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INTERNATIONAL SCIENTIFIC
ONLINE CONFERENCE

INNOVATIVE DEVELOPMENTS AND RESEARCH IN EDUCATION



**23 NOVEMBER
2024 YEAR**

CANADA, OTTAWA

A photograph of the Ottawa skyline, featuring the CN Tower and several modern high-rise buildings along the waterfront. The water is visible in the foreground with a small boat.



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RESEARCH IN EDUCATION**
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CERTIFICATE

of conference participant

Nargiza Abdusamatovna Fuzaylova

for participation in the scientific-online conference
<<INNOVATIVE DEVELOPMENTS AND RESEARCH
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**USE TECHNOLOGY IN MATERIAL DESIGN,
LESSON PROCEDURES, AND ASSESSMENT**



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USE TECHNOLOGY IN MATERIAL DESIGN, LESSON PROCEDURES, AND ASSESSMENT

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Abstract: *The article explores how integrating technology in the classroom might change instruction, paying specific attention to how materials are designed, how lessons are taught, and how assessments are conducted. Teachers can meet the varied learning needs of students in the digital age by developing dynamic classes, using effective assessment techniques, and producing engaging learning materials by investigating the use of technology tools and resources. Through the creative application of technological tools and resources, educators can improve the quality of teaching and learning, promoting efficiency, engagement, and personalization in academic environments. In the modern digital environment, the paper emphasizes how technology integration can improve student achievements and meet their varied requirements in a revolutionary way.*

Key words: *Technology integration, material design, lesson procedures, assessment strategies, educational technology, digital learning resources, multimedia elements, interactive learning.*

INTRODUCTION

Traditional teaching methods have been transformed by the use of technology in education, which presents a plethora of options to improve lesson delivery, material design, and evaluation techniques. In order to address the varied demands of students in the digital age, this abstract explores the revolutionary impact of technology on educational practices, emphasizing its role in optimizing lesson plans, evaluation techniques, and material design.

MAIN PART

Technology plays an important role in material design, lesson procedure, and assessment to enhance the teaching and learning process. Nowadays, technology is globalizing around the world in all spheres, and IT is essential to current society, which is marked by the growing internationalization of the private, public, and academic spheres. (Arno-Macia, E. 2012). As a language teacher, I always utilize different technology tools in my material design, lesson procedures, and assessment because they help make lessons meaningful and creative as the students want. As Kirovska-Simjanoska D. (2017) noted, because language learners can rapidly lose their interest and ambition, effective language teachers should be enthusiastic and inventive. So I chose some ways to use technology in these areas. I use digital resources such as e-books, online articles, videos, and educational websites in the material design of my lessons, and these sources can organize effective lessons; moreover, students are interested in



following the latest technology tools and are always attracted by them. All experienced teachers can achieve their goals by using different technology tools. In addition, creating multimedia presentations is a very interactive way of teaching, so I always create PowerPoint and Google Slides, and they include images, important information, videos, and audios. These multimedia elements are very gripping and useful for students to easily learn their field, especially foreign languages.

I also utilize interactive boards, online lessons and discussions, and Zoom classes in my lesson procedures. Smart boards are very useful tools to organize interactive lessons; they also make lessons more engaging and interactive for students. Online discussions can facilitate students ability to share opinions, ask questions of each other, debate, and provide feedback as well. According to Dogoriti E. et al. (2014), Online forums, wikis, and other web-based applications are an addition to the educational technology used to support a shared learning environment. Also, Zoom classes help to prevent time-consuming and wasteful spending.

Using technology is an effective way to assess, so I always use different online tools to assess my students. The important ones are online quizzes and tests like Google Forms, Kahoot, Quizzes, and Jeopardy Labs, which help create interesting quizzes and tests. These tools promote active engagement and teamwork by enabling real-time discussion, feedback, and revisions.

Conclusion: Technology integration signals a paradigm shift in education toward more dynamic and individualized learning experiences in lesson plans, material design, and assessment techniques. Through the effective use of technology, educators may establish inclusive and dynamic learning environments that meet the varied requirements of students in the twenty-first century. In addition to improving instructional effectiveness, thoughtful technology integration gives students the digital skills they need to succeed in a world where technology is pervasive.

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