational and social aspects of learning.

*Supporting Diverse Learners:* AI can assist teachers in supporting students with diverse learning needs, including those with disabilities and English language learners. Tools can translate speech or written materials, provide alternative formats for content, and offer individualized support tailored to specific needs.

4. Communication with Students and Parents

*Generating Communications:* AI can help teachers draft various types of communication, including announcements, newsletters, and emails to students and parents. This can save time and ensure that communication is clear and concise. Teachers are using AI to draft emails and communications, an area where AI is making a practical impact.

*Providing Feedback:* AI can assist teachers in providing feedback to students and parents, offering suggestions for improvement and highlighting areas of strength. Many AI-powered tools allows teachers to provide precise, rubric-aligned feedback on student work, though this feature is behind a paywall.

*Facilitating Parent-Teacher Conferences:* AI can help teachers prepare for parent-teacher conferences by analyzing student data, generating reports, and even suggesting talking points based on individual student progress. This can lead to more productive and data-informed conversations with parents.

5. Additional Teacher Practices

*Professional Development:* AI can create personalized professional development opportunities for teachers, offering resources, courses, and suggestions based on individual needs and areas of interest. This can help teachers stay updated on best practices and enhance their skills in using technology effectively.

*Automating Administrative Tasks:* AI can assist with a range of administrative tasks, such as scheduling, grading, and data entry, freeing up teachers to focus on instruction and student interaction.

Overall, AI is not merely automating tasks but fundamentally changing how teachers approach their profession. It provides tools that empower teachers to personalize learning, provide targeted support, and gain deeper insights into student progress. However, it is essential to remember that AI should be used thoughtfully and ethically, always cantering human judgment and prioritizing the well-being of students. As the field of AI in education is rapidly evolving, new tools and capabilities emerge frequently. It is crucial for teachers to stay informed about the latest advancements and critically evaluate the tools available to make informed decisions about their implementation in the classroom.

## Effective Strategies for AI Teaching and Learning

Many teachers have already experimented with AI tools. However, despite the rapid advances in AI, educators are generally hesitant to introduce AI into classrooms. A significant reason for this is that many teachers are unsure about how to best utilize AI for teaching purposes.

The framework of a "target of difficulty" is extremely helpful in understanding the proper role of generative AI in learning and teaching. A target of difficulty is the intersection of three conditions. First, teachers identify topics that they find challenging to teach, excluding topics they teach well. Second, teachers pinpoint topics that are crucial for students to understand. Third, teachers identify curriculum topics where AI might be of assistance. The intersection of these three conditions —something that is challenging to teach, important to teach, and where AI can be beneficial — is a target of difficulty. These targets often serve as excellent starting points for teachers considering the use of technology to create opportunities for enhanced and impactful student learning.

A common challenge across grades and disciplines is teaching complex concepts in a way that students can truly understand, making it a fundamental target of difficulty. It is inherently difficult for students to understand abstract topics because they cannot visualize the connection between an abstract idea and specific

scenarios. Understanding abstract concepts is crucial for students, as failure to do so may hinder their deeper understanding of the curriculum.

Below are some great entry points for leveraging AI effectively for teaching and learning.

1. Example Generator

Firstly, AI excels as an example generator. Examples serve as a powerful tool for students to grasp complex concepts and processes, providing a concrete basis to contextualize and illuminate abstract ideas. Examples also lay the foundation for students to extend their knowledge to new situations. AI in general is capable of rapidly producing a wide range of examples across various subjects. AI can generate relevant and engaging examples that directly relate to the students' experiences, interests, or current events, making abstract concepts more relatable and easier to understand. For instance, AI can generate a diverse set of examples for teaching phonics and sight words to elementary school students, provide examples of literary devices and themes, and generate examples of scientific phenomena and advanced concepts. In all, educators can utilize AI to create an extensive and varied collection of examples and scenarios related to the subjects their students are learning.

2. Analogies Generator

Secondly, AI can provide analogies that can act as a bridge between familiar experiences and new information. These can help students understand difficult and abstract concepts. A well-known and effective analogy for understanding fractions is comparing them to slices of pizza. AI can supply many more analogies for use in your teaching. For example, in math, functions can be thought of as vending machines: you input something (insert money and select a product), and the machine outputs something in response (dispenses your chosen product). This analogy can help students understand how inputting different values into a function produces different results. Furthermore, explaining the concept of a computer network using a city's transportation system as an analogy helps students visualize how data moves within networks similar to how people travel around a city.

3. Simplified Explanations

Thirdly, AI can help simplify complex ideas into simpler, more digestible terms without losing the essence of the concept. This approach is crucial for making learning accessible to students of different ages and comprehension levels. For example, a simplified explanation of the water cycle would use everyday language and relatable concepts (like the sun heating water and forming clouds). Complex terms like "evaporation," "condensation," and "precipitation" could be explained through actions (water turning into vapour, forming clouds, and falling as rain) that primary school

students can easily visualize and understand. Furthermore, teachers can prompt generative AI to explain concepts for a specific grade level or age. This can further simplify complex language. In all, this approach demystifies complex topics, making them easier to grasp.

4. Manageable Steps

AI can deconstruct complex concepts into manageable steps. For instance, by breaking down mitosis into its distinct phases, the process becomes more comprehensible for students to understand and remember. Each phase has specific, identifiable changes and events, which assist students in visualizing the dynamic process of cell division. This approach demystifies a complex biological process and aids in retention and understanding. Similarly, each step of a long division problem can be broken down to make the process more understandable. Starting with dividing a small part of the dividend simplifies the task, making it less intimidating. The repetition of steps ensures that students practice the process until it becomes familiar, gradually building confidence and competence.

5. Visualizations

AI can design visualizations, a potent strategy for teaching complex ideas. Visual aids, such as diagrams, flowcharts, and illustrations, can make abstract concepts more concrete, simplify intricate processes, and highlight relationships between components in a visually intuitive manner. Fortunately, there are many AI tools

available that can help visualize concepts. For example, Canva offers a user-friendly interface with drag-and-drop features that make it easy to create diagrams, flowcharts, and illustrations. While not exclusively AI-driven, it includes AI elements that simplify design processes, such as auto-adjusting layouts and suggesting design elements. Adobe Spark provides easy-to-use templates for creating graphics, web pages, and short videos. Its features are designed for quick content creation, making it suitable for educators looking to develop visual content without extensive design experience. Overall, visual aids created with these tools can significantly enhance understanding, engagement, and retention of complex subjects for students.

6. Conversational Dialog

AI can engage students in a dialogue, allowing them to ask questions and explore concepts through conversation. This interactive approach encourages active learning and can help clarify difficult points in real-time. One of the most exciting recent developments has been OpenAI's roll-out of a new voice feature in ChatGPT. It can engage students in a verbal dialogue, allowing them to ask questions and explore concepts through conversation. In physics, while studying Newton's laws of motion, students could use ChatGPT to explain real-world phenomena or experimental

observations, receiving feedback on their understanding and application of these laws. This interactive approach encourages active learning and can help clarify difficult points in real-time.

Beyond ChatGPT, a variety of AI tools and platforms can facilitate interactive learning, each offering unique capabilities to enhance educational experiences across various subjects. Wolfram Alpha is a computational knowledge engine that answers factual queries directly by computing the answer from externally sourced data. Students can interact with Wolfram Alpha to solve complex math problems, conduct science experiments, and explore a wide range of subjects using its vast database and computational abilities. Quizlet is a tool for creating and studying flashcards and interactive learning games. AI algorithms suggest study modes and materials based on the learner's performance, making studying more efficient and tailored to individual needs.

7. Multidisciplinary Connections

AI can assist in making multidisciplinary connections. This involves integrating knowledge and skills across various subjects to provide students with a more cohesive understanding of how concepts apply in the real world. AI tools can significantly enhance this approach by offering diverse, interactive, and integrated learning experiences. AI can also help students make connections between, for instance, the math behind art patterns or the science in

historical inventions. Wolfram Alpha excels in computational intelligence, answering questions, and performing analyses across mathematics, science, and beyond. It can demonstrate the mathematics behind economic models or the physics principles in biological systems, bridging subjects through computational essays and interactive models. Lastly, by using AI features in Google Sheets, students can learn about data analysis, statistics, and even predictive modelling in a hands-on way. This tool can connect mathematics, computer science, and subjects like geography or history through data visualization projects.

The ultimate goal of integrating AI into education goes beyond simplifying complex concepts; it lies in personalizing the learning journey for each student. AI's ability to tailor educational content to individual needs, preferences, and learning paces is exciting and transformative. Personalized education, facilitated by AI, can significantly improve engagement, comprehension, and retention of knowledge.

## How We Interact with AI

If we want to interact with AI, we can do so using *prompts*. These are commands, usually delivered using text or speech-to-text. Prompts can be short and very much like a conversation, but they can also be quite long, like small computer programs with a string of instructions and rules for the AI to execute.

One of the most important aspects of learning how to use AI is learning how to prompt it effectively. We cannot assume that it has the same shared knowledge that we have when we talk to another human. It is also very literal in its understanding of language, so you need to choose your words carefully. It is important that your prompt includes information about what you want, why you want it, the context, who the text is for and something about the level of the text; this could be academic level, level of maturity (e.g. suitable for a child of 5) or language level. You could also include information about the style, genre or format of what you want it to produce. Be prepared to experiment with your prompts and try different ways of expressing what you want, because they do not always work the way you want first time.

*AI Prompt Galleries for Teachers*

Prompt galleries offer an incredible resource to save time, spark creativity, and inspire lesson plans.

1. AIForTeachers.ai/Prompts

AIForTeachers.ai is a dedicated platform offering a wide range of free, teacher-specific AI prompts and AI tools. Designed with educators in mind, the site includes prompts for lesson planning, grading assistance, creative classroom activities, and even professional development. You can request a custom prompt for free, making it one of the most user-friendly and accessible resources for teachers exploring AI.

Why it is a must-visit:

Free prompts for various classroom scenarios.

Custom prompt requests to suit your unique teaching needs.

Regularly updated with new, cutting-edge ideas.

How to Request a Free Prompt:

Simply visit AIForTeachers.ai/prompts and fill out a short form describing your needs. Whether it is for a lesson plan or a classroom challenge, you will receive a tailored prompt within a short time!

2. Promptly for Teachers

Promptly offers a vast library of AI prompts focused on education, covering everything from personalized learning to gamified lessons. It also provides templates for using AI tools like ChatGPT and DALL·E in creative ways.

Why it is a must-visit:

Comprehensive prompt categories, including STEM, humanities, and classroom management. Step-by-step guides for using prompts with popular AI tools.

3. TeacherMade

This premium gallery is dedicated to providing high-quality prompts designed for educational contexts. Each prompt is tested for effectiveness in real classrooms, ensuring they deliver results.

Why it is a must-visit:
High-quality, curated prompts for advanced classroom use.
Focused on driving engagement and improving learning outcomes.

4. Kangaroos AI Prompts (Prompt Guide)
At the heart of Kangaroos AI Prompts is its educator-driven community, where teachers actively contribute and refine prompts. This ensures every suggestion is grounded in real-world classroom experience, making it a highly practical resource. The prompts available on the platform have been tested by educators, ensuring they deliver results. From lesson planning to creative classroom activities, these prompts are designed to save time and enhance teaching.

Fosters Collaboration and Growth: Kangaroos AI Prompts is not just a resource; it is a collaborative ecosystem. Teachers can share their unique AI strategies, exchange feedback, and even co-create prompts tailored to specific teaching challenges.

*How to Make the Most of AI Prompt Galleries*

Experiment freely: Try different prompts to see what works best in your classroom.

Customize prompts: Tailor prompts to fit the unique needs of your students and subjects.

Request support: Platforms like AIForTeachers.ai let you request specific prompts to address your unique challenges.

Engage students: Use creative prompts to make lessons interactive and fun.

*Examples of effective AI prompts*

These example prompts demonstrate the kind of information you might give an AI tool for a range of activities.

1. As a role play partner

Prompt template:

*We will role play together. You will act as a [AI's role] in [place/context]. I will be [Student's role].*

*Follow these rules:*

*• [add any rules you want the AI tool to follow]*

*• Use English suitable for CEFR level [add CEFR level]*

*• Wait for me to reply before continuing*

*• If you understand, then introduce yourself as [name of AI] and [how AI should start the conversation].*

Example prompt:

*We will role play together. You will act as a waiter in a restaurant.*

*I will be a customer.*

*Follow these rules:*

*• be polite*

*• be concise*

*• take turns to speak*

*• use English suitable for CEFR B1*

*• wait for me to reply before continuing*

*• if you understand, then introduce yourself as Sam and ask how you can help.*

## 2. Creating homework tasks

*Act as my English language teacher. I will tell you what I want to study, and you will create activities to check and develop my knowledge. If you understand, reply with 'I'm ready'.*

## 3. Giving examples of vocabulary or grammar points

*Please create a short realistic dialogue. Include vocabulary or grammar points.*

## 4. Creating a word list with definitions

*Analyse this text and create a glossary of the most difficult words. Format the glossary with three*

*columns. Column 1 words. Column 2 definitions. Column 3 a translation into [my language]. This is the text I would like you to analyse [copy and paste the text here].*

## 5. Testing yourself on a grammar point or topic

*Create a test for me to test my knowledge of [grammar point or topic]. Design the test at level [add the CEFR level that you are aiming towards]. Include ten questions. Ask me one question and wait for the answer before asking the next question. Give me feedback at the end of the test.*

## 6. Creating comprehension questions

*Please use the following text to create [add the number of questions] comprehension questions. Don't include the answers. I will upload the answers once I finish. Here is the text: [paste in the text].*

## 7. Asking for feedback

*Please evaluate my text. The text is [describe the type of text and who the text was written for]. Identify any errors and suggest up to [number] ways I can improve it. Here is my text: [paste in your text].*

## 8. Creating a study plan

*Please create a study plan for me. My goal is [describe your goal].*
*I'd like to achieve my goal in [add a period of time].*

**AI Lesson Planning Essential Tips**

In today's educational landscape, Artificial Intelligence offers exciting opportunities for teachers to streamline their AI lesson planning process. By leveraging AI tools for teachers focused in lesson planning, educators can speed up their workflow to better support their students.

AI lesson planning involves harnessing the power of artificial intelligence and machine learning to analyse vast amounts of educational data. By processing this data, AI algorithms can provide valuable insights and recommendations to educators, helping them make informed decisions about curriculum design, instructional strategies, and student support. Essentially, AI lesson planning empowers teachers to create more effective and personalized learning experiences for their students by leveraging data insights.

*Considering Beginner-Friendly AI-Powered Apps for Lesson Planning:*

1. Eduaide

Eduaide analyzes curriculum standards and student data to generate personalized plans, automating tasks like resource selection and differentiation. This streamlines the process, allowing teachers to focus on instruction and student engagement for better learning outcomes.

2. Kangaroos AI

The Kangaroos Advanced AI Lesson Planner is a cutting-edge tool designed to help teachers create detailed and effective lesson plans with ease. Utilizing advanced AI algorithms, this planner provides customized lesson structures, resources, and activities tailored to meet the specific needs of students. It streamlines the planning process, allowing educators to focus more on teaching and less on administrative tasks.

3. MagicSchool

MagicSchool uses personalized learning paths tailored to individual students, interactive lessons to maintain engagement, and adaptive assessments ensuring targeted support. With real-time feedback and collaborative activities, students are empowered to track their progress, work together, and excel academically.

4. ChatGPT

ChatGPT can also be used for lesson planning. You can do this by generating prompts or questions relevant to your subject matter,

allowing the AI to generate responses that spark creativity or provide insights. Incorporate We offer free ChatGPT prompts and a free Introduction to AI to teachers to get started.

### *Incorporating AI into Lesson Planning*

Here are practical steps to integrate AI into your lesson planning process:

Data Analysis and Insights: Utilize AI tools for teachers to analyse student performance data, identifying strengths and areas for improvement. Use insights gained to tailor lesson content and teaching strategies to meet the needs of individual students.

Content Recommendations and Resources: Use AI algorithms to recommend supplementary resources such as articles, videos, and interactive activities that align with lesson objectives. Curate content based on student interests and learning preferences to enhance engagement.

### *Monitoring and Evaluation*

After implementing AI tools for educators, it is important to monitor their effectiveness:

Assess Engagement: Observe student engagement and participation levels during AI-enhanced lessons. Look for signs of increased interest and motivation. Evaluate Learning Outcomes. Measure

student progress and achievement against learning goals. Compare pre- and post-assessment data to determine the impact of AI integration on student learning.

Feedback from Students: Gather feedback from students on their experience with AI-enhanced lessons. Ask for their thoughts on the effectiveness of personalized learning paths and automated assessments.

Reflection and Iteration: Reflect on your experience with AI lesson planning and identify areas for improvement. Consider adjusting your approach based on feedback and observations gathered during the monitoring process.

## AI Lesson Planning Tools for Teachers

AI lesson planning tools revolutionize education by streamlining tasks like curriculum alignment and resource gathering, freeing up teachers' time. They provide personalized recommendations based on student data, ensuring every learner's needs are met. These AI tools also offer insights through data analysis, helping educators make informed decisions to improve outcomes.

1. ChatGPT

ChatGPT can aid educators to generate lesson ideas and content based on their input, suggesting relevant resources and activities. It

also can help create rubrics, engaging materials like quizzes and presentations, adapts lessons for diverse learners, and provides feedback on plans. Additionally, ChatGPT generates discussion prompts, fostering critical thinking and meaningful student discussions, ultimately enhancing lesson planning effectiveness.

Pros: Creative inspiration, ease of use, instant feedback.

Cons: May lack in-depth analysis and personalization.

Price: Free version available; premium plans start at $10/month.

2. Kangaroos Advanced AI Lesson Planner

The Kangaroos Advanced AI Lesson Planner is a cutting-edge AI tool designed to help teachers create detailed and effective lesson plans with ease. Utilizing advanced AI algorithms, this planner provides customized lesson structures, resources, and activities tailored to meet the specific needs of students. It streamlines the planning process, allowing educators to focus more on teaching and less on administrative tasks.

Pros: Easy to use, even for those who are not tech-savvy. Provides access to a wide range of resources.

Cons: May take some time to get used to all features, as it also provides an AI essay grader with bulk upload and AI tools for teachers.

Price: Free

3. Canva

While not specifically designed for lesson planning, Canva is a versatile design tool that enhances teaching materials with its user-friendly interface and extensive template library. Educators can easily create visually appealing presentations, worksheets, and other resources to complement their lesson plans. With its intuitive features and wide range of customization options, Canva offers educators a convenient way to elevate the visual appeal of their teaching materials and engage students more effectively.

Pros: User-friendly interface, extensive template library.
Cons: Not specifically tailored for lesson planning tasks.
Price: Free version available; premium plans start at $9.95/month.

4. AI Lesson Plan

AI Lesson Plan simplifies and optimizes lesson planning by generating personalized lesson plans based on curriculum requirements and student needs. Educators can easily customize and fine-tune these plans to suit their teaching preferences and classroom dynamics. With its AI-driven approach, AI Lesson Plan offers educators a streamlined solution to create effective and tailored lesson plans, ultimately enhancing the teaching and learning experience.

Pros: Personalized recommendations, streamlined planning process.

Cons: Limited customization options.

Price: Subscription-based, starting at $20/month.

## 5. Education Copilot

Education Copilot, an AI-powered tool, streamlines lesson planning for educators. With its intuitive interface, it aligns lesson plans with curriculum standards, offers personalized recommendations, and optimizes scheduling. Educators can track student progress, collaborate with colleagues, and ensure inclusivity with built-in accessibility features. Seamless integrations and ongoing support enhance the user experience, empowering educators to deliver impactful lessons efficiently.

Pros: Education Copilot streamlines lesson planning with personalized recommendations, catering to individual teaching styles and student needs, while optimizing scheduling for maximum engagement.

Cons: Educators may face a learning curve and potential budgetary constraints or privacy concerns, especially in resource-limited environments.

Price: Free trial available; subscription starts at $15/month.

## 6. Curibot

Curibot makes lesson planning easier with its AI-driven platform. Educators can generate dynamic lesson plans tailored to student needs, fostering engagement and maximizing learning outcomes. With its user friendly interface and adaptable features, Curibot empowers educators to deliver impactful lessons efficiently and effectively, enhancing the educational experience for both teachers and students.

Pros: Curibot streamlines lesson planning, offering personalized lesson plans tailored to individual student needs and curriculum requirements, enhancing efficiency and engagement in the classroom.

Cons: Educators may face initial challenges in adjusting to Curibot's features and potential budgetary constraints, as its effectiveness relies on the availability of digital resources and technical support.

Price: Custom pricing based on school size; contact for details.

7. School AI

School AI offers educators a user-friendly platform with actionable insights and personalized recommendations to enhance teaching methods and boost student learning. Using advanced machine learning, it continually adapts to provide up-to-date guidance aligned with the latest educational standards.-

Pros: Actionable insights, comprehensive platform.

Cons: Higher cost may be a problem for some schools.

Price: Custom pricing based on features required; contact for details.

8. Teacher Bot

Teacher Bot, an AI-powered virtual assistant, revolutionizes classroom management by seamlessly integrating into educators' workflows. From crafting engaging lesson plans to providing instant feedback on student assignments, Teacher Bot's multifunctional capabilities enhance teaching efficiency and effectiveness. Its intuitive interface empowers educators to focus more on personalized instruction and student support, fostering a dynamic and interactive learning environment.

Pros: Virtual assistant for various teaching tasks, adaptive features.

Cons: Some users may prefer more customization options.

Price: Free trial available; subscription starts at $14.99/month.

9. Magic School

Magic School harnesses AI technology to enhance lesson planning with innovative features tailored to educators' needs. While relatively new, it's gaining popularity for its intuitive interface and customizable options.

Pros: Intuitive interface, customizable options.

Cons: Limited user base compared to more established tools.

Price: Free version available; premium plans start at $12.99/month.

With these top AI lesson planning tools at your fingertips, you can transform your classroom into a dynamic and engaging learning environment.

**How Teachers Can Use DeepSeek: Step-by-Step Guide**

DeepSeek AI is transforming the way teachers deliver lessons, grade papers, create rubrics, and teach students. This advanced artificial intelligence tool harnesses natural language processing (NLP) to generate high-quality educational content, analyse data, and personalize learning experiences for students.

*What is DeepSeek AI?*

DeepSeek AI is an intelligent AI-powered platform designed to assist teachers, students, and business professionals in various aspects of education. It uses cutting-edge natural language processing (NLP) and machine learning to generate educational content, analyze student data, and automate repetitive tasks.

*Why Should Teachers Use DeepSeek AI?*

Integrating AI in education can revolutionize teaching and learning, making it more efficient, personalized, and engaging. Here is why educators should embrace DeepSeek AI:

- Saves Time: Automates lesson planning, grading, and content creation.

- Enhances Student Engagement: Generates interactive activities, quizzes, and games.

- Personalizes Learning: Adapts study materials to each student's needs.

- Improves Assessment Accuracy: AI-powered grading ensures consistent and quick feedback.

- Supports Special Education: Provides tailored resources for diverse learning needs.

- Reduces Administrative Burden: Helps with emails, reports, attendance tracking, and more.

By leveraging DeepSeek AI, teachers can streamline their workload while ensuring students receive high-quality, engaging, and customized education.

*Practical Ways Teachers Can Use DeepSeek AI*

1. Lesson Planning

- Lesson planning can be overwhelming, but DeepSeek AI simplifies the process by:

- Generating detailed lesson outlines aligned with curriculum standards.

- Suggesting interactive activities and discussion prompts.

- Creating differentiated instruction materials for diverse learners.

- Providing instant access to relevant educational resources.

For example, if you need a history lesson on the American Revolution, DeepSeek AI can generate:

- A structured lesson plan with objectives, activities, and assessments.

- An engaging introduction to spark student interest.

- A list of key events and figures, along with explanations.

- Critical thinking exercises and discussion topics.

2. Creating Assessments & Rubrics

- Assessments are essential for tracking student progress. DeepSeek AI can help by:

- Generating quizzes, multiple-choice questions, and essay prompts.

- Designing custom rubrics for grading assignments and projects.

- Providing instant feedback on student responses.

- Adapting questions based on student performance levels.

For example, if you are teaching Shakespeare's Macbeth, DeepSeek AI can generate:

- A comprehensive quiz covering key themes and characters.
- Essay prompts focusing on literary analysis.
- A grading rubric for evaluating student essays efficiently.

3. Providing Personalized Learning

Each student has a unique learning style, and DeepSeek AI can tailor lessons by:

- Suggesting customized study plans based on performance.
- Recommending additional practice problems for struggling students.
- Offering advanced topics for high-achieving learners.
- Adjusting content difficulty based on student responses.

For example, if a student struggles with fractions, DeepSeek AI can provide:

- Step-by-step explanations with interactive practice problems.
- Real-world applications to make the concept relatable.
- Progressive difficulty levels to reinforce learning.

4. Enhancing Student Engagement

- Engaging students can be challenging, but DeepSeek AI helps by:
- Creating interactive storytelling for younger learners.
- Generating debate topics and discussion prompts.
- Suggesting gamified learning experiences like trivia and flashcards.
- Crafting virtual simulations for science and history lessons.

For example, DeepSeek AI can help turn a biology lesson on ecosystems into:
- A story-driven narrative where students explore a virtual rainforest.
- A role-playing debate where students take on different environmental roles.
- A custom quiz with real-world ecological scenarios.

5. Automating Grading & Feedback

Grading is time-consuming, but AI can streamline the process by:
- Instantly grading quizzes and multiple-choice tests.
- Providing AI-generated feedback for essays and short answers from prompts.
- Highlighting areas where students need improvement.
- Tracking student progress over time and generating reports.
- Grade images (.jpeg, .png, .jpg) effectively.

For example, if students submit a persuasive essay, DeepSeek AI can:

- Analyze their arguments and suggest areas for improvement.
- Provide grammar and style suggestions.
- Generate a personalized feedback report for each student.

6. Generating Study Materials

DeepSeek AI helps create custom learning materials, including:

- Study guides and summaries for key topics.
- Flashcards and memory aids for revision.
- Infographics and visual resources to simplify complex concepts.
- Practice worksheets tailored to student needs.

For example, if you are teaching Algebra, DeepSeek AI can generate:

- A step-by-step study guide on solving equations.
- Interactive flashcards for key math formulas.
- Practice problems with instant feedback.

7. Supporting Special Education

AI can provide vital support for students with special needs by:

- Generating differentiated learning materials for various abilities.

- Providing speech-to-text and text-to-speech support.

- Simplifying complex topics with visual aids and interactive content.

- Offering real-time feedback and progress tracking.

For example, DeepSeek AI can adapt reading materials for students with dyslexia by:

- Adjusting font styles and spacing for better readability.

- Providing audio versions of texts.

- Breaking down complex sentences into easier-to-understand segments.

*Best Practices for Using DeepSeek AI in Education*

To maximize the benefits of DeepSeek AI, teachers should follow these best practices:

1. Verify AI-Generated Content: Always review AI-generated materials for accuracy and appropriateness.

2. Use AI as a Teaching Aid, Not a Replacement: AI enhances, but doesn't replace, human instruction.

3. Encourage Critical Thinking: Teach students to evaluate AI-generated information critically.

4. Ensure Data Privacy & Security: Use AI tools that comply with student data protection regulations.

5. Integrate AI Gradually: Start small—use AI for lesson planning or grading before expanding its role.

DeepSeek AI is revolutionizing education, making teaching more efficient, engaging, and personalized. Whether it's creating lesson plans, automating grading, generating quizzes, or supporting diverse learners, DeepSeek AI empowers teachers to focus on what truly matters — helping students succeed.

**Why AI Is a Good Thing for Language Teachers and Learners**

Artificial intelligence has revolutionized numerous industries, and language learning is no exception. From personalized learning platforms to real-time translation tools, AI has transformed how individuals acquire and interact with languages.

Language teaching in particular presents multiple opportunities for the integration of AI-powered technologies. Even prior to the development of generative AI tools like ChatGPT, we have seen many successful applications developed using AI to create adaptive learning pathways for language learners. Generative AI tools now provide incredible potential for language practice. However, realising that potential requires motivation and skills from learners, teachers and many other stakeholders. It is clear that there are both

barriers and risks that need to be explored, and the voices of those whom these technologies are aimed at must be listened to and carefully considered. Implications for practice:

• As English language learning is likely to be the most common discipline for AI use in education, English language teacher education and training must include a focus on *AI literacy*.

• Teachers also need to develop their *learners' AI literacy* so that they can understand the limitations and risks of AI and discuss the ethical issues around its use.

• Practitioners should carefully consider how models are chosen, as AI may carry messages about language use and exclude certain groups/varieties of English.

• AI can provide a conversational partner, provide language practice outside class and alleviate learner anxiety about speaking. However, more evidence is needed on whether the gains persist independent of such AI tools.

• Accessible and unambiguous *ethics statements* for AI in ELT should be developed and committed to, along with clear systems to ensure *data privacy*.

• Practitioners should be realistic about the current *limited capabilities of AI* and cautious about the hype.


**Overview of AI technologies relevant to language acquisition**

*Natural Language Processing (NLP)*

Natural Language Processing, or NLP, is a field of artificial intelligence that focuses on enabling computers to understand, interpret, and generate human language. It involves the development of algorithms and models that allow machines to process and comprehend natural language data, such as text and speech. NLP techniques enable computers to extract meaning, sentiment, context, and relationships from textual data, facilitating tasks like language translation, sentiment analysis, text summarization, chatbots, and language generation. NLP plays a key role in various applications, powering advancements in language-related technologies and enabling more effective communication between humans and machines. However, it is important to underline the current limits of NLP: it is still a machine, not a human.

*Machine learning algorithms*

Machine learning algorithms are computational methods that enable computers to learn patterns, rules, and relationships within data without being explicitly programmed. These algorithms utilize statistical techniques to identify patterns and make predictions or decisions based on input data. They learn from experience, continuously improving their performance as they are exposed to more data. The various types of machine learning algorithms include:

- Supervised learning: Algorithms learn from labeled data, making predictions or classifications based on input-output pairs.

- Unsupervised learning: Algorithms identify patterns or structures within unlabeled data.

- Reinforcement learning: Algorithms learn by interacting with an environment, receiving feedback in the form of rewards or penalties based on their actions.

Machine learning algorithms are used in various applications such as image and speech recognition, recommendation systems, fraud detection, autonomous vehicles, and, in our context, natural language processing, among many others.

*Chatbots and virtual language tutors*

Chatbots are computer programs that simulate human conversation using Natural Language Processing (NLP). In language learning, chatbots engage learners in conversational practice, allowing them to interact in the target language. These bots can hold dialogues, provide immediate feedback, answer questions, and offer language exercises in a conversational format. They enable learners to practice speaking, listening, and comprehension skills in a natural and interactive manner.

Virtual language tutors are advanced AI systems that act as personalized language instructors. They leverage AI and machine learning to assess learners' proficiency levels, identify strengths and weaknesses, and create customized learning paths. These tutors deliver adaptive lessons, adjusting content difficulty based on individual progress. They often incorporate various learning modalities, including interactive exercises, multimedia content, and simulated real-life scenarios, to provide a comprehensive learning experience and a personalized guidance.

## Powerful AI Tools for Language Teachers

Imagine a world where language teachers have access to cutting-edge tools powered by AI that can transform their classrooms into dynamic, interactive language learning environments. These tools not only facilitate the creation of original audio and video content, but also provide personalized feedback, enhance accessibility, and create immersive language learning experiences. As technology continues to advance, AI is revolutionizing language education in ways that were once unimaginable. These innovative tools are empowering educators and can help you take your teaching to new heights.

## 1. Text-to-Speech (TTS) Tools

One of the most powerful applications of AI in language teaching is Text-to-Speech (TTS). TTS technology converts written text into

natural-sounding audio, which can be used to create original audio content for language learners of all levels.

There are several TTS synthesis tools available, such as Google Text-to-Speech, Resemble AI, Murf AI and Synthesys, which offer a wide range of voices and languages to choose from.

Language teachers can use these tools to create engaging listening materials, including dialogues, stories, and news articles, which can help students improve their listening skills and pronunciation.

## 2. Chatbots for Language Practice

AI-powered chatbots can offer interactive language practice opportunities for language learners. These chatbots use NLP technologies to engage in conversations with users, providing responses and feedback based on their input. AI chatbots significantly advance language learning by simulating real-life conversations. These chatbots are designed to interact with its user in the target language, offering a conversational experience that mirrors speaking with a native speaker. They respond to language nuances and slang, providing learners with a rich, contextual understanding beyond textbook examples. This interaction helps learners build confidence and fluency by practicing in a safe, responsive environment.

Chatbots like Mondly and Language Drops offer interactive dialogues where learners can practice everyday conversations. Users can ask questions or express thoughts, and the chatbot responds appropriately, correcting errors or suggesting better word choices. This improves linguistic skills and familiarizes learners with cultural idioms and expressions commonly used by native speakers. ChatGPT, Duolingo, and Replika are examples of popular language practice chatbots that utilize AI.

Language teachers can use these chatbots as supplementary tools for speaking and writing practice, allowing students to practice their language skills in a controlled and supportive environment. Chatbots can also provide immediate feedback and corrections, which can be valuable for learners' language development.

### 3. Video Captioning and Subtitling Tools

AI-powered video captioning and subtitling tools can greatly enhance the accessibility of video content for language learners. These tools use speech recognition and natural language processing (NLP) technologies to automatically generate captions or subtitles for videos, making them suitable for learners with hearing impairments or those who prefer visual support. YouTube's automatic captioning feature and Amara are examples of popular video captioning and subtitling tools that utilize AI.

Platforms like FluentU and Yabla utilize AI to offer language learning through real-world videos—like music videos, movie trailers, news, and inspiring talks. These platforms provide interactive subtitles, vocabulary lists, and quizzes tailored to the video content, enhancing language learning with contextual, engaging multimedia experiences. This method helps understand the practical usage of language and keeps learners motivated by using interesting and relevant content to their tastes and learning needs.

Language teachers can leverage these tools to create captioned or subtitled videos, which can provide additional support for language learners in understanding spoken language, and also serve as a valuable resource for vocabulary and listening practice.

## 4. Speech Evaluation and Feedback Tools

AI-powered speech evaluation and feedback tools can provide language teachers with valuable insights into their students' pronunciation and speaking skills.

These tools use speech recognition and NLP technologies to analyse students' spoken language and provide feedback on various aspects, such as accuracy, fluency, and intonation. Tools like ELSA Speak, Pronunciation Power, and SpeechAce are examples of popular speech evaluation and feedback tools that utilize AI.

Language learning platforms like Pearson's Versant and Cambridge English's Linguaskill use AI to evaluate a user's language proficiency through structured tests. These platforms simulate real-life communication scenarios and use AI to grade responses, providing users with a detailed score report that highlights their language abilities and suggests areas for improvement. This targeted feedback is crucial for learners who need to meet specific language benchmarks for academic or professional reasons.

Language teachers can use these tools to assess their students' speaking skills, provide individualized feedback, and offer targeted pronunciation practice, thus helping students improve their spoken language skills more effectively.

## 5. Grammar and Vocabulary Checkers

They can be powerful tools for language teachers to support students' writing skills. These tools use NLP technologies to analyse written text and provide feedback on grammar errors, vocabulary usage, and writing style. By using these tools, language learners can improve their writing skills and produce more accurate and fluent written texts.

Grammarly, ProWritingAid, and Ginger are examples of popular grammar and vocabulary checker tools that utilize AI. Language teachers can recommend these tools to their students for self-editing

and proofreading purposes, or use them for grading and feedback on written assignments.

## 6. Language Translation Tools

These tools use machine learning algorithms to automatically translate text from one language to another, making them useful for students who are learning a second language or for teachers who need to communicate with students who speak different languages. they offer instant translation of both spoken and written text, which is crucial for learners aiming to apply their language skills in real-world scenarios. This immediate feedback and translation capability allows learners to practice and improve continuously, ensuring they can confidently navigate daily interactions and effectively bridge communication gaps in the target language.

Popular language translation tools include Google Translate, DeepL, and Microsoft Translator, which support multiple languages and provide quick and relatively accurate translations. Language teachers can use these tools to facilitate communication in multilingual classrooms, create bilingual materials, or provide translations for difficult vocabulary or sentences, thus supporting students' language learning journey.

## 7. Speech-to-Text (STT) Tools

Transcription tools use AI to convert spoken language into written text. These tools can be particularly useful for language teachers in transcribing audio or video content, such as authentic recordings or student speeches, to create written transcripts for language learners.

Popular STT transcription tools include Google Cloud Speech-to-Text, Microsoft Azure Speech to Text, and IBM Watson Speech to Text, which offer high accuracy and support multiple languages. Transcripts can be used for various instructional purposes, such as vocabulary and grammar exercises, listening comprehension tasks, and speaking practice.

## 8. Adaptive Learning Platforms

AI-powered platforms revolutionize language learning by creating fully personalized educational journeys that adapt to each learner's progress and challenges in real-time. By meticulously collecting and analysing data on performance across different learning modules, AI discerns patterns and identifies areas where learners need more intensive practice. This adaptive approach ensures that learners receive the right level of challenge—sufficient to keep them engaged but not so much that they feel overwhelmed. Adaptive learning platforms powered by AI can personalize language learning experiences for individual students. For instance, if a learner shows proficiency in vocabulary but faces

challenges with grammar, the AI system intensifies the focus on grammar exercises while still reinforcing vocabulary skills.

These platforms use data-driven algorithms to analyse learners' performance and provide tailored recommendations for their specific needs. Babbel, Rosetta Stone, FluentU and Duolingo are examples of popular adaptive learning platforms that utilize AI.

Language teachers can incorporate these platforms into their instruction to provide individualized learning paths for students, addressing their strengths and weaknesses, and helping them progress at their own pace. Adaptive learning platforms can also provide performance analytics and progress tracking, allowing teachers to monitor students' progress and adjust their instruction accordingly.

## 9. Virtual Reality (VR) for Immersive Language Learning

Virtual Reality (VR) is a cutting-edge technology that can provide immersive language learning experiences. VR language learning platforms, such as MondlyVR, VRChat, VirtualSpeech and ImmerseMe, use AI-powered simulations to create virtual environments where learners can practice their language skills in realistic contexts.

Language teachers can use VR to provide authentic language practice opportunities, such as virtual travel scenarios, simulated conversations, and cultural experiences.

VR can enhance students' language skills, such as listening, speaking, and cultural awareness, by immersing them in a virtual environment where they can actively engage with the language. Learners can experience walking through a virtual city abroad, engaging with digital natives, and using their language skills in real-time, significantly boosting their learning curve and confidence. These platforms use speech recognition to evaluate and give feedback on the learner's spoken language, enhancing accuracy and fluency.

## 10. Content Creation Tools for Audio and Video

AI-powered content creation tools for audio and video can be valuable resources for language teachers to create original materials. For example, tools like Synthesia, Lumen5, and Content Samurai use AI technologies to generate original videos by automatically converting text into video content, complete with visuals, animations, and voice-over. Similarly, tools like Podcastle, Descript, and Audioburst use AI to generate original audio content by converting text into natural-sounding voice recordings.

Language teachers can use these content creation tools to create customized instructional materials, such as video lessons, podcasts,

and listening activities, tailored to their students' needs and interests.

## 11. AI-Enhanced Content Personalization for Vocabulary Expansion

Leveraging AI to personalize language learning content, especially for vocabulary acquisition, allows learners to engage with words and phrases most relevant to their interests or professional needs. AI systems analyze a learner's background, preferences, and prior knowledge to curate vocabulary lists and learning activities that resonate with their context. This targeted approach enhances retention and ensures that learning is directly applicable to real-life situations or career-specific communications.

Apps like Memrise and Quizlet utilize AI to tailor vocabulary lessons based on user input and learning history. For example, a learner interested in culinary arts would receive vocabulary related to cooking techniques and ingredients, while someone planning to travel might focus on phrases useful for navigation and polite conversation in the destination's language. This customization makes the learning process more intuitive and relevant, greatly improving the engagement and effectiveness of language acquisition.

## 12. AI-Driven Feedback Systems for Pronunciation Correction

AI-driven feedback systems use advanced speech recognition technologies to enhance pronunciation. These systems meticulously analyze a learner's speech patterns, pinpointing whole-word errors and subtleties such as accent, intonation, and rhythm. This capability allows for immediate and precise feedback, which is essential for mastering a new language's phonetics. These systems enable rapid adjustments and progress by providing learners with specific insights into their pronunciation mistakes and areas for improvement. This level of detailed feedback accelerates the learning process, helping learners to effectively refine their spoken language skills and achieve clearer, more accurate pronunciation.

Platforms like ELSA Speak and Pronunciator have sophisticated AI that listens to users' spoken language inputs, compares them against native pronunciation models, and provides detailed stress, pitch, and phoneme articulation feedback. This kind of feedback is invaluable for learners who do not have regular access to native speakers, as it allows them to practice and perfect their pronunciation in a controlled, supportive environment.

## 13. AI-Supported Grammar Coaching

Grammar is foundational to language learning, and AI-supported tools offer detailed, context-aware grammar coaching. By analysing the sentences learners construct, AI can identify grammatical errors

and offer corrections along with explanations that help understand the rules better. This continuous feedback loop allows learners to refine their grammar through practice, reducing dependency on rote learning and enhancing their ability to use the language more naturally and accurately.

Tools like Grammarly and Ginger are integrated with AI that detects basic spelling and complex grammatical mistakes in real time. These tools provide suggestions for corrections and explain the grammar rules involved, making them ideal for learners who want to proficiently write in a new language. Such platforms are particularly beneficial for advanced learners aiming to polish their writing skills for professional or academic purposes, providing them with a deeper understanding of the language structure.

## 14. AI-Curated Language Learning Communities

AI significantly boosts the social dynamics of language learning by creating and managing online communities where learners can interact, exchange experiences, and practice languages with peers. These virtual spaces are organized based on language proficiency and interests, with AI strategically pairing learners with similar skills or educational objectives. This setup fosters active engagement, encouraging collaborative learning and cultural exchanges—essential components for applying language skills practically and enhancing retention. Such AI-driven platforms not

only connect learners globally but also make the journey of learning a new language more interactive and socially enriching.

Platforms like Tandem and HelloTalk use AI to connect users with worldwide language partners based on their learning objectives, interests, and language proficiency. These interactions are supplemented with tools for text correction, voice notes, and even real-time translation, allowing learners to practice and improve in a supportive, interactive environment. Such communities make learning more enjoyable and expose learners to diverse dialects and cultural nuances of the language.

*Make your lessons stand out*

As language teachers, it is time to join the revolution and take advantage of these AI tools to make our classrooms more engaging, effective, and accessible. These innovative technologies have the potential to transform language education, making it more interactive, personalized, and dynamic than ever before.

As with any technological advancement, there may be concerns and challenges associated with the use of AI in language education. Issues such as data privacy, ethical considerations, and the potential for bias in language generation are important to be mindful of. However, with responsible and thoughtful use, AI can significantly

enhance language teaching and learning, providing opportunities for more engaging, personalized, and effective instruction.

**AI Tools for Language Teachers and Language Learners**

1. ChatGPT for Teachers

Overview: ChatGPT, developed by OpenAI, is a versatile AI large language model that can assist language teachers in a multitude of ways. It is capable of generating lesson plans, creating engaging learning materials, creating rubrics, generating feedback and simulating conversation partners for language practice.

How to Use It:

- Lesson Planning: Input topics or learning objectives, and ChatGPT can generate detailed lesson plans, complete with activities and discussion questions.

- Material Creation: Generate reading passages with accompanying comprehension and vocabulary activities, writing prompts, conversation starters, questionnaires, information gaps – anything you can think of – tailored to your students' proficiency levels.

- Q&A: Use ChatGPT to answer students' questions about grammar, vocabulary, and language usage, providing instant, detailed explanations.

When using ChatGPT, providing detailed prompts and customised instructions is crucial for getting the most effective and relevant responses. Detailed prompts help the AI understand the context and specific requirements of your request, leading to more accurate and useful outputs. For example, instead of simply asking ChatGPT to "create a lesson plan," you might specify: "Create a lesson plan for an intermediate ESL class focused on the past perfect tense, including objectives, activities, and assessment methods." This level of detail helps ensure that the AI generates content that meets your exact needs. Similarly, when seeking explanations or examples, providing context or specifying the complexity level can result in more tailored and relevant responses. Clear instructions and context make ChatGPT a powerful tool in your teaching arsenal.

*Example prompts*

Prompt: "Create a 45-minute lesson plan for an intermediate ESL class focused on the past perfect tense. The lesson should include a warm-up activity, a detailed explanation of the tense, interactive practice activities, and a short assessment at the end. Also suggest homework."

Prompt: "Write a 300-word reading passage suitable for advanced ESL learners about the impacts of climate change on coastal cities.

Include at least five new vocabulary words for the students to learn, and provide a brief glossary for these words."

Prompt: "Explain the difference between 'few' and 'a few' with at least three example sentences for each term. The explanation should be suitable for intermediate ESL students."

Prompt: "Develop a dialogue between two people meeting for the first time at a conference. One person should be a native English speaker, and the other a non-native speaker. The dialogue should help practise introductions."

Prompt: "Design a speaking activity for beginner ESL students to practise describing their daily routines. The activity should include a list of common daily activities, a template for how to structure their descriptions, and tips on using the present simple tense."

Bonus Tip: You can also ask ChatGPT for advice on how to improve your prompts.

Prompt: "How can I improve the prompt 'Create a lesson plan for an intermediate ESL class' to get more detailed and useful responses?"

Expected Output: Suggestions on adding specifics such as lesson duration, focus areas, types of activities, and assessment methods to make your prompt more precise and effective.

## 2. Twee for Teachers

Overview: Twee is an AI tool designed specifically for English language teachers. It allows educators to create a wide variety of tailor made tasks and activities instantly. It works especially well with authentic materials e.g. videos from YouTube or Ted Talks.

How to Use It:

- Create comprehension questions, transcripts and gap fills for any YouTube video in just a few seconds. Simply copy the URL from the video you want to use and instantly create activities you can use in class alongside the video. Generate dialogues, stories, letters or articles on any topic and for any level.
- Quickly create multiple choice questions, open questions, and True/False statements
- Brainstorm vocabulary related to the topic and create fill-in-the-gap and open-the-brackets vocabulary exercises.
- Simplify or upgrade the language in a text instantly.

## 3. Diffit for Teachers

Overview: Diffit is an AI tool that helps teachers create differentiated learning materials tailored to various proficiency levels. Alongside Twee, this tool is really a game changer for creating bespoke material specifically tailored for your exact needs, and works wonderfully with authentic materials.

How to Use It:

- Topic: You can simply enter a topic and select the level or grade that you want, and Diffit will instantly generate a reading passage with key vocabulary words and comprehension questions. You can then transform these into a wide variety of student centred vocabulary, reading, writing and collaborative tasks which you can download to print or export to different platforms such as Google Classroom.
- Link: You can also paste a link to a Youtube video, or a website URL and it will instantly generate the accompanying reading passage, key vocabulary and comprehension questions.

4. Wordwall for Teachers

Overview: Wordwall is a versatile tool that allows teachers to create interactive and engaging activities for language learners. Whether you want to create a quick quiz, a matching game, or a word search, Wordwall has you covered with a wide array of

templates that can be easily customised to suit your lesson objectives.

How to Use It:

- Interactive Games: Transform your vocabulary lists into fun and interactive games like "Match Up" or "Whack-a-Mole," which can be used in class or assigned as homework.

- Quizzes: Create quick quizzes to check comprehension and reinforce learning. These can be multiple choice, true/false, or short answer formats.

- Printable Activities: Generate printable worksheets and activities that can be used for in-class exercises or take-home assignments.

- Bonus Tip: Combine Wordwall with ChatGPT for even greater efficiency and creativity. Use ChatGPT to generate lists of definitions and vocabulary, or a series of questions and answers, then copy and paste them into a Wordwall activity template. This integration can save you time and help you create more detailed and comprehensive learning materials tailored to your students' needs.

5. ChatGPT with Voice for Students

Overview: ChatGPT with voice integration is a game-changer for language learners, offering an interactive way to practise speaking

and listening skills. This tool allows students to engage in spoken conversations with an AI, simulating real-life dialogue situations.

How to Use It:

- Speaking Practice: Students can practise their speaking skills by having conversations with ChatGPT, receiving immediate feedback on pronunciation and grammar.
- Listening Comprehension: Engage with spoken responses to improve listening skills and understand natural language use.
- Role-playing: Simulate various scenarios, such as ordering food in a restaurant or asking for directions, to build confidence in using English in everyday situations.

6. Mizou for Students

Overview: Mizou is a wonderful tool where you can create your own chatbot with specific learning objectives and criteria, so that your students can engage with it to practise speaking skills. It also protects student data – it does not use student data to train its AI models nor do students need to login to use it.

How to Use It:

Simply create an account and get started creating your own chatbot using AI. Enter your learning objectives and grade or level and watch the magic happen! You can choose various roles for the

chatbot too – conversation practice, role plays, interactive quizzes and many more.

7. GetPronounce for Students

Overview: GetPronounce is an AI tool designed to help learners perfect their pronunciation. It offers instant feedback on spoken English, making it a valuable resource for improving accuracy, accent and clarity.

How to Use It:

- Pronunciation Practice: Record and compare your pronunciation with native speakers.
- Feedback and Correction: Receive detailed feedback on areas of improvement and practise specific sounds or words that are challenging.
- Interactive Exercises: Engage in exercises that focus on intonation, stress, and rhythm of English.

8. Quizlet for Students

Overview: Quizlet is a widely-used AI enhanced tool for studying and memorising vocabulary through flashcards and various study modes. Its interactive features make it a favourite among language learners.

How to Use It:

- Flashcards: Create or use existing sets of flashcards to study vocabulary and concepts. Spaced retrieval practice is one of the most effective ways to learn and retain new vocabulary – digital flashcards are ideal for this.

- Learn Mode: Use Quizlet's adaptive learning feature that tracks your progress and focuses on areas where you need improvement.

- Games: Engage with fun games like "Match" and "Gravity" to make learning more enjoyable.

- Testing: Take practice tests to assess your knowledge and readiness.

## AI in Teacher Training

The field of education is transforming with the integration of artificial intelligence (AI) into teaching and learning processes. AI is no longer confined to science fiction or highly specialized industries; it is now a practical tool that is reshaping how educators develop their skills and improve classroom instruction. In English as a Foreign Language (EFL) and English as a Second Language (ESL) education, AI has emerged as a powerful asset, offering new ways for teachers to enhance their professional competencies through personalized learning, automated feedback, and advanced data analysis.

Language learning is dynamic, with methodologies, curricula, and student needs constantly evolving. To maintain effective teaching strategies, educators must stay informed about new pedagogical approaches, technological advancements, and assessment techniques. However, traditional teacher training programs often have limitations, such as infrequent workshops, high costs, and a lack of personalized feedback. AI has the potential to address these challenges by offering continuous, adaptable, and cost-effective professional learning opportunities.

AI-driven technologies can support EFL/ESL teacher training in multiple ways. Intelligent tutoring systems, AI-generated feedback, and adaptive learning platforms can help educators refine their teaching skills and stay updated with best practices. Automated grading and assessment tools can reduce workload, allowing teachers to focus on instruction and student engagement. Additionally, AI-powered professional learning communities can foster collaboration among educators worldwide, creating a more interconnected and informed teaching community.

Artificial intelligence in education refers to the use of machine learning, natural language processing, and other computational techniques to enhance teaching and learning experiences. In the context of English as a Foreign Language (EFL) and English as a

Second Language (ESL) education, AI applications range from intelligent tutoring systems to automated grading tools that assist educators in managing their workload and improving instructional effectiveness. AI-driven systems can analyze large amounts of data to identify learning patterns, provide real-time feedback, and personalize educational content based on the needs of individual educators and students.

## Transforming Teacher Education Through AI

AI is reshaping teacher training by automating routine tasks, personalizing learning experiences, and providing data-driven insights. These advancements contribute to more effective and efficient professional development for EFL/ESL educators.

### *Automation in Teacher Training*

One of the most significant contributions of AI to teacher training is the automation of repetitive tasks such as grading, assessment generation, and administrative work. Automated grading systems, for example, can evaluate student assignments and provide feedback on grammar, vocabulary, and writing style, reducing the burden on teachers while maintaining consistency. AI can also streamline lesson planning by suggesting relevant teaching materials based on curriculum requirements and student proficiency levels.

*Using AI-Driven Analytics to Evaluate Lesson Effectiveness*

AI's ability to process and analyse large volumes of classroom data allows educators to evaluate the effectiveness of their lesson plans and teaching strategies. AI-powered analytics track student performance, engagement levels, and learning outcomes, offering insights that help refine lesson delivery.

Some applications of AI-driven analytics in EFL/ESL education include:

- Student progress tracking: AI monitors student responses and engagement, identifying which teaching methods yield the best results.
- Classroom interaction analysis: AI tools like TeachFX analyze teacher-student interactions, helping educators assess classroom participation and communication dynamics.
- Curriculum optimization: AI suggests modifications to lesson plans based on student performance data, ensuring that instructional materials align with learning objectives. By integrating AI-assisted instructional strategies, educators can enhance student motivation, improve classroom interaction, and adapt their teaching to meet individual learning needs.

*The Role of AI in Supporting, Not Replacing, Educators*

AI should be viewed as a tool that supplements traditional teacher training rather than a substitute. Educators must remain actively involved in shaping their professional development experiences, using AI-driven insights to inform their teaching strategies without relying solely on automation. Key considerations include:

- Ensuring AI-generated feedback is reviewed by human mentors for accuracy and relevance.
- Using AI to complement in-person training programs rather than replace them.
- Encouraging teachers to engage in reflective practice, using AI-driven data as a guide rather than a prescriptive model.

*Preserving the Human Aspects of Teaching*

Certain aspects of teacher training require human interaction, including:

- Emotional intelligence and relationship-building skills.
- Adaptability to student needs and classroom dynamics.
- The ability to interpret and apply cultural and contextual nuances in language education.

A well-balanced approach to AI in teacher training will ensure that technology enhances rather than diminishes the human elements of education.

**AI-based Language Learning Activities**

1. AI Language Tutor Roleplay

- Task: Use ChatGPT or similar AI to simulate a conversation with a native speaker.
- Instructions:
  - Choose a topic (e.g., travel, hobbies, studies).
  - Write 5–7 questions to ask the AI.
  - Conduct a 5-minute conversation.
  - Record and analyze your mistakes.
- Objective: Improve speaking fluency and confidence.

2. Grammar Correction Challenge

- Task: Write a short essay and use AI to identify and correct grammatical errors.
- Instructions:
  - Write a 200-word essay on a given topic.
  - Use AI tools like Grammarly to analyze it.
  - Compare AI corrections with your own knowledge.
  - Explain why each correction was made.
- Objective: Enhance grammar understanding and self-correction skills.

3. Creative Storytelling with AI

- Task: Collaborate with AI to create a short story.
- Instructions:
  - Choose a starting sentence.
  - Alternate turns with AI to build the story.
  - Ensure each sentence adds to the plot.
  - Present the final story to the class.

- Objective: Develop narrative skills and creativity.

4. Translation Analysis

- Task: Compare human and AI translations.
- Instructions:
    - Select a complex text in your native language.
    - Translate it using Google Translate.
    - Translate it manually.
    - Compare both versions.
    - Discuss cultural and linguistic nuances.
- Objective: Understand translation limitations and improve linguistic accuracy.

5. Vocabulary Expansion Game

- Task: Use AI to learn new words and phrases.
- Instructions:
    - Choose a theme (e.g., technology, environment).
    - Ask AI for 10 related words.
    - Create sentences using these words.
    - Share them with classmates.
- Objective: Broaden vocabulary and contextual understanding.

6. Debate Preparation with AI

- Task: Prepare arguments for a debate using AI assistance.
- Instructions:
    - Select a debatable topic.
    - Ask AI for pros and cons.
    - Develop your own arguments.

- Practice the debate in class.
- Objective: Strengthen critical thinking and argumentation skills.

7. Cultural Insights Exploration

- Task: Use AI to explore cultural differences.
- Instructions:
    - Choose a cultural aspect (e.g., traditions, customs).
    - Ask AI about its perception.
    - Compare with real-life experiences.
    - Discuss findings in class.
- Objective: Enhance cultural awareness and intercultural communication.

8. Error Analysis Project

- Task: Analyze common mistakes using AI feedback.
- Instructions:
    - Collect typical errors from class assignments.
    - Use AI to explain why they are incorrect.
    - Create a guide to avoid these mistakes.
    - Present the guide to classmates.
- Objective: Develop error recognition and prevention strategies.

Each activity can be adapted based on students' proficiency levels and class duration. Encourage students to reflect on their learning process and share insights with peers.

# Assignments on AI Application in Foreign Language Teaching Methods

Assignment 1: AI-Powered Lesson Planning

Task: Create a lesson plan for an English class using AI tools.

- Objective: Develop a 60-minute lesson plan for intermediate students.
- Requirements:
    - Use AI to generate vocabulary lists and exercises.
    - Incorporate AI-generated speaking prompts.
    - Include AI-based assessment tools.
- Deliverables:
    - Detailed lesson plan document.
    - Reflection on AI usage effectiveness.

Assignment 2: Personalized Learning Paths

Task: Design a personalized learning path using AI.

- Objective: Create an adaptive learning plan for 3 students with different proficiency levels.
- Requirements:
    - Analyze student data using AI tools.
    - Develop customized learning objectives.
    - Suggest AI resources for each student.
- Deliverables:
    - Individual learning plans.

○ Justification of AI tool selection.

Assignment 3: AI in Assessment and Feedback

Task: Explore AI-based assessment methods.

- Objective: Evaluate different AI tools for language assessment.
- Requirements:
  - Research 3 AI assessment tools.
  - Test each tool on sample student work.
  - Compare their effectiveness.
- Deliverables:
  - Comparative analysis report.
  - Recommendations for classroom use.

Assignment 4: AI-Enhanced Speaking Practice

Task: Develop speaking practice activities using AI.

- Objective: Create engaging speaking exercises with AI integration.
- Requirements:
  - Design 5 speaking tasks.
  - Incorporate AI speech recognition.
  - Include real-time feedback features.
- Deliverables:
  - Task descriptions.
  - Student guidelines.

- o Evaluation criteria.

Assignment 5: Cultural Awareness through AI

Task: Utilize AI to enhance cultural understanding.

- Objective: Develop cultural awareness lessons using AI.
- Requirements:
  - o Research cultural aspects through AI tools.
  - o Create cross-cultural comparison activities.
  - o Integrate AI-generated content.
- Deliverables:
  - o Lesson plan with cultural focus.
  - o AI resource list.
  - o Reflection on cultural learning outcomes.

Assignment 6: AI Ethics in Language Teaching

Task: Analyze ethical considerations of AI use.

- Objective: Explore ethical implications of AI in language education.
- Requirements:
  - o Identify potential ethical issues.
  - o Propose solutions.
  - o Develop ethical guidelines.
- Deliverables:
  - o Research paper.
  - o Ethical guidelines document.

- Presentation.

Assignment 7: Collaborative AI Project

Task: Create a group project using AI tools.

- Objective: Develop a comprehensive AI-integrated teaching resource.
- Requirements:
  - Choose a language skill to focus on.
  - Select appropriate AI tools.
  - Design collaborative learning activities.
- Deliverables:
  - Final project presentation.
  - Digital resource package.
  - Peer evaluation report.

## Engaging AI Classroom Activities to Try With Your Students
### *The Great Debate*

Debates can be a powerful assessment tool—allowing students to express themselves while strengthening their critical thinking and communication skills. The social pressure of speaking aloud in front of the class, though, can fill students with dread. Plus, conversations are limited to students' perspectives and evidence they deem helpful. AI can assist them when preparing so they feel ready for the big day, and it can push them to think more deeply and critically than a peer.

After choosing a debate topic, assign or allow students to pick a character (real or fictional) to portray. Say, Thomas Jefferson versus Alexander Hamilton. Have students research their character's perspective and prepare arguments.

Use an AI chatbot (like ChatGPT or Gemini) to simulate the opponent. Here is a sample prompt base you can add on to: "You are Alexander Hamilton and I am Thomas Jefferson. Let us debate the role of the federal government. You open the conversation."

Encourage students to pause and ask the AI clarifying questions mid-debate to deepen their understanding. After the debate, ask the AI to analyse student responses for clarity, adaptability, evidence quality, and persuasiveness. Check out this sample debate where Jefferson (student role) and Hamilton (AI role) debate about the role of the federal government in our new nation (scroll up to the top to read the exchange). Wrap up with class reflection or a quick write: What did you learn? How did your perspective shift?

### *Story Collaborator*

If the goal is to get students to write more—which ultimately leads to their becoming better writers—sometimes they may need a little jolt to spark the process. Writer's block can stop students in their tracks, but AI can help generate targeted writing prompts or ideas that keep their creative juices flowing.

Have students ask AI to provide an interesting opening line or first few sentences of a short story. For example: "No one believed that Leo's cat could talk—until it demanded pancakes at breakfast." Students then use this as a jumping-off point, continuing the narrative in their own tone and style, developing their own characters and determining how the story progresses from there. This activity is about overcoming the initial hurdle of starting a story, not about having the AI do the writing. Students build confidence and improve their writing skills by taking AI-generated ideas and making them their own. The more they practice, the more they will develop their writing style and voice.

Alternatively, consider a more call-and-response activity (scroll up to the top to read the exchange). As they are writing, students can ask AI to periodically introduce an unexpected twist that prompts the story to go in another direction, then adjust their story in response to the AI's suggestion.

*Mock Career Interview*

Access to real-world experts is powerful — but often limited. Finding the right people, coordinating schedules, and ensuring that every student gets personalized time? Tough, even on the best day. While nothing replaces real human connection, students can flex their career-readiness muscles by using AI-generated simulation

interviews tailored to their desired careers. Want to be a nurse? Interview with a digital hospital administrator. Want to be a journalist? Chat with a news editor bot who wants to test your research skills and reporting instincts.

Students choose a career and role they want to be interviewed for. Creating a sample prompt that students can edit and input into their chatbot is helpful here. For example: "I'm a high school student interested in becoming a nurse. Can you act like a hospital administrator and give me a practice interview to see if I'm ready for a future health care career?"

Students respond to and ask their own questions by typing or using the voice feature in a tool like ChatGPT. Have students reflect on the feedback they receive and write a reflection on what they learned, as well as a plan for how they would improve in a real interview setting.

*Study Buddy*

Students are not always the best study partners for each other. Some overestimate what they know, others would rather chat about non-academic topics, and few are trained in using evidence-based study strategies like retrieval or spaced practice. An AI study buddy, though, never gets tired, distracted, or off-topic. Whether students need help quizzing themselves, breaking down complex topics, or

identifying where their understanding falls short, AI can provide real-time support. Ideally, for this task, they are using a teacher-created chatbot that you specifically instruct to only provide hints without directly giving the answer.

Students choose a concept to start with. Using a chatbot, they can ask the AI to generate open-ended or multiple-choice questions to help them better understand the topic. Alternatively, students can ask the AI to simplify and explain tricky concepts using terms they'll understand. For example: "I'm a fifth grader who loves baseball. Can you explain photosynthesis to me in terms I'll understand?"

Consider asking students to explain a concept to the AI. If the AI gets confused, the student revisits and clarifies: "I'm a fifth grader and I'm going to explain [INSERT CONCEPT HERE] to you. Listen carefully, and if I get something wrong or seem confused, ask me follow-up questions to help me understand better." After the session, encourage students to reflect on what they have mastered, as well as what they misunderstood and still need to review.

### Call-In Radio Show

Deep understanding comes from asking great questions, challenging assumptions, and digging beneath the surface. This activity turns your classroom into a radio talk show, where students do not just listen, they investigate and participate. After feeding

curated sources (like articles, YouTube videos, and websites) into Google's NotebookLM, the AI turns them into a podcast-style summary with an interactive host. Students can practice constructing and asking effective questions while dissecting the host's answers, and they can surface misunderstandings of their own in the process — all using content you've vetted and selected.

Choose your sources. You or your students collect primary and secondary sources—think: articles from History.com, PDFs of scientific research, YouTube explainers, encyclopedia entries or textbooks, and even class notes or slides.

Upload to NotebookLM. Add a prompt like this: "Summarize the major causes of World War I using these sources. Include insights about alliances, militarism, imperialism, and the assassination of Archduke Franz Ferdinand." Hit Generate, and NotebookLM creates a custom podcast-style summary based on your sources and prompt. Engage in Interactive Mode. While students listen, have them jot down questions they'd ask the host, fact-check and critique the explanations, and identify gaps or biases in what's shared.

## AI in Foreign Language Education: Summary

*1. What are the main advantages of using AI in foreign language education?*

- Accessibility and convenience: AI-powered language learning platforms are available 24/7, allowing students to practice at their own pace and schedule.
- Immediate feedback: AI provides instant corrections and explanations, helping students learn from their mistakes right away.
- Cost-effectiveness: AI-based learning tools are often more affordable than traditional classroom instruction.
- Consistency: AI delivers standardized lessons and assessments without variability in quality.
- Data tracking: AI systems can monitor student progress and performance metrics in real-time.

*2. How can AI personalize language learning for individual students?*

- Adaptive learning paths: AI adjusts content based on individual performance and learning style.
- Customized exercises: Tailors practice materials to address specific weaknesses.
- Pacing control: Allows students to move faster or slower through material as needed.
- Targeted vocabulary: Focuses on words relevant to the student's interests and goals.
- Skill-based recommendations: Suggests activities based on proficiency levels.

*3. Why is AI considered a valuable tool for language teachers?*

- Resource augmentation: Provides additional learning materials and exercises.
- Administrative support: Automates grading and progress tracking.
- Student engagement: Offers interactive tools to maintain interest.
- Data insights: Provides analytics to inform teaching strategies.
- Differentiation: Helps cater to diverse student needs simultaneously.

*4. What types of AI technologies are commonly used in language learning?*

- Chatbots for conversational practice
- Speech recognition systems for pronunciation feedback
- Machine translation tools for context understanding
- Natural Language Processing (NLP) for grammar correction
- Virtual reality environments for immersive learning
- Adaptive learning algorithms for personalized content delivery.

*5. How does AI adapt to different learning styles and paces?*

- Visual learners: Provides images, videos, and diagrams

- Auditory learners: Offers audio exercises and pronunciation guides
- Kinesthetic learners: Includes interactive simulations and games
- Reading/writing learners: Delivers text-based exercises and writing prompts
- Flexible pacing: Allows students to repeat lessons or skip ahead.

## 6. *What are the limitations of AI in language education?*

- Cultural context: Struggles with nuanced cultural references
- Emotional intelligence: Lacks human empathy and understanding
- Complexity: May not handle advanced linguistic subtleties
- Error correction: Sometimes provides inaccurate feedback
- Motivation: Cannot replace human encouragement and support.

## 7. *Can AI replace human teachers in language classrooms?*

- Complementary role: AI is best used as a teaching assistant, not a replacement
- Human interaction: Essential for authentic communication practice
- Critical thinking: Requires human guidance for complex discussions

- Personal connection: Important for student motivation and engagement
- Contextual understanding: Human teachers provide real-world relevance.

## 8. How does AI assess language proficiency accurately?

- Pattern recognition: Identifies common errors and strengths
- Performance metrics: Tracks progress over time
- Comparative analysis: Compares against established benchmarks
- Adaptive testing: Adjusts difficulty based on performance
- Multimodal assessment: Evaluates speaking, writing, and comprehension.

## 9. What role does AI play in vocabulary acquisition?

- Spaced repetition: Optimizes review schedules for retention
- Contextual learning: Provides real-life usage examples
- Personalized lists: Creates customized vocabulary sets
- Mnemonic support: Offers memory aids and associations
- Progress tracking: Monitors word retention over time.

## 10. How can AI help with pronunciation practice?

- Real-time feedback: Provides instant pronunciation corrections

- Phonetic analysis: Breaks down sounds and intonation patterns
- Comparison tools: Compares user pronunciation to native speakers
- Interactive exercises: Offers targeted pronunciation drills
- Accent reduction: Focuses on specific problematic sounds.

## 11. Which AI tools are most effective for grammar practice?

- Grammarly — real-time grammar checking and suggestions
- Duolingo — interactive exercises and personalized feedback
- Grammar Checker tools — specific platforms focusing on error detection
- ChatGPT — can analyze and correct sentences while explaining mistakes
- Language Learning Apps — integrated grammar practice modules.

## 12. How can AI assist in creating language learning materials?

- Content Generation — creating exercises, quizzes, and practice materials
- Personalization — tailoring content to individual learner needs
- Translation Tools — providing accurate translations and context

- Adaptive Learning — adjusting difficulty based on performance
- Data Analysis — tracking progress and suggesting improvements.

## 13. What are the best AI platforms for language practice?

- Duolingo — gamified language learning
- Babbel — structured lessons with AI adaptation
- Rosetta Stone — immersive learning experience
- Memrise — uses AI for personalized learning paths
- Google Translate — real-time translation assistance.

## 14. How can teachers integrate AI into their lesson plans?

- Supplementary Materials — using AI-generated content
- Assessment Tools — automated grading and feedback
- Personalized Learning — adapting lessons to student needs
- Virtual Assistants — providing additional support outside class
- Interactive Exercises — incorporating AI-driven practice activities.

## 15. What are the ethical considerations when using AI in education?

- Data Privacy — protecting student information
- Bias — ensuring fair and unbiased AI algorithms
- Dependence — avoiding over-reliance on AI tools

- Transparency — understanding how AI makes decisions
- Equity — ensuring equal access to AI resources.

## 16. How can AI help with language assessment and grading?

- Automated Scoring — quick evaluation of written work
- Error Analysis — detailed feedback on mistakes
- Progress Tracking — monitoring student development
- Standardization — consistent grading criteria
- Time Efficiency — reducing teacher workload.

## 17. What are the security concerns regarding student data in AI systems?

- Data Breaches — potential unauthorized access
- Privacy Violations — misuse of personal information
- Third-Party Access — sharing data with external entities
- Data Storage — secure storage solutions
- Compliance — adherence to data protection regulations.

## 18. How can AI support language immersion outside the classroom?

- Virtual Practice Partners — chatbots for conversation practice
- Translation Tools — real-time language assistance
- Content Adaptation — personalized learning materials
- Cultural Insights — context-based learning support
- Gamification — engaging language practice activities.

*19. What are the most common challenges when using AI in language learning?*

- Accuracy Issues — potential errors in AI-generated content
- Technical Limitations — system glitches and downtime
- Over-reliance — dependency on AI tools
- Cost — access to premium AI services
- User Experience — interface complexity.

*20. How can teachers ensure students use AI effectively?*

- Training — teaching proper AI usage
- Monitoring — tracking student progress
- Guidelines — establishing usage policies
- Integration — combining AI with traditional methods
- Feedback — providing guidance on AI usage effectiveness.

*21. What future developments can we expect in AI language learning?*

Artificial Intelligence is rapidly transforming language learning, and several key developments are on the horizon:

- Personalized Learning Paths: AI will create customized learning plans based on individual student performance and progress.

- Advanced Speech Recognition: Improved algorithms will better understand accents and dialects, providing more accurate feedback.
- Virtual Language Partners: AI-powered chatbots will simulate real-life conversations, helping students practice in a safe environment.
- Multimodal Learning: Integration of text, audio, video, and interactive content for a more engaging experience.
- Predictive Analytics: AI will anticipate learning challenges and suggest preventive measures.

## 22. How will AI impact language education in the next decade?

Transformation of Education will be significant:

- Accessibility: Language learning will become more accessible globally, breaking down geographical barriers.
- Efficiency: Learning processes will become more efficient through data-driven insights.
- Adaptability: Curriculum adaptation in real-time based on student needs.
- Cost Reduction: Reduced costs for educational materials and resources.
- Skill Development: Enhanced focus on practical language skills rather than theoretical knowledge.

## 23. What skills will teachers need to work with AI effectively?

Essential Competencies for effective AI integration:

- Digital Literacy: Proficiency in using AI tools and educational platforms.
- Data Analysis: Ability to interpret student performance data.
- Pedagogical Adaptation: Flexibility in adapting teaching methods to AI-enhanced environments.
- Critical Thinking: Evaluating AI recommendations and making informed decisions.
- Collaboration Skills: Working with AI as a teaching assistant rather than a replacement.

*24. How can AI help bridge the gap between different language levels?*

AI Solutions for levelling differences:

- Adaptive Difficulty: Automatically adjusting content complexity based on proficiency.
- Progress Tracking: Monitoring individual student development and providing targeted support.
- Peer Matching: Connecting students with similar proficiency levels for practice.
- Customized Feedback: Providing personalized corrections and suggestions.
- Gap Identification: Detecting and addressing specific areas of weakness.

*25. What recommendations would you give to schools adopting AI in language teaching?*

Implementation Strategies:

- Phased Approach: Start with pilot programs before full-scale adoption.
- Teacher Training: Provide comprehensive training on AI tools and methodologies.
- Student Support: Ensure adequate technical support for learners.
- Data Security: Implement robust data protection measures.
- Continuous Evaluation: Regularly assess AI effectiveness and make adjustments.
- Hybrid Model: Combine AI tools with traditional teaching methods.
- Community Involvement: Engage stakeholders in the decision-making process.
- Budget Planning: Allocate resources for ongoing AI maintenance and updates.

By following these recommendations and staying informed about technological advancements, educational institutions can effectively integrate AI to enhance language learning outcomes.

## AI in Language Education: Project Ideas

1. AI-Powered Language Assessment System

Development of an automatic language proficiency assessment system using machine learning to analyze pronunciation, grammar, and vocabulary.

## 2. Personalized Learning Paths with AI

Creating an adaptive educational platform that adjusts the learning program to the individual needs and level of each student.

## 3. Chatbots for Language Practice

Development of a chatbot for daily language practice that can engage in conversations on various topics and correct mistakes.

## 4. AI-Enhanced Vocabulary Acquisition

A study on the effectiveness of using AI to memorize and practice new vocabulary through contextual learning.

## 5. Machine Translation in Classroom

Analysis of the impact of machine translation on the development of language skills and communicative competencies.

## 6. AI-Generated Speaking Exercises

Creating an automated system for generating conversational exercises based on the analysis of students' typical mistakes.

## 7. Sentiment Analysis in Language Learning

Using sentiment analysis to assess students' emotional state during language learning.

## 8. AI-Based Grammar Correction Tools

Development of tools for automatic correction of grammatical errors in real time.

## 9. Virtual Language Tutors

Creating virtual language tutors using speech recognition and natural language processing technologies.

## 10. AI-Driven Content Curation

Development of an automatic system for selecting educational materials based on the student's level and interests.

## 11. Speech Recognition for Pronunciation Training

Research on the effectiveness of speech recognition systems in improving pronunciation.

## 12. AI in Cultural Context Learning

Using AI to integrate cultural context into the language learning process.

## 13. Automated Essay Scoring Systems

Creating an automatic grading system for written assignments with feedback.

14. AI-Assisted Language Immersion Programs

Development of immersion programs in a language environment using AI technologies.

15. Neural Networks in Language Prediction

A study on the use of neural networks to predict students' language errors.

16. AI-Based Error Analysis Tools

Creating tools for analyzing typical errors and automatically classifying them.

17. Machine Learning in Language Diagnostics

Development of a language skills diagnostic system using machine learning.

18. AI-Powered Language Games

Creating educational games using AI to increase motivation for language learning.

19. Natural Language Processing in Feedback Generation

Research on the possibilities of NLP for creating personalized feedback.

## 20. AI in Multilingual Education

Development of multilingual educational platforms that can be adapted to different languages and cultures.

1. Project Overview

- Project Objective: Develop an adaptive multilingual educational platform using AI technologies.
- Target Audience: Students, educators, and institutions requiring multilingual learning solutions.
- Scope: Platform development, language adaptation, cultural customization.

2. Preliminary Research

- Market Analysis:
    - Study existing multilingual education platforms.
    - Identify gaps and opportunities.
    - Analyze user needs and preferences.
- Technological Assessment:
    - Review current AI capabilities in language processing.
    - Evaluate machine learning algorithms for educational purposes.
    - Research cultural adaptation technologies.

3. Platform Development

- Core Features:

- o AI-driven language translation and adaptation.
- o Personalized learning paths.
- o Cultural context customization.
- o Interactive learning tools.
- Technical Requirements:
  - o Cloud-based infrastructure.
  - o Scalable architecture.
  - o Secure data management.
  - o User-friendly interface.

## 4. Language Adaptation Strategy

- Language Support:
  - o Initial language set (top 10 global languages).
  - o Phased addition of regional languages.
  - o Continuous language model training.
- Localization Process:
  - o Cultural nuances integration.
  - o Idiomatic expressions handling.
  - o Context-sensitive translation.

## 5. Cultural Customization

- Content Adaptation:
  - o Cultural references adjustment.
  - o Local examples incorporation.
  - o Region-specific learning materials.
- User Experience:
  - o Customizable interface elements.

- o Respect for cultural norms.
- o Sensitivity training for AI models.

6. Implementation Plan

- Phase 1: Platform foundation development.
- Phase 2: Core language modules integration.
- Phase 3: Cultural adaptation implementation.
- Phase 4: Testing and user feedback collection.
- Phase 5: Launch and scaling.

7. Quality Assurance

- Testing Protocols:
    - o Language accuracy verification.
    - o Cultural context validation.
    - o User experience testing.
- Continuous Improvement:
    - o Feedback loops.
    - o Regular updates.
    - o Performance monitoring.

8. Risk Management

- Technical Risks:
    - o AI accuracy issues.
    - o System scalability challenges.
    - o Data security concerns.
- Cultural Risks:
    - o Misinterpretation of cultural contexts.
    - o Offending content generation.

- Language accuracy problems.

9. Stakeholder Management

- Key Stakeholders:
    - Educational institutions.
    - Language experts.
    - Cultural consultants.
    - End-users.

- Communication Strategy:
    - Regular updates.
    - Feedback channels.
    - Support systems.

10. Sustainability Plan

- Revenue Model:
    - Subscription plans.
    - Institutional licenses.
    - Additional services.

- Growth Strategy:
    - Continuous language expansion.
    - Curriculum updates.
    - Partnership development.

**Answer the Questions about AI in Language Learning**

1. What are the main advantages of using AI in foreign language education?

2. How can AI personalize language learning for individual students?

3. Why is AI considered a valuable tool for language teachers?

4. What types of AI technologies are commonly used in language learning?

5. How does AI adapt to different learning styles and paces?

6. What are the limitations of AI in language education?

7. Can AI replace human teachers in language classrooms?

8. How does AI assess language proficiency accurately?

9. What role does AI play in vocabulary acquisition?

10. How can AI help with pronunciation practice?

11. Which AI tools are most effective for grammar practice?

12. How can AI assist in creating language learning materials?

13. What are the best AI platforms for language practice?

14. How can teachers integrate AI into their lesson plans?

15. What are the ethical considerations when using AI in education?

16. How can AI help with language assessment and grading?

17. What are the security concerns regarding student data in AI systems?

18. How can AI support language immersion outside the classroom?

19. What are the most common challenges when using AI in language learning?

20. How can teachers ensure students use AI effectively?

21. What future developments can we expect in AI language learning?

22. How will AI impact language education in the next decade?

23. What skills will teachers need to work with AI effectively?

24. How can AI help bridge the gap between different language levels?

25. What recommendations would you give to schools adopting AI in language teaching?

These questions can be used for:
- Classroom discussions
- Research papers
- Exam preparation
- Group projects
- Individual assignments.

## How to Stay Relevant as a TEFL Teacher

AI is becoming a regular part of language learning, but that does not mean teachers are being pushed aside. In fact, this is a great time to level up your skills, stand out, and offer students even more

value. Here are some practical ways to stay ahead and stay confident in your role.

1. Try Out AI Tools

You do not need to become a tech expert overnight. Just start small. These tools can save you time and help you create more engaging activities. Most of them are free to try and have lots of online tutorials. The key is to test things out at your own pace and see what works for you and your students.

2. Do What AI Cannot

AI can handle exercises, but it cannot replace the human connection. That is where you shine. Talk about real life situations, culture, humour, or local expressions. Encourage creative writing, open discussions, and problem solving. Support your students emotionally, motivate them, and help them believe in themselves. Students do not just need knowledge — they need someone who listens, adapts, and makes learning meaningful. That is not something an app can do.

3. Keep Learning

The best way to stay relevant is to stay curious. You do not need to take big courses, even short workshops, YouTube tutorials, or

webinars can introduce you to new tools and ideas. Look for practical online courses on digital teaching, AI for education, or even basic content creation. Join online teacher communities where people share tools, tips, and inspiration. Learning little by little will keep you confident and up to date.

4. Mix Online and In Person

You do not have to pick one or the other. Use AI-powered apps for practice or homework and use your class time for conversation, games, and group work. This hybrid approach works especially well for students who want flexibility but still need real interaction. It also helps you use your time more efficiently, the apps handle repetition, and you handle the real connection.

5. Build Your Teaching Style

In a world full of tools and platforms, your personal teaching style is what makes you stand out. Post short videos, tips, or stories about your classes on social media, even something simple like a "Phrase of the Week" can help you attract students who love your vibe. Platforms are great for building a presence, even if you only post once a week. People want to learn from real humans, not just flashy apps, so show them who you are.

6. Find Your Niche

Focus on areas of English that AI still struggles with. For example:

- Business English for professionals

- IELTS or TOEFL prep, where feedback and strategy matter
- Speaking confidence, where tone and emotions are key
- Academic writing or presentation skills.

These specializations make you more valuable and harder to replace. They also tend to attract students who are more committed.

7. Stay Positive

Yes, things are changing, but that is not always a bad thing. New tools can make your job easier and open new doors. Stay open-minded, ask your students what they enjoy, and try new things little by little. You do not need to do it all at once. Just keep moving forward, and remember — your students are not just learning English, they are learning from *you*.

## The Future of AI in Education

Educators and technologists must work together to create a new educational paradigm where AI and human teachers operate as true partners. This vision sees teachers evolving into "learning architects" who orchestrate sophisticated educational experiences by leveraging AI tools while maintaining their crucial role as mentors and guides.

The next five years will be critical in shaping this transformation. Educational institutions need to invest in both AI infrastructure and

teacher training; ensuring educators are comfortable using these tools to enhance their teaching rather than feeling threatened by them. Forward-thinking schools are already establishing AI competency programmes for teachers, focusing on how to effectively integrate tools like adaptive learning platforms and GenAI into their teaching practice.

Most importantly, the future of AI is about saving both learners and teachers time to focus on developing skills such as conversational fluency or confidence in communicating across cultures. The strength of AI is in creating a personalised learning experience that allows the student to work on their personal areas of weakness and benefit from tailored feedback, rather than following along to a one-size-fits-all model of learning. If students are using AI-powered language learning tools in their own time, their classroom time can be optimised for focusing on the skills and capabilities that no machine can (yet!) deliver for them.

The future of education lies not in choosing between AI and human teachers, but in embracing the powerful potential of their collaboration. The technology is ready and early results are promising. Now it is time for educational institutions, policy-makers and teachers to embrace this collaborative approach to create learning environments that are more personalized, equitable and effective than ever before. By combining the analytical power

of AI with the irreplaceable human element of teaching, we can truly transform education for the next generation.