

EDUCATIONAL TECHNOLOGY AND PRINCIPLES AND METHODS OF
TEACHING ENGLISH

*TECNOLOGIA EDUCACIONAL E PRINCÍPIOS E MÉTODOS DE ENSINO DE
INGLÊS*

*TECNOLOGÍA EDUCATIVA Y PRINCIPIOS Y MÉTODOS DE ENSEÑANZA DEL
INGLÉS*



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ABSTRACT: The teaching aids as an interface have been able to play their role well. It will be better if teachers have the necessary skills to use these tools. Today, experts and thinkers around the world emphasize the importance and determining the role of educational technology in the learning process and believe that the optimal use of teaching aids instead of teachers will have a constructive effect on improving the quality of education. Due to our country's educational system's problems in teaching English and the lack of skills of trained students, especially in speaking, listening, and writing, many parents try to cover this shortage in the educational system by resorting to advanced schools. Thus, in this article, we decided to examine the role of teaching assistive technologies in facilitating English language teaching in classrooms.

KEYWORDS: Educational technology. Quality improvement. English. Traditional education.

RESUMO: *Os instrumentos auxiliares de ensino como interface têm conseguido desempenhar bem o seu papel e seria melhor se os professores tivessem as habilidades necessárias para usar essas ferramentas. Hoje, especialistas e pensadores de todo o mundo enfatizam a importância e determinam o papel da tecnologia educacional no processo de aprendizagem e acreditam que o uso ideal de facilitadores de ensino em vez de professores terá um efeito construtivo na melhoria da qualidade da educação. Devido aos problemas do sistema educacional do nosso país no ensino de inglês e à falta de habilidades dos alunos treinados, especialmente em falar, ouvir e escrever, muitos pais tentam cobrir essa deficiência no sistema educacional recorrendo a escolas avançadas. Assim, neste artigo, decidimos examinar o papel do ensino de tecnologias assistivas na facilitação do ensino de língua inglesa em salas de aula.*

PALAVRAS-CHAVE: *Tecnologia educacional. Melhoria da qualidade. Inglês. Educação tradicional.*

RESUMEN: *Los medios didácticos como interfaz han sabido desempeñar bien su papel. Será mejor si los profesores tienen las habilidades necesarias para usar estas herramientas. Hoy en día, los expertos y pensadores de todo el mundo enfatizan la importancia y la determinación del papel de la tecnología educativa en el proceso de aprendizaje y creen que el uso óptimo de los medios de enseñanza en lugar de maestros y maestros tendrá un efecto constructivo en la mejora de la calidad de la educación. Debido a los problemas del sistema educativo de nuestro país en la enseñanza del inglés y la falta de habilidades de los estudiantes capacitados, especialmente en hablar, escuchar y escribir, muchos padres tratan de cubrir esta carencia en el sistema educativo recurriendo a escuelas avanzadas. Por lo tanto, en este artículo, decidimos examinar el papel de la enseñanza de tecnologías de asistencia para facilitar la enseñanza del idioma inglés en las aulas.*

PALABRAS CLAVE: *Tecnología educativa. Mejora de la calidad. Inglés. Educación tradicional.*

Introduction

Today, the attitude of thinkers towards the goals of educational goals has completely changed. These developments and differences of ideas are due to applying educational methods in the past—the desire of today's society and predicting the desire of tomorrow's society. Learning occurs when standard factors come together. Educational space, educational content, rules and regulations, and the teacher and teaching aids' physical and mental condition. The impact of technology on education has been studied by many researchers in the last four decades. The most prominent and typical research findings in this field are related to the impact of technology in education, factors of use and non-use (ICT) in education, and how to facilitate its use in the development of teaching models. According to the advancement of information technology and the penetration of telecommunications into society's depths, the tools and methods of education also evolved. The evolution of these tools and methods was such that each individual and place can learn with their facilities and in the period they specify. Today, by introducing new educational technologies and especially Internet access among the inclusive community in schools and their influence on global and non-indigenous cultures, a situation has arisen in which education is inevitably adapted to new needs according to the desires of the time. Selecting and achieving new functions requires a new review of the education system. English language with its four skills (listening, speaking, Reading, and Writing.) needs educational technology and new planning. Computers and educational software are among the most practical English language teaching tools in the last decade. Therefore, the main goal of educational technology in language teaching has been focused on this section, and the design and evaluation of curricula and teaching are based on this principle. According to computer usage, television, tapes, media, programmed learning materials, and other techniques give the teacher more opportunity to design individual and group work with students. Using technology tools accurately will prevent the teacher from acting as a speaker and create a kind of mental atmosphere in the classroom that leads to real learning. These tools help the teacher be a professional, and using the teaching aids allows the students and the teacher not to rely only on the textbook as the only textbook. Educational technology is designed to help provide this type of training. Computers and technology are a significant threat and source of insecurity for teachers around the world; Websites and blogs, wikis, software, magazines, etc. They can overshadow the job security of teachers. Some countries have made significant institutional efforts to make their tools smarter, and as a result, the positive effects of computers on language

teaching have been proven. However, there is interest and providence in many language teachers to use computers in language teaching. Besides, the lack of sufficient time to devote to extracurricular activities and difficulties in combining the new pattern in the classroom is among the most important reasons for it. Teachers' attitudes and attention have a great impact on the use of computing significant in the classroom. It also emphasizes that teachers' personal beliefs about using technology in language teaching influence decision-making, which is the critical factor influencing their use of technology. Similarly, the successful correlation between technology and the classroom depends on the teachers themselves, such as their inference and attitude. It should also point out that teachers' inferences and attitudes towards teaching and technology can be considered untying and facilitating factors that give them enough confidence to use technology. Teachers' private records, such as personal confidence, propensity to use technology, and a desire for new methods, are all critical factors that can make a big difference in technology and computers in the classroom. Institutional organizations, educational boards (regional and national), and even publishers turn their attention to distance and online education. As a result, computers are no longer the only tool for sending messages and searching for information.

Literature review

Many writers have written about educational technology. Most of the time, however, they have examined the different method educational technology. The educational technology, especially new technologies, affects the learning performance of language learners in various ways. The study of the effect of educational technology on language learners has been the subject of research by education specialists for many years. In these studies, the relationship between learning and educational technology in different dimensions has been studied. The results obtained from most of these studies have shown the positive effect of these technologies on the learning process of language learners. Learning time is reduced when using a computer in training compared to the traditional method, in other words, the speed of learning is increased. They have a greater impact on learners' learning. The use of simulation and high-level intellectual software can improve students' mathematical performance. The use of computers in education increases the speed of students' learning and increases their confidence and self-esteem in learning. Educational technology helps students achieve educational goals and improves basic skills such as reading, writing and arithmetic. Educational technology

engages students with learning, and as a result, they spend more time in order to doing their homework.

Table 1 – Comparison of Traditional Education and Educational Technology

	Traditional Education	Educational Technology
Learning time	High	low
Learning speed	Slow	Fast
Impact of learning	low	High
Students' performance in learning	low	High
Contribute to educational goals	low	High
Learning conflict	low	High

Source: Prepared by the author

Materials and methods

The method of this research is semi-experimental or quasi-experimental according to the topic, objectives and hypotheses. In this research, two groups of teaching by traditional method and teaching with educational technology are divided. Experiments were evaluated for six components: learning time, learning speed, impact of learning, students' performance in learning, contribution to educational goals, and learning conflict. Then the characteristics of both methods were investigated. After that, the reasons for using educational technology were evaluated. Finally, the future of education technology was evaluated.

Results and discussion

The concept of teaching aids

Anything that can increase the quality of teaching and learning is a teaching aid. The media was the first aid used in education, which has followed by others such as images, maps, slides, films, and many other media that entered the education process.

The importance of teaching aids

Research shows that through ordinary teaching (traditional education), only 30% of the material is learned, while if the learning is done with the correct use of communication tools, it will increase the rate of 75%.

Benefits of educational tools and technologies

Educational technology has the potential to improve the teaching / learning process, including:

- Individualizing education;
- Improving the quality of teaching;
- Dealing with the problems of collective education;
- Creating equal educational opportunities;
- Provide continuing education;
- Strengthen the role of the teacher;
- Emphasize the human aspects of education.

Features of educational tools

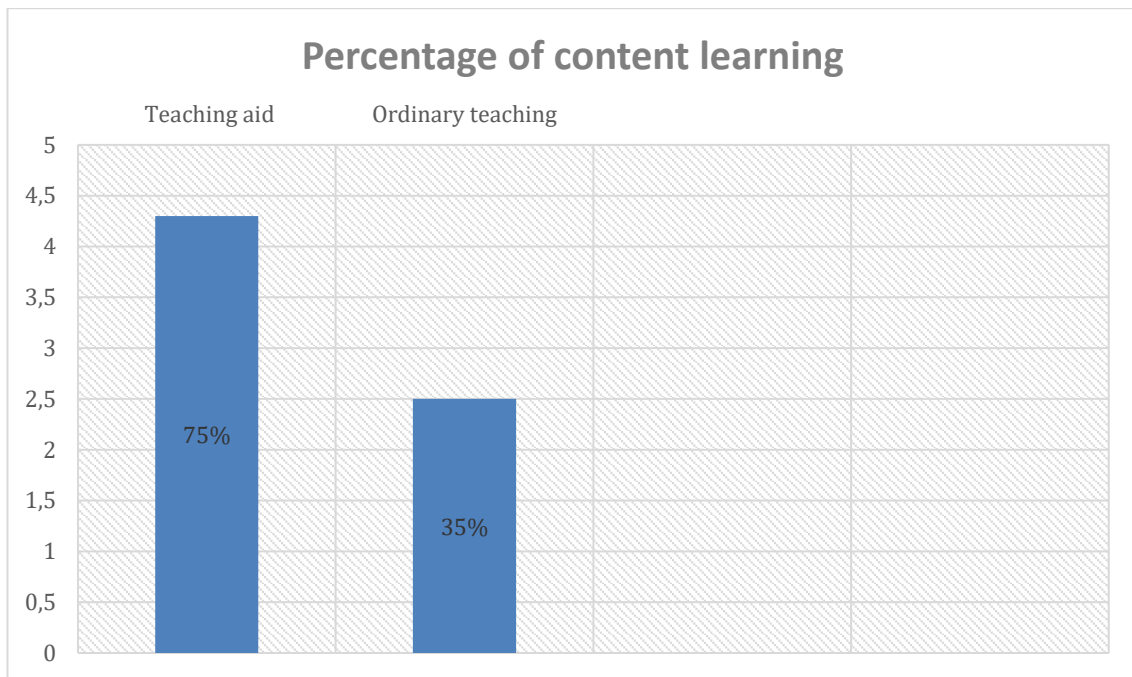
Teaching aids include media, pictures, the use of plays, educational games, and the creation of small groups of students for learning activities and tastes that make learning very desirable and attractive, and the purpose of using a variety of teaching aids is to facilitate and expedite teaching and learning. The use of educational materials and tools causes more attention of learners and as a result reduces the impact of physical barriers of communication and establishes more communication and understanding between teacher and student. In fact, teaching aids are a part of educational technology that aims to solve educational problems and issues, by examining and controlling all the factors affecting learning and set of components of the educational process. Achieving this goal is not an easy task because in addition to the necessary changes and reforms in the traditional teacher-centered system, the scientific and practical competence of teachers must be improved through the necessary training, which is one of the ways to recognize and apply different concepts.

Table 2 – Teaching features of Ordinary teaching & Teaching aids

	Teaching tools	Teaching features	Percentage of content learning
Ordinary teaching	Traditional learning tools such as books and pamphlets	Group learning The quality of ordinary education Unequal educational opportunities	30%
Teaching aids	Images, maps, slides, videos and many other media	Individual training Improving the quality of teaching Creating equal educational opportunities	75%

Source: Prepared by the author

Chart 1 – Percentage of content learning in Ordinary teaching and Teaching aid

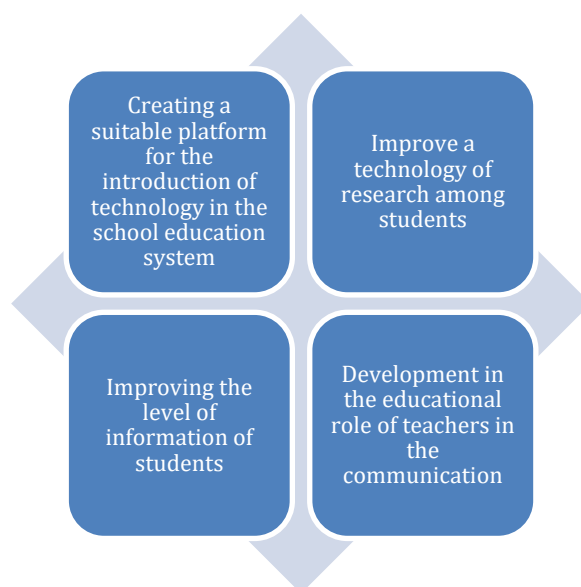


Source: Prepared by the author

The necessity to use technology in the school education system

The advent of new technologies has increased the interest in acquiring knowledge in various ways and suitable for different situations. It can be claimed that the amount of human information doubles every five years. In other words, the total information available to a student in 1997 is less than one percent of the information that will be available to other students in 2050. Therefore, due to the vast and pervasive changes in societies, people need modern education to respond to the complex needs of modern society, which will not be possible except to change the education system and change learning environments.

Chart 2 – The necessity of using technology in the educational system



Source: Prepared by the author

The effectiveness of teaching aids in teaching English

One of the most important things for successful language learning is the availability and appeal of the content. However, for many language learners, both in the classroom and those who study at home, such access is usually limited by ICT solutions. That is why language educators have long considered information and communication technologies for this problem. Improving cost-effective access to digital and multimedia technologies used to access educational materials. These technologies are often more cost-effective than printed media or recorded audio. In addition, PowerPoint presentations can create stronger connections in learners' brains.

Provide opportunities for communication

Participating in various communications in the language being taught is another essential condition for successful language learning. Most of the learners do not have such opportunities. However, so far special attention has been paid to creating these opportunities in teaching with the help of modern technologies and e-learning so that learners can communicate well in English. Efforts in this area can be grouped into two categories: communication and conversation with the computer itself and communication and conversation with the help of computers with the remote audience.

The future of learning using teaching aids and technology

Learners are an important factor in changing the world. Therefore, continuing education should be one of the most important goals of learning. Meanwhile, educational technology can serve learners' lifelong learning. Studies have also shown that in classrooms that use technology, learners are more willing to work with teachers, do their homework, and choose a participatory approach to solving complex problems. Research notes on the impact of technology on writing show that learners who use keyboards in writing can write more easily than with pencils and pens; that's why learners can learn to write better by using a lot of computer search practice to find information on the keyboard. Additionally, it makes it possible on any subject. Furthermore, software's such as databases, spreadsheets, and concept maps help learners organize and evaluate data and information they have accessed online. As a result, learners can express their thoughts and ideas clearly and creatively using communication media such as words, images, audio-visual media and other technologies. Likewise, when learners feel they can do something with their teachers, parents, and classmates, they feel satisfied. In the classroom, some teachers tend to use digital media to reinforce basic skills in learners by using image and video technology, they can bring the world outside the classroom into the classroom. The above outlines the future of learning for learners. Therefore, it is necessary to provide the ground for the use of new technology in the learning-teaching process as soon as possible. However, learners can use these technologies.

Conclusion

If until previous educational system benefited only from teachers and educators and books were considered as the main source of information in education, today education is faced with new communication tools and environments. Recent advances in the computer and information industry and the advent of local, regional and international information networks, especially the Internet, has introduced new media, communication technologies, tools and methods to designers, planners, managers and executives of educational programs. The penetration of new information technologies into educational centers (from schools to universities) and even homes has transformed simple teacher-student relationships in general. In this way, traditional learning patterns have evolved and users are exposed to vast amounts of knowledge and information. As it is obvious, there is a significant difference between the two methods of teaching through network and technology and teaching in the traditional way by using this method through the network has a significant effect on language learners. The success rate of learners in computer-assisted training courses has been higher than the traditional method. Their success is also due to more interaction with the teacher through the Internet, which provides feedback, as well as the teacher's availability online and the creation of a collaborative learning environment. Since English language includes several different skills (listening, speaking, writing, etc.) and domestic school students, mainly, face many difficulties in learning, by using new ways and methods along with proper training materials can solve many of student's problems. In the meantime, the use of computer resources as well as e-learning can help teachers in the classroom and while improving the quality of teaching, make students eager to learn.

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