

RESEARCH ARTICLE

Effective Teaching of Road Safety Rules to Small Group Students Through Modern Digital Technologies and Video Content

Jumayev Yunus Rashidovich

"Preschool Education Management" of the MTTDMQTMOI senior teacher, Uzbekistan

VOLUME: Vol.06 Issue05 2026

PAGE: 265-268

Copyright © 2026 European International Journal of Pedagogics, this is an open-access article distributed under the terms of the Creative Commons Attribution-Noncommercial-Share Alike 4.0 International License. Licensed under Creative Commons License a Creative Commons Attribution 4.0 International License.

Abstract

This article highlights the pedagogical importance of using modern digital technologies and video content in teaching traffic safety rules to small groups of preschool educational organizations. The study analyzes the age and psychological characteristics of children, the processes of information reception, and the impact of multimedia tools on educational effectiveness.

KEY WORDS

Preschool education, digital technologies, video content, road safety, interactive learning, media literacy, pedagogical effectiveness.

INTRODUCTION

Preschool age is the most important stage in the formation of a child as a person, it is during this period that his initial ideas about the environment, social skills and safety culture are formed. From this point of view, teaching children road safety rules from an early age is of great importance. Because road accidents are one of the factors that pose a serious threat to the life and health of children worldwide. Modern digital technologies, in particular multimedia tools, animated videos and interactive programs, allow for a more effective organization of the educational process. Through these tools, children acquire knowledge not only through hearing and seeing, but also through active participation. Video content plays an important role in shaping children's concepts of safety, reflecting real-life situations in a vivid and understandable way. The priority areas are the creation of national content for children, their wide dissemination, the formation of a high-quality and safe information environment on digital platforms, and the upbringing of the younger generation in the spirit of national and universal values. [] The preschool period is the most important stage in the formation of a child as a person. It is during this period that

children develop the initial skills of understanding the environment, following safety rules, behaving in a social environment, and acting independently. Since young children do not yet have life experience, they cannot fully understand dangerous situations on the road. As a result, ignorance of the rules of vehicle movement, traffic light signals, or using pedestrian crossings can lead to various dangers. Therefore, teaching road safety rules in preschool educational organizations is an important component of the educational process. In the modern education system, the use of innovative pedagogical technologies, taking into account the age and psychological characteristics of children, is of particular importance. In particular, classes organized using digital technologies, multimedia tools, animated videos and interactive platforms allow children to effectively master knowledge. This is because preschool children have more visual-figurative thinking, and they perceive information faster through seeing, hearing and practical actions. In this regard, video content serves as an important didactic tool for attracting children's attention, conveying the topic in a simple and understandable way, and retaining it in long-term

memory. Especially young children (3-4 years old) are not yet fully formed psychologically and physiologically, they do not have the skills to correctly assess the risk, make quick decisions and act independently. Therefore, when teaching them traffic rules, simple explanatory methods are not enough, but it is necessary to use visual, interactive and emotionally effective means.

In today's information society, modern digital technologies are becoming an integral part of the education system. In particular, their use in preschool educational organizations is of great importance in improving the quality of the educational process, developing children's cognitive activity, and forming an effective pedagogical environment. Young children (3-4 years old) have predominantly visual-figurative thinking, and they perceive information faster through seeing and hearing. Therefore, multimedia tools, interactive programs, animations, and video content are fully consistent with the age characteristics of children. Information presented through modern technologies arouses strong interest in children and serves to consolidate knowledge. Modern digital technologies are an important pedagogical tool in the preschool education system, especially in teaching road safety rules. They activate the learning process of children, increase their interest and serve to form life skills. Therefore, the purposeful and systematic use of these technologies in the educational process is one of the main tasks of a modern educator.

In the modern education system, video content is recognized as one of the most effective didactic tools. Especially for preschool children, teaching through video materials is fully consistent with their age and psychological characteristics. Since small group students learn faster through visual and auditory means, video content significantly facilitates the process of their perception and assimilation of knowledge.

video content include:

➤ **Provides visual appeal** - Video materials present topics in a lively and realistic way. For example, when the rules for crossing the road are explained through animated videos, children can clearly visualize it.

➤ **High emotional impact** - Video content evokes positive emotions in children through colorful images, music, and sound effects. This attracts their attention and helps them absorb knowledge more deeply.

➤ **Increases Retention** - When visual and audio information is presented together, children retain information for a longer period of time. This helps reinforce important knowledge such as road safety.

➤ **Simplifies complex concepts** - Videos explain even complex situations in a simple and understandable way. For example, traffic or dangerous situations are shown in a child-friendly way.

➤ **Increases interest and motivation** - Activities organized through cartoons and animations arouse great interest in children, which increases their engagement in the learning process.

During the experiment, children in a small group were taught traffic safety rules in two different ways:

1. traditional method (through pictures and verbal explanation)
2. modern method (through video content and interactive tools)

The results showed the following:

- Children taught using video content had a higher level of understanding of the subject
- they remembered the rules faster
- skills for acting correctly in practical situations were better formed
- The level of interest in training has increased significantly

Based on the above concepts, the elements of road safety include: road users; vehicles on the road; road accidents; roads; modern standards of equipment

and compliance with requirements; Traffic Laws; risks; system of preventive procedures. It is considered one of the important elements of life safety, and its main goal is to protect the life and health of road users, reduce existing risks on the roads, and prevent traffic accidents. There are various measures, rules, and laws to achieve this goal.

The essence of road safety:

- ✓ Road safety is primarily aimed at protecting people's lives and health. Coordination of

traffic on the roads and minimizing risks ensure human protection;

✓ The technical condition, construction and performance characteristics of each vehicle have a direct impact on safety. This, in turn, helps ensure road safety;

✓ are social norms that determine the order of traffic on the road and ensure safety. They require road users (vehicle drivers, pedestrians, cyclists, etc.) to comply with the laws;

✓ The quality of roads, signs, indicators, infrastructure elements such as tunnels and bridges are important in ensuring safety;

✓ The type of each road and its capabilities determine the level of safety;

✓ It is important to educate the population, explain the rules, and conduct safety campaigns.

Also, according to observations conducted by educators, children participated more actively in classes that used video content, were more likely to answer questions, and were more likely to think independently. Modern digital technologies and video content are of great importance as innovative pedagogical tools in the preschool education system. Through them, children develop not only theoretical knowledge, but also life skills. Video content is especially effective in teaching road safety rules.

Teaching traffic safety rules to small groups of students through modern digital technologies and video content has a significant positive impact not only on the children, but also on the activities of educators. This approach is of great importance in improving the pedagogical process, increasing the effectiveness of the lesson, and developing the professional competencies of the educator.

✚ **First of all**, modern technologies **expand the possibilities of the educator for effective planning and organization of lessons** . Multimedia tools, animated videos and interactive materials make it easier to enrich the content and organize classes systematically. This saves time and increases the quality of the lesson.

✚ **Secondly**, this approach **develops the digital competence of the educator** . In the process of working with modern technologies, the educator learns new programs, masters the effective use of

media tools, and implements innovative methods. As a result, his professional skills increase.

✚ **Third**, the use of video content **allows the educator to convey complex topics in a simple and understandable way** . For example, explaining traffic rules through animated videos instead of a simple explanation enhances the pedagogical effect and facilitates the explanation process.

✚ **Fourth**, modern technologies **activate the educator's communication with children** . Through interactive activities, children actively participate, answer questions, and participate in discussions. This strengthens pedagogical cooperation.

✚ **Fifth** , this approach **makes it easier for educators to monitor and evaluate learning outcomes** . Digital tools provide an opportunity to track children's knowledge levels, activity, and learning outcomes.

Modern digital technologies and video content are effective pedagogical tools for teaching road safety rules in preschool education. These tools play an important role in forming a safety culture in children, developing independent thinking, and developing practical skills.

Also, classes organized using multimedia and interactive technologies attract children's attention, increase their activity in the learning process, and ensure educational efficiency. Therefore, the widespread introduction of modern innovative technologies in preschool educational organizations and the development of digital competencies of teachers are one of the urgent tasks of today.

CONCLUSION

The conclusion is: modern digital technologies and video content have high pedagogical effectiveness in teaching traffic safety rules to small groups of preschool educational organizations. This approach is appropriate for the age and psychological characteristics of children and contributes to their quick, easy and lasting assimilation of knowledge. Visual presentation of real-life situations through video content is of great importance in forming safety concepts in children, developing correct behavioral skills, and preparing them for independent decision-making. At the same time, interactive and multimedia tools increase children's interest and make it

possible to organize the educational process more effectively.

The results obtained during the study confirmed that training organized using modern technologies produces higher results than traditional methods.

Thus, the systematic and purposeful use of modern digital technologies and video content in the preschool education system is an effective means of forming a culture of road safety in children. Therefore, the widespread introduction of innovative approaches in this area and increasing the digital literacy of educators remains an urgent task.

REFERENCES

- 1.** Resolution of the President of the Republic of Uzbekistan. "On measures to support the creation and popularization of national content intended for children." No. PQ-183, 15.05.2025.
- 2.** Cabinet of Ministers of the Republic of Uzbekistan. Resolution "On improving the preschool education system", No. 802. – Tashkent, 2019.
- 3.** Law of the Republic of Uzbekistan "On Road Safety". – Tashkent.
- 4.** Abdulkodirov AA Information technologies in education . – Tashkent: Fan, 2018.
- 5.** Tolipov O., Usmonboyeva M. Theory and practice of pedagogical technologies . – Tashkent: O'qituvati, 2017.
- 6.** Ishmuhamedov R., Abdulkodirov A. Innovative pedagogical technologies . – Tashkent, 2019.