The education system in Azerbaijan is undergoing a process of digital transformation focused on improving teaching quality, expanding access to digital resources, and supporting modern pedagogical practices. As part of this transformation, a custom Copilot Agent built using Microsoft Copilot Studio has been integrated into the Digital School platform, providing educators with AI-assisted tools to support lesson preparation, instructional planning, and the development of educational materials.

Digital School Platform and the Microsoft Ecosystem

The Digital School platform serves as a unified digital environment supporting teaching, learning, and school management processes across Azerbaijan's general education system. It provides teachers with a professional workspace where they can plan lessons, assign and assess student work, monitor attendance and academic progress, manage classroom activities, and communicate with parents and students.

Teachers registered on the platform also receive access to a personal digital workspace based on the Microsoft 365 services, which complement the platform's core functions with cloud-based productivity and collaboration tools. These tools enable educators to create and manage educational materials, organize data, and collaborate with colleagues within a secure digital environment.

Within this ecosystem, teachers use applications such as OneDrive, Outlook, Teams, Word, Excel, and Forms to store materials, communicate, collaborate, and prepare instructional content. The custom Copilot agent – embedded directly in the Digital School platform – supports educators by helping them draft lesson plans and teaching materials, summarize reference resources, outline presentations, and generate initial versions of assessments and rubrics.

Objectives of the Project

The primary objective of the project is to support teachers in effectively integrating AI-assisted tools into teaching and learning processes. The initiative aims to:

- Improve teachers' productivity and time management
- Enhance lesson planning and content creation
- Promote digital transformation in education
- Strengthen teachers' digital competencies
- Encourage innovation in classroom practices

Currently, the Digital School platform is used by over 900,000 users, including 44,552

teachers, 543,255 students, and 360,709 parents.

The Role of the Copilot Agent in Teaching and Learning

The integration of the custom Copilot agent built using Microsoft Copilot Studio introduces an AI-assisted capability that supports educators across multiple stages of instructional design, including lesson planning, material development, and information synthesis. Through the Digital School platform, educators can use the agent to:

- Generate structured lesson plans and teaching materials
- Develop worksheets, quizzes, and classroom assignments
- Summarize academic texts and educational resources
- Draft presentations and lesson outlines
- Receive suggestions for instructional strategies and classroom activities

The Copilot agent operates within familiar Microsoft 365 applications already used by teacher which makes it easy and fast for teachers to use it.

“As AI becomes part of everyday teaching, it is essential that it supports educators and builds trust with students and families. In Azerbaijan, the integration of a custom Copilot agent, built using Microsoft Copilot Studio, into the Digital School platform shows how AI can be embedded responsibly at a national level. By prioritizing security, compliance, and alignment with national education standards, Microsoft is working alongside the education system to ensure AI strengthens teaching quality and long-term professional development.” - Gabriela Popescu, Country Manager for Romania, Moldova, Caucasus and Central Asia, Microsoft.

Supporting Innovative Pedagogical Practices

The integration of AI-driven tools such as custom Copilot agent, built using Microsoft Copilot Studio, contributes to the modernization of teaching methodologies. By automating preparatory and administrative tasks, teachers can dedicate more time to student-centered learning, interactive instruction, and individualized support.

The agent also encourages educators to experiment with new approaches to lesson design, information presentation, and educational resource development, supporting innovative teaching practices aligned with modern digital learning environments.

“As education systems move toward AI enabled teaching, it is essential to act responsibly. By embedding AI into trusted tools teachers already use, the custom Copilot agent, built using Microsoft Copilot Studio, helps reduce routine preparation and administrative work, enabling educators to focus on high quality student engagement and individualized learning – while maintaining strong standards for data protection and privacy.” - Lenka Axlerova, Education Lead for Central Europe and Central Asia at Microsoft.

Localized AI Adaptation for the Azerbaijani Education System

The Copilot agent integrated into the Digital School platform was configured to support classroom workflows in Azerbaijan’s general education context. It supports the preparation of lesson plans, worksheets, assessments, rubrics, and professional communication drafts.

For curriculum-related requests, the agent can be configured with reference materials reflecting Azerbaijan’s national curriculum framework and guidance content used in the school system. This approach helps improve relevance for teachers while ensuring that classroom materials remain teacher-reviewed and aligned with local pedagogical expectations.

Contribution to the Development of Digital Education in Azerbaijan

The integration of a Copilot agent within the Digital School platform represents an important step in Azerbaijan’s broader education digitalization strategy. By combining AI-assisted capabilities with established productivity tools, the platform provides educators with enhanced digital support that can strengthen teaching effectiveness and professional development.

As artificial intelligence technologies continue to evolve, tools such as Copilot agents and secure AI chat experiences can play an increasingly important role in education – supporting educators with drafting, summarization, and content preparation while keeping humans accountable and in control.