



Role of Technology in Language Teaching and Learning

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Abstract: Globally, language acquisition is being affected by technology more and more. The formal classroom is no longer the dominant learning environment because of how quickly the field of language teaching and learning has changed. Technology use has grown to be a critical component of learning inside and outside the classroom. Most language classes use technology of some kind. Language learning has been enhanced by the use of technology. Teachers can modify classroom activities thanks to technology, which improves language acquisition. Language is one of the key factors that influence international communication activities. A crucial component of interpersonal connection is language. All species have their own means of communication, but only humans have perfected the use of cognitive language. We may communicate our thoughts, feelings, and ideas to others using language. It has the ability to both create and destroy societies.

Keywords: Language, technology, communication, acquisition, classroom

I. INTRODUCTION

As stated in the World-Readiness Standards for Learning Languages, language instructors can and should use technology to improve language instruction, practice, and evaluation. The use of technology is not a goal in and of itself; rather technology is one tool that supports language learners as they use the target language in culturally appropriate ways to accomplish authentic tasks. The technology used in modern language teaching and learning includes, but is not limited to, language labs, computers, multimedia devices, mobile phones, audio/visual multimedia content, EdTech solutions, and social media, all of which can promote a quicker and more thorough advancement in a language. Additionally, whether delivered in a classroom or through technology, all language learning opportunities should be standards-based, instructor-designed, learner-centered, and focused on fostering competency in the target language through engaging, relevant, and interactive learning activities. Technology should be developed in a way that supports the interactions that students require to be prepared for college, careers, life, and the rest of the world. This is best done by considering the needs of language learners. Language teachers are very drawn to educational technology tools because of their role in fostering student engagement and promoting effective language learning results.

II. IMPORTANCE OF TECHNOLOGY IN LANGUAGE EDUCATION

Technology gives teachers more tools to connect with students who have varied needs and strengths. Technology promotes independent learning, responsible behavior acquisition, and the development of higher-order thinking abilities. It aids them in overcoming their learning difficulties and discovering ways to put what they have learned to productive and worthwhile use. Here are some points which explain the importance of technology in language education explicitly.

1. Using technology, educators can connect with students locally and globally.
2. Students who aren't even in the same nation as you can utilize it in the classroom, access it from home, and communicate with you.
3. It fosters cooperation and provides access to endless resources.
4. Technology-based activities that complement conventional teaching strategies and improve the learning experience might help teachers better engage and encourage their students.

III. HOW TECHNOLOGY IN LANGUAGE LEARNING SUPPORTS TEACHERS

Creates a better learning environment

The use of technology in the learning environment and the adoption of active learning principles that encourage collaboration, active engagement, and social interaction in the classroom also help to create a more inclusive environment for all learners. Integrating technology into the learning environment doesn't have to be expensive. You can begin with what you already have. Depending on your school's budget, you might be able to add a few things, like a software license for a virtual lab station or a set of headphones for students who are working on a silent project. Flexible classroom spaces that integrate connected devices, audiovisual tools, and



functional furniture in a technology-driven learning environment encourage positive student engagement and the combination of independent, small-group, and whole-class learning that is now recognized as crucial to student success.

Opens the door to a greater variety of language teaching techniques

Modern language teaching strategies primarily use multimedia, communicative approaches, various resources, and educational games to give students opportunities to meaningfully increase their exposure to language and thereby make their knowledge, as opposed to traditional language teaching methods that may make students passive and bored. Multimedia elements like images, videos, and audio recordings can be a great way to make language classes more engaging and interactive. The teachers can use them to tell a story, demonstrate a certain concept, or have students fill in the blanks. Communicative approach to language learning helps students to actively use language they've learned instead of just passively receiving information. It's not only about speaking the language, but understanding it as well.

Connects the classroom with the real world

Technology in the classroom such as videos, images and software solutions has become an increasingly effective tool for teachers to incorporate into their lessons. Videos, photos, and software tools used in the classroom give teachers the tools they need to bring more of the outside world into the classroom. With these tools a teacher can take a principle theory and make it into a practical experience that is grounded in the real world. By doing this, learners are more motivated to practice and deeply immersed in language learning.

IV. HOW TECHNOLOGY IN LANGUAGE LEARNING SUPPORTS STUDENTS

Wider exposure to the target language and culture

With the aid of technology, students have more opportunities for real-world communication with native speakers and other language learners at different proficiency levels inside or outside of the classroom. Language learning is made feasible by a wealth of technological resources and leads to perfection. Tech can be a fun way to meet new people and experience another culture. It can also be a powerful tool for learning a language. When someone is trying to learn a foreign language it will obviously help them in doing so if they know something about the cultural background of that language which they can directly have by interacting with a native speaker through various applications.

Higher motivation and attention

Students who transform from passive recipients to active learners may become very enthusiastic about language acquisition and eager to put their newfound skills to use by employing devices that offer capabilities like voice recognition and interactive multimedia exercises. Even though language apps are not intended to replace traditional methods of learning, they can be a fun way for students to engage with words and phrases, test their comprehension, expand their vocabulary, and discover new ways to express themselves. What's more, language apps can be a useful resource for students with special needs. Students with sensory issues can find these apps helpful because they are visual and have customizable settings. Students who have difficulty with reading can use voice recognition capabilities on language apps to practice their speaking skills. Students who have trouble with basic word order can use these apps to discover new sentence structures.



Fig. 1 Use of technology in teaching learning process

Flexible Learning

Students have much more flexibility in the classroom to choose how they study the language. Making independent decisions and accepting personal accountability promote deeper and more rewarding linguistic immersion. Additionally, the use of technology allows students to work at their own pace and in their own style. The language is no longer a barrier to communication, as students can easily connect with native speakers through video conferencing or social media. Students can also receive tutoring in small groups or one-on-one, allowing them to learn at the speed that works best for them. When learning a language, it's important to



cultivate a mindset of deliberate practice, which is often referred to as “outside the box” thinking. There are many applications and softwares throughout the internet like duolingo, Rosetta Stone etc. that allows the students to customize their way that they want to learn in and also allow them to learn at their own pace.

V. CONCLUSION

Thus at the end of this discussion, we can conclude that technology these days are of utmost importance in the field of learning and teaching. Therefore, to preserve social equality and defend the rights of the underclass, the government must offer such technology tools to public schools. Moreover, it must also put in place policies that will encourage the use of such technology in private schools. Only then can we have a truly equitable educational system that benefits every child irrespective of his or her socio-economic status. In fact, the government must go a step forward and make sure that every child in the country has access to the internet. Through this, the underprivileged sections of the society will get an equal opportunity of education and will not be left behind in the race of development. Thus, we can say that technology is the greatest enabler of social equality. In this discussion, we focused mainly on the significance of technology use on teachers and students who are an integral part of the teaching-learning system and how it can promote them into a much better open-minded teaching and education experience.

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