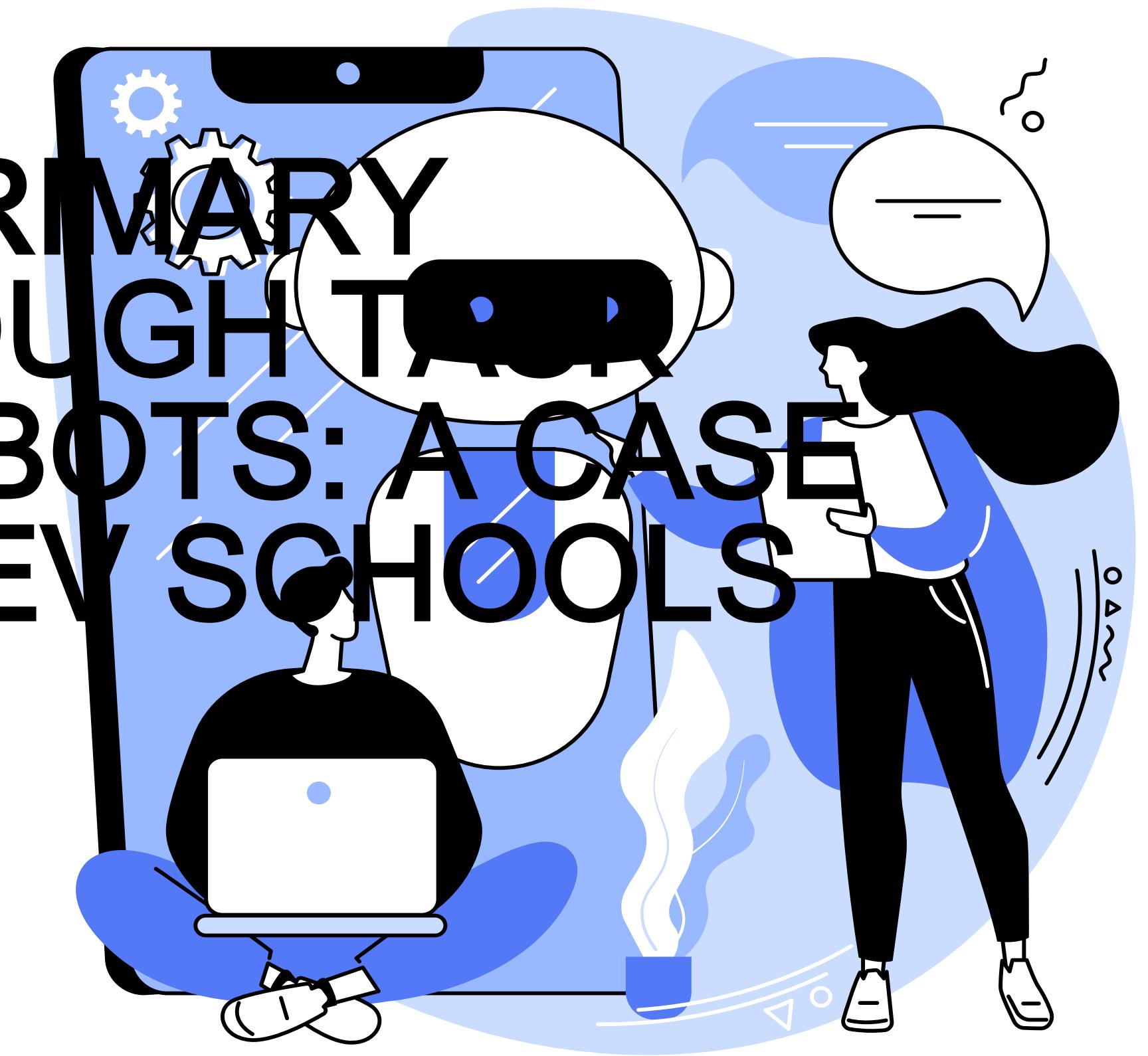


# EMPOWERING PRIMARY STUDENTS THROUGH TRACKING CHATBOTS: A CASE STUDY FROM ALEV SCHOOLS

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# OUR AMAZING TEAM



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IT Coordinator



SAMET USTA  
IT Specialist



BÜŞRA SARIÇAYIR  
Computer Science  
Educator

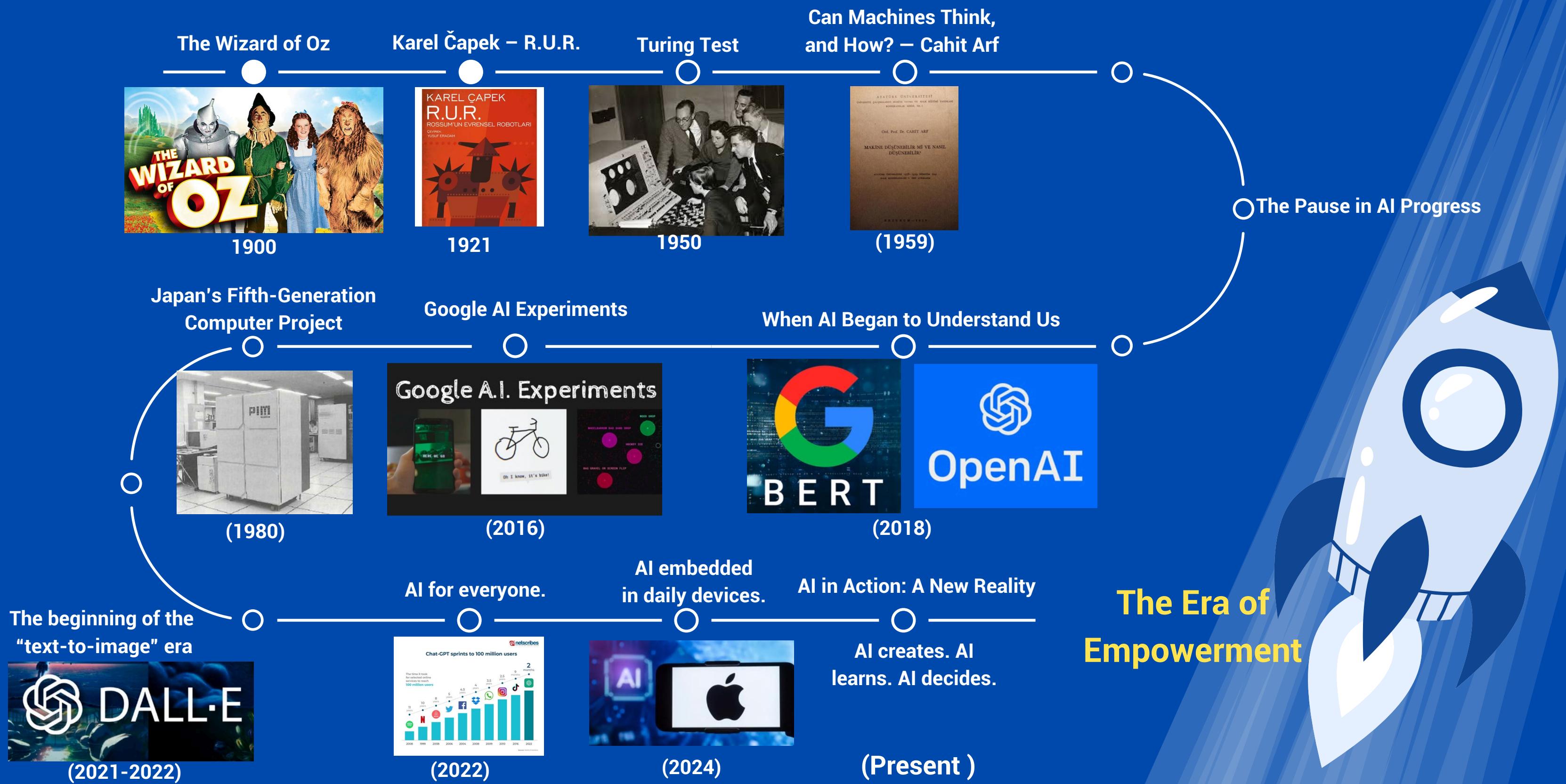
Collaboration is the heart of innovation.



When we talk about AI in education,  
we often imagine the future.

Flying robots, smart classrooms,  
personalized learning...  
But before we imagine what's next,  
we need to understand how it all  
began.

# How It All Started: The Hidden AI Around Us



AI was once imagination, then research, and now, it's in our daily learning.

# Present

Eye On America

## Inside the \$40,000 a year school where AI shapes every lesson, without teachers

By [Janet Shamlian](#)

October 2, 2025 / 9:15 PM EDT / CBS News

Austin, Texas — Fourth and fifth graders at Alpha School in Austin, Texas, aren't just learning — they're pioneers on the frontier. Every click and every keystroke is intelligence.

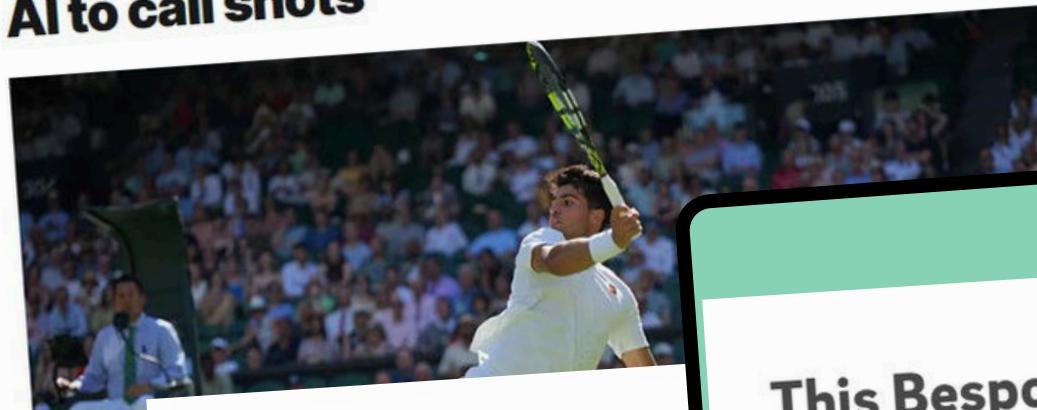
## THE ECONOMIC TIMES

### Meet Radhika Subramaniam, India's influencer who speaks Tamil and English and is always on a holiday break

A media company has created a travel influencer who never needs a passport, never takes a break — and yet is always on one. Collective Artists Network has introduced [Radhika Subramaniam](#), a bilingual AI-generated personality who speaks both Tamil and English.

euro news.

### Wimbledon breaks with tradition, replacing sharply dressed line judges with AI to call shots



By [Pascale Davies](#)

Published on 01/07/2025 - 11:37 GMT+

euro news.

### This AI successfully applied to become an art student at a university in Vienna

By [Roselyne Min](#)

Published on 02/04/2025 - 12:08 GMT+2 • Updated 03/04/2025 - 9:00 GMT+2

Amid growing interest in exploring artificial intelligence (AI) and its role in the arts, an AI as an official student in a world first. Critics, and get grades alongside its human peers.

## UC SAN DIEGO TODAY

### This Bespoke AI Tutor Helps Students Learn

UC San Diego researchers created an AI tutor that is trained on course-specific materials and trained never to just give students the answer to a problem

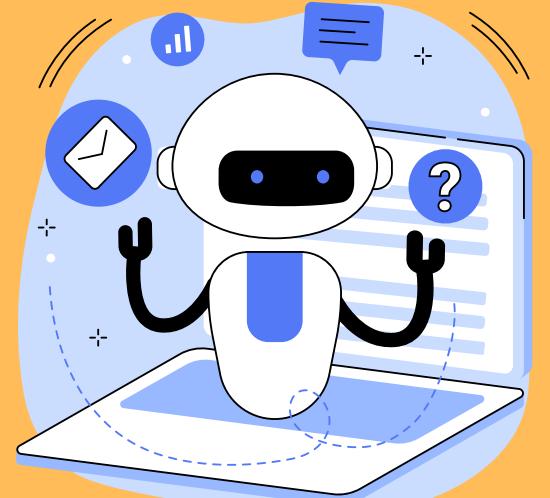
The researchers note that their goal is to augment the support provided by professors and TAs, not replace them. One advantage, for example, is that the AI tutor is available 24/7, while human tutors are not. The platform is open source, allowing faculty members to train the tutor for specific courses and related materials.

AI was once imagination, then research, and now, it's in our daily

# the era of empowerment

## CONTENT

AI once shaped what we watched



## HABITS

Now it shapes how we learn.



\*From daily habits to classroom innovations – AI empowers learning.

# The Need & Balance)

Uncontrolled  
AI Use

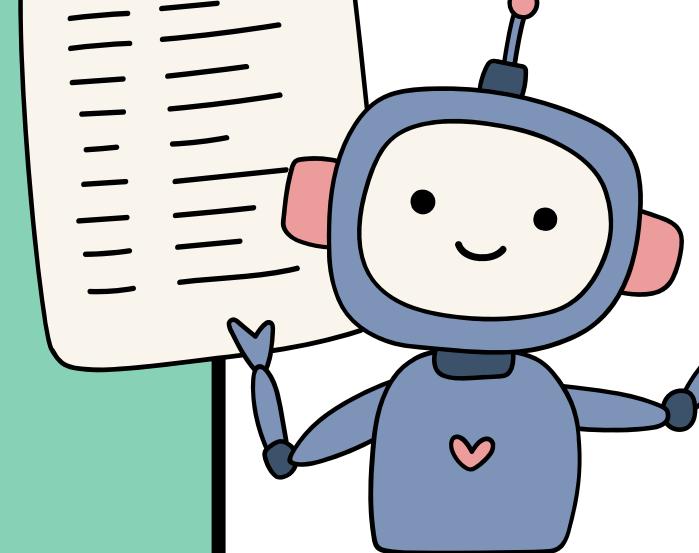


Risk of Skill Loss

Guided  
AI Use



Motivation &  
Empowerment



[Frontiers in Psychology \(2024\).](#) Using Generative AI (ChatGPT) for Learning: Impact on Cognitive Load, Learning Engagement, and Performance.

Finding Balance with Guided AI Use

# sparkle

## A School bot in the familiar environment

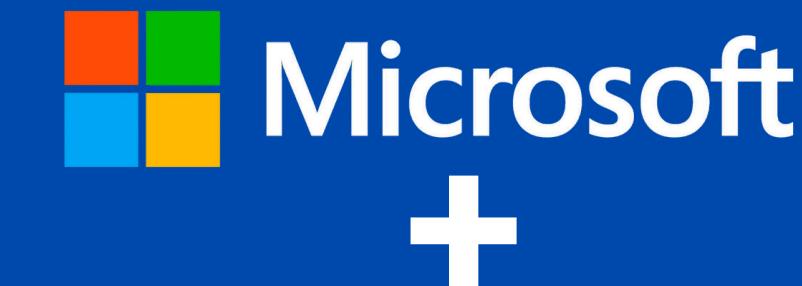
Safe. Smart. School-based AI for responsible learning.



**SPARKLE AI is a school-based generative AI assistant**



**Built with Microsoft Copilot Studio**

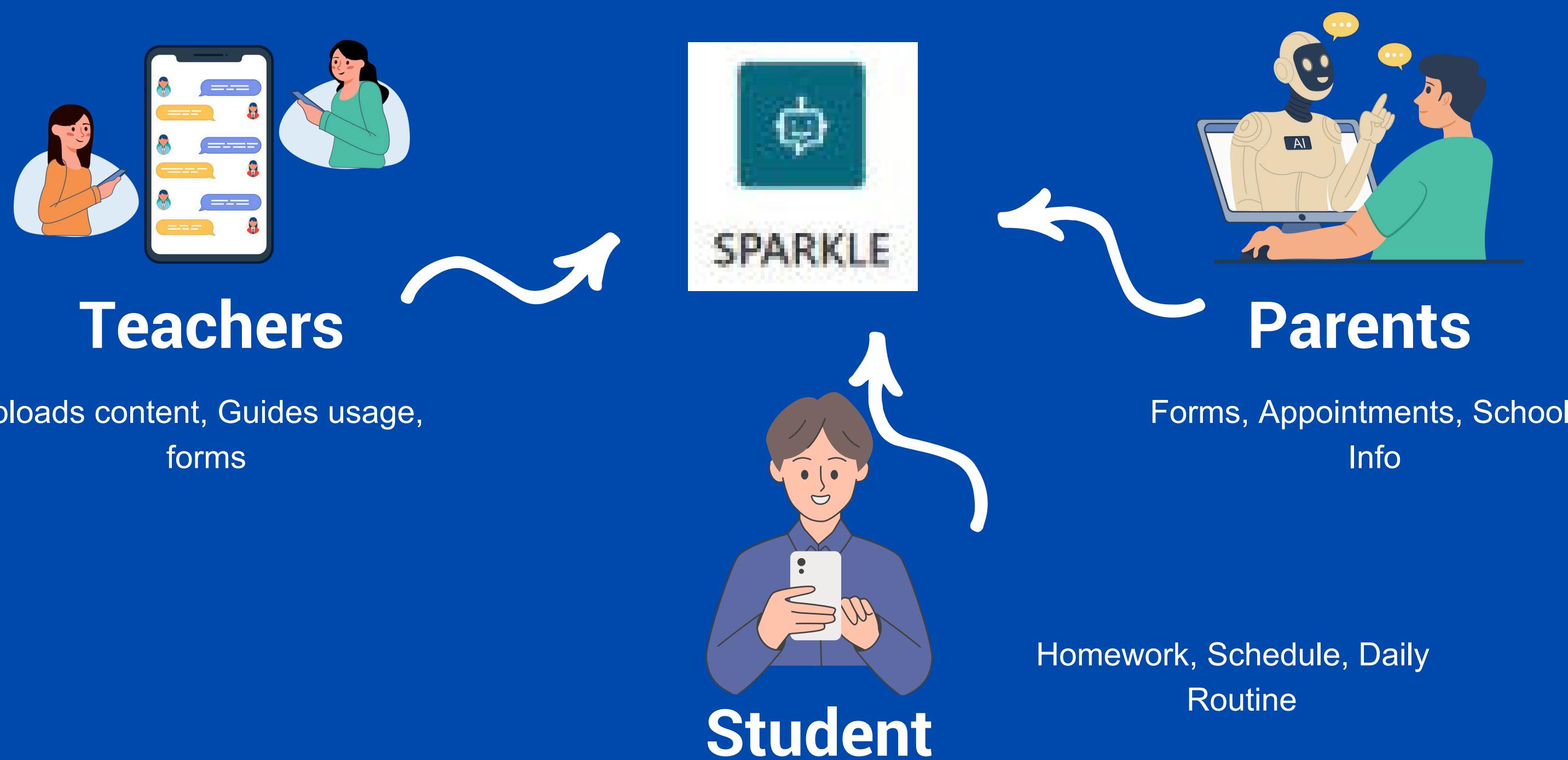


**Fully integrated into Microsoft Teams**

**\*It supports students and parents in managing their daily school life – from homework tracking to accessing resources – all within a safe and guided environment.**

# HOW IT WORKS

One bot, three roles —a shared digital school experience



# Sparkle in Microsoft Teams

SPARKLE

Sohbet Paylaşilan

Etkinlik 29

Sohbet 4

Takvim

Ödevler

Ekipler

Copilot

Insights

SPARKLE

Built using Microsoft Copilot Studio

Merhaba SPARKLE

Hangi dahili numaradan kime ulaşabilirim?

“Which internal number should I call?”

Okul İşleyiş

Okul kuralları, burslar ve okul ücretleri hakkında bana soru sor

Yemek Listeleri

Aylık yemek listelerine nasıl ulaşabilirim?

Forms & Documents

Parent–Teacher

Appointment

Platform Şifreleri

Platform şifrelerim konusunda nasıl bilgi alabilirim?

School Fees / Contact Info

Lunch Menu

Platform Passwords

İstemleri görüntüle

Bir ileti yazın

...

Uygulamalar

\*Example interface shown in Turkish. English labels added for international audience.

Runs directly inside Microsoft Teams —  
a platform students already use daily

# What Teachers Can Do with SPARKLE?

## Teachers can:

- Access ready-made classroom workflows (forms, guides, checklists)
- Save time on repetitive questions
- Support students with safe & structured digital information
- Manage school routines inside Microsoft Teams
- Get instant help for parent meetings, forms, and processes



SPARKLE Sohbet et Paylaşilan

SPARKLE 14:46

Hoşgeldin Merve Emiroğlu. Sana bugün nasıl yardımcı olabilirim?

SPARKLE Yapay zeka tarafından oluşturuldu 14:49

14:49

bir öğrencimin ailesi ile görüşüm kime bilgi vermemeliyim

Veliyle yaptığınız görüşme sonrasında aşağıdaki adımları izlemelisiniz:

- Görüşme sırasında "Veli Görüşme Formu"nu doldurun. Formun aslı sizde kalmalı, fotokopisini ise ilgili müdür yardımcısına iletmelisiniz.
- Ortaokulda iseniz, görüşme notlarını öğrenci takip sistemine de işleyebilirsiniz.
- Görüşme tutanaklarını karşılıklı olarak imzalayın, veli isterse fotokopisini verin ve öğrenci dosyasına ekleyin.
- Eğer görüşme davranışsal veya akademik olarak dikkat çeken bir durum içeriyorsa, beklemeden rehberlik servisi ve ilgili müdür yardımcıyla iletişime geçin.

Daha fazla bilgi veya form örneği isterken yardımçı olabilirim.

☞ Teacher asks a process question, SPARKLE provides step-by-step guidance + the correct form.

14:50

veli görüşme formunu bana iletir misin

SPARKLE 14:50

Veli Görüşme Formu: [Veli Görüşme Sonuç Bildirim Formu.docx](#)

İstemleri görüntüle

Bir ileti yazın

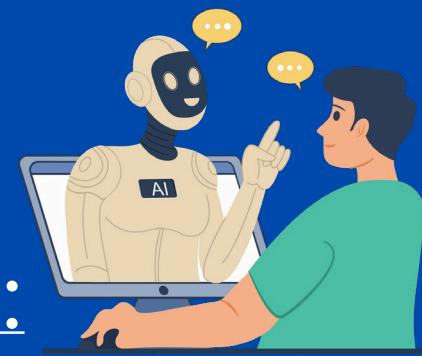
...

\*Example interface shown in Turkish. English labels added for international audience.

# What Parents Can Do with SPARKLE?

## Parents can:

- Access school forms and documents easily
- Book teacher appointments without navigating multiple menus
- Get quick answers about school fees, routines, and procedures
- Receive clear guidance in a familiar, safe Microsoft Teams environment.
- Access important phone numbers and schedules.

A screenshot of a Microsoft Teams chat window titled 'SPARKLE'. The interface is in Turkish. The top navigation bar includes 'SPARKLE', 'Sohbet et', and 'Paylaşılan'. The top right corner shows standard Microsoft Teams icons: a phone, a dropdown arrow, a search icon, a file icon, and an ellipsis. A message bubble from 'SPARKLE' at 23:40 says: 'Merhaba! Veli veya öğretmen görüşme randevusu almak istiyorsanız, sizi ilgili randevu sitesine yönlendireceğim.' Below it, another message from 'SPARKLE' at 23:41 provides a link: 'Lütfen randevu almak için aşağıdaki bağlantıyu kullanın: <https://alevyenisistem.azurewebsites.net/> Teams Genel Ekibiniz içinden üst tarafta bulunan "Randevu ve Ek Karne" alanını kullanabilirsiniz.' A user message at 23:41 asks: 'okul ücretleri ile ilgili bilgi alabilir miyim'. The AI responds at 23:41 with: 'Okul ücretleri hakkında bilgi almak için websitemizdeki bu sayfayı ziyaret edebilirsiniz. : <https://alev.k12.tr/OkulUcret>'. A red text overlay on the right side of the interface reads: 'Parents get answers instantly, easing communication and reducing repetitive questions for teachers.' The bottom of the window shows a message input field 'Bir ileti yazın' and various message formatting icons.

\*Example interface shown in Turkish. English labels added for international audience.

# What Students Can Do with SPARKLE?

## Students can:



- Access the daily lunch menu instantly
- View their weekly tasks and homework
- Find verified learning materials provided by teachers  
(Safe, school-approved content only.)
- Get quick answers to routine questions
- (“What should I do this week?”, “Where is the menu?”, etc.)
- Manage their school day more independently

A screenshot of the SPARKLE app interface within a Microsoft Teams chat window. The interface is in Turkish, with English labels added for clarity.

SPARKLE Sohbet et Paylaşilan

tarafından onaylanmaktadır. Güncel menülere Teams üzerinden veya yemekhane girişindeki ekranlardan ulaşabilirsiniz 1 2.

SPARKLE 00:05

kasım ayı yemek listesini atar misin

SPARKLE 00:05

Kasım ayı yemek listesine buraya tıklayarak ulaşabilirsiniz: [ALEV İLKÖĞRETİM KASIM 2025 İLKÖĞRETİM MENÜ.pdf](#)

SPARKLE 00:06

Başka nasıl yardımcı olabilirim ?

With Sparkle, students manage their daily school life—menus, schedules, tasks—**independently and safely**

00:06

bu hafta yapmam gereken görevler neler?

SPARKLE 00:06

Bu hafta dersleriniz ile ilgili ön hazırlık çalışmalarına buradan ulaşabilirsiniz. [251121 ASENKRON PLAN.xlsx](#)

SPARKLE yazıyor

Bir ileti yazın

İstemleri görüntüle

A ☺ ✎ 🎉 + ➔

\*Example interface shown in Turkish. English labels added for international audience.

# Limitations & Requirements

## 1 Technical & Operational Limitations

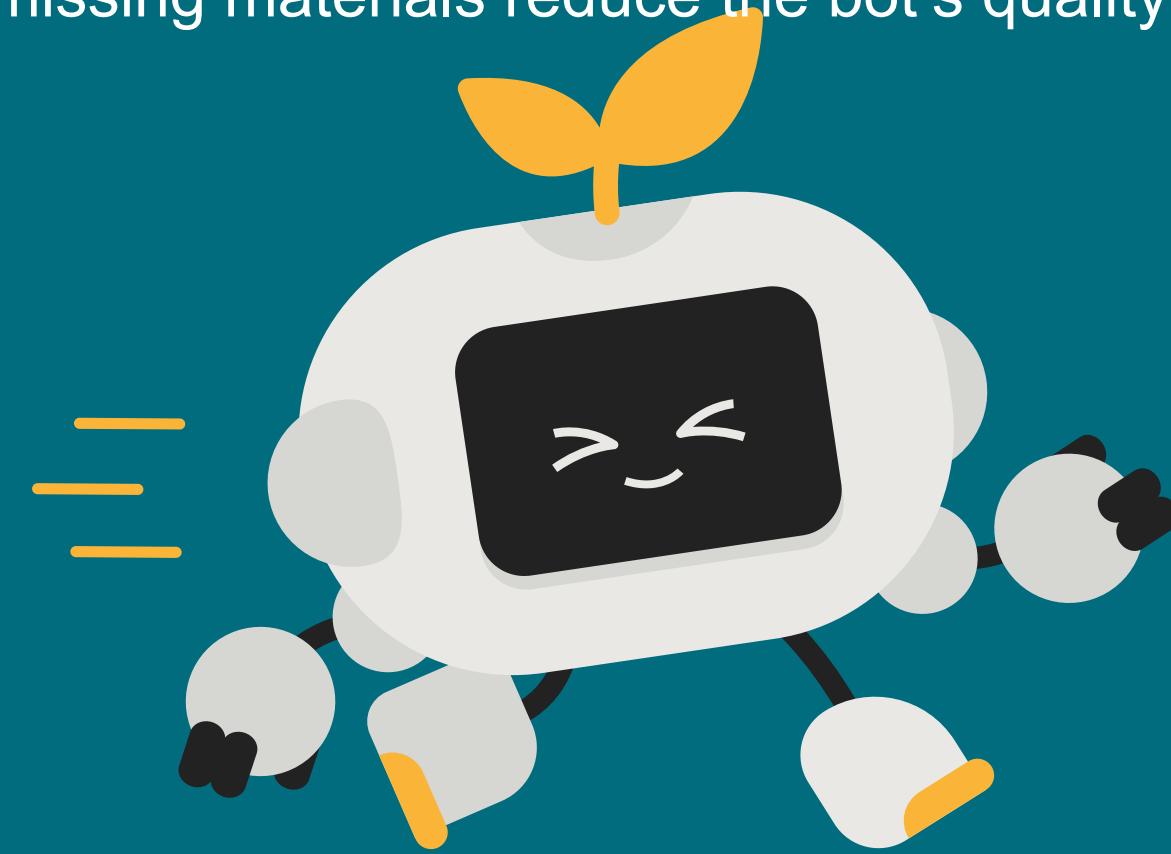
Basic Algorithmic Thinking Required

## 2 Microsoft Ecosystem Dependency

The system works entirely inside Microsoft services.

## 3 Content Management Responsibility

Outdated or missing materials reduce the bot's quality.



## 4 Copilot Licensing Requirement

Each user needs either a Copilot license or credit-based usage.

## 5 Prompt Quality

The bot performs best when users write clear questions.

## 6 Secure Setup Required

Admins must configure permissions carefully (SharePoint access, Teams permissions, bot publishing settings, etc.).

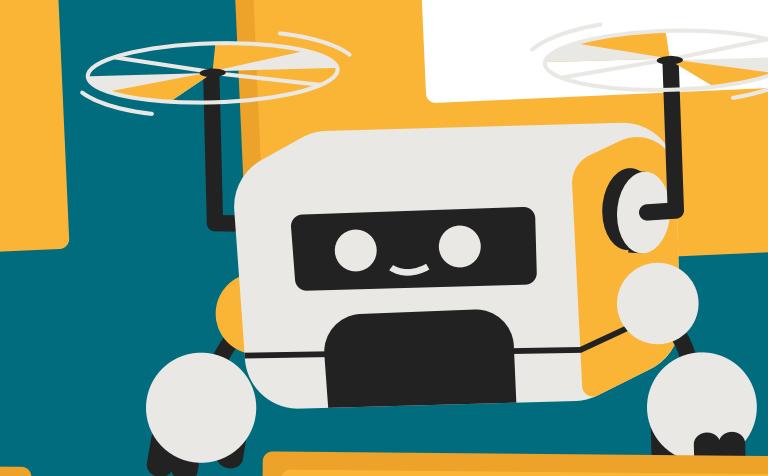
# Real Voices from Our School Community

## (Students, Parents, and Teachers on SPARKLE)



“It feels like I have a smart friend in Teams.”

Arya, 5th Grade Student



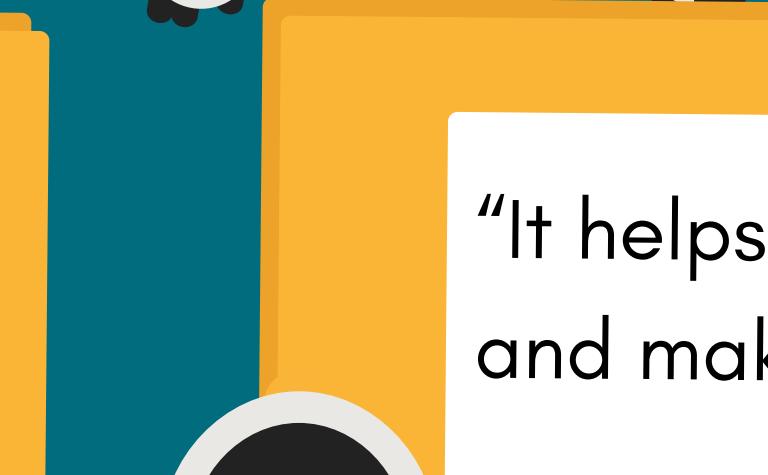
“This project is a milestone in our digital transformation.”

Lale Kara, School Principal



“It’s great to have one place for everything – forms, contacts, etc. I feel more connected to school life now.”

Aysun Isik, Parents



“It helps a lot with repeated questions and makes our guides easy to find.”

Bahar Kahraman, English Teacher



# Microsoft Education Success Story

Recognized for:

- Innovative use of Copilot Studio in primary education
- Responsible AI design for young learners
- Building an inclusive ecosystem for students, teachers, and parents
- From a classroom idea to an international example.



# THANK YOU!

*“We built a bridge where curiosity grows into learning, and learning, with the support of AI, transforms into empowerment.”*

*Merve Emiroglu  
Computer Science Educator*



# STAY CONNECTED

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 [Istanbul, Türkiye](#)