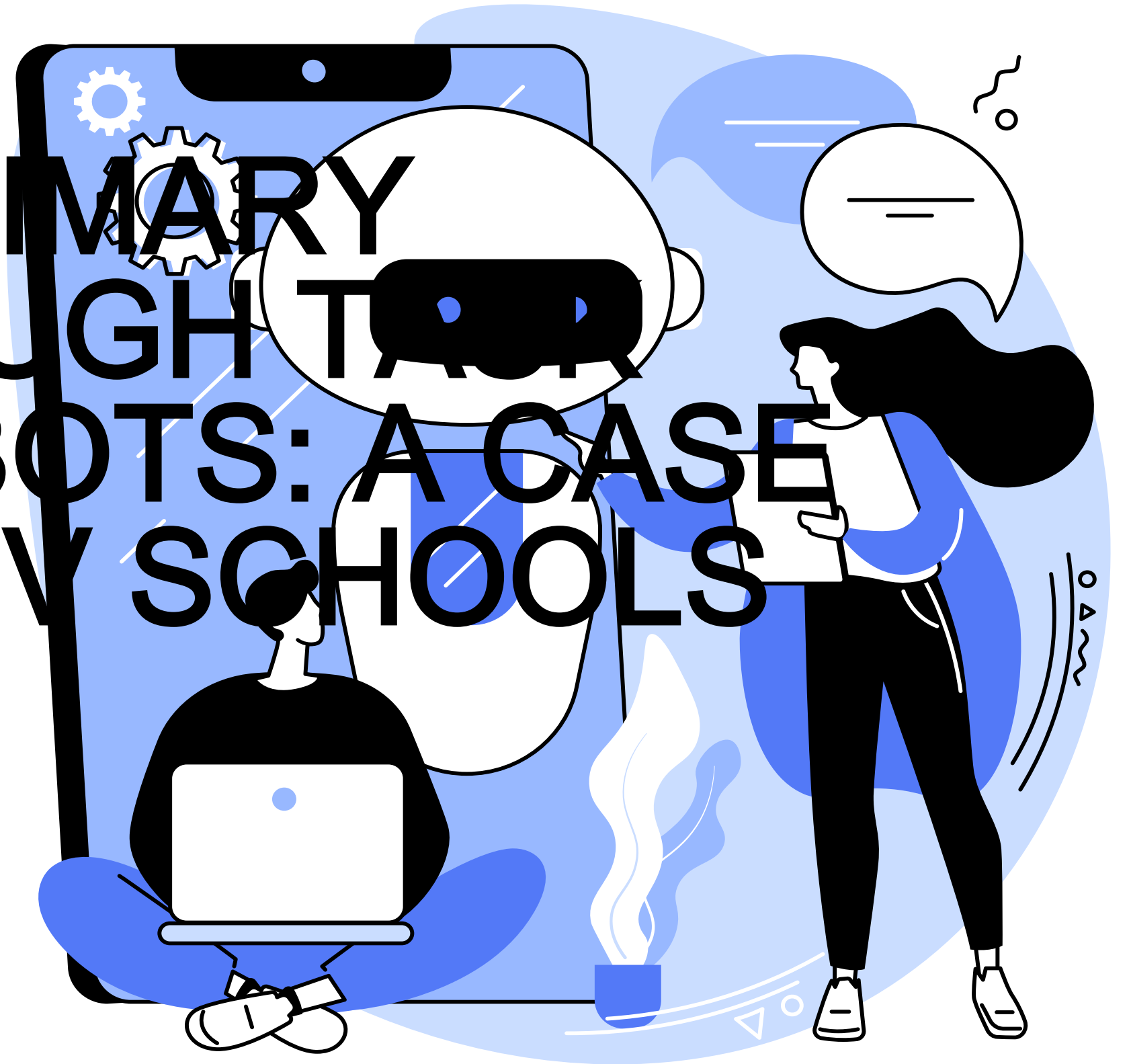


EMPOWERING PRIMARY STUDENTS THROUGH TRACKING CHATBOTS: A CASE STUDY FROM ALEV SCHOOLS

Merve Emiroglu

Computer Science Educator, Author

Private ALEV Schools



OUR AMAZING TEAM



MERVE EMIROGLU
Computer Science
Educator



YAVUZ ÖZATA
Computer Science
Educator



DENİZ CEBECİ
IT Coordinator



SAMET USTA
IT Specialist



BÜŞRA SARIÇAYIR
Computer Science
Educator

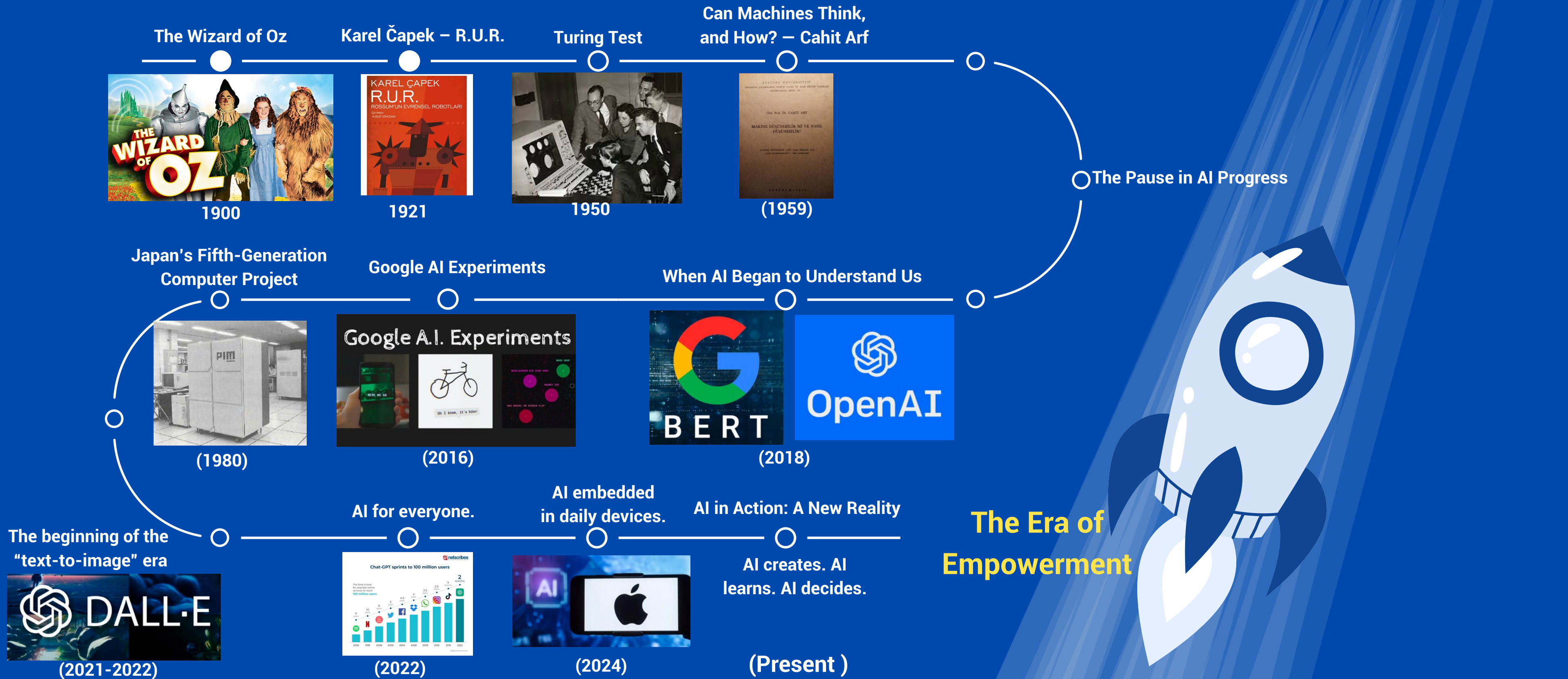
Collaboration is the heart of innovation.



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 pioneering a new frontier. Every click and every keystroke is powered by artificial intelligence.

euro news.

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

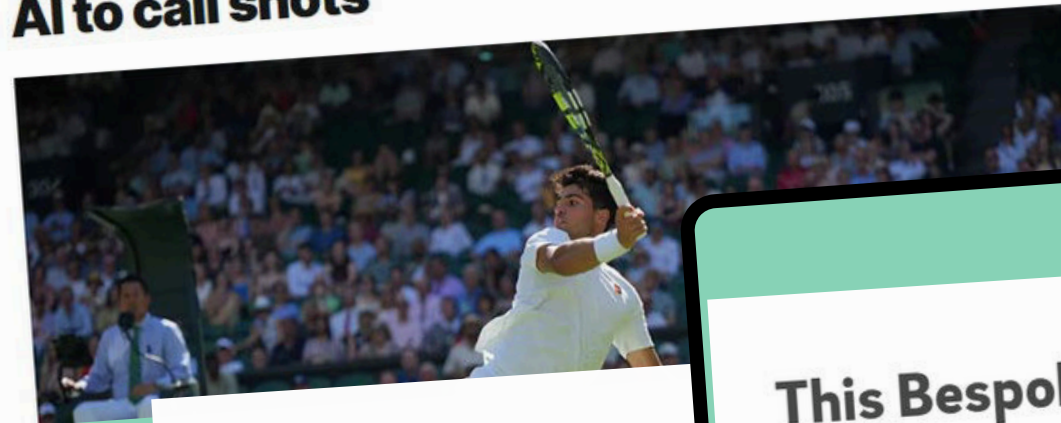
By Roselyne Min

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

Amidst a growing interest in [artificial intelligence \(AI\)](#) and its role in the arts, an AI has become an official student in a world first. The AI has submitted art critiques, and get grades alongside its human peers.

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+2

THE ECONOMIC TIMES

Meet Radhika Subramaniam, India's influencer who speaks Tamil and English, 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.

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

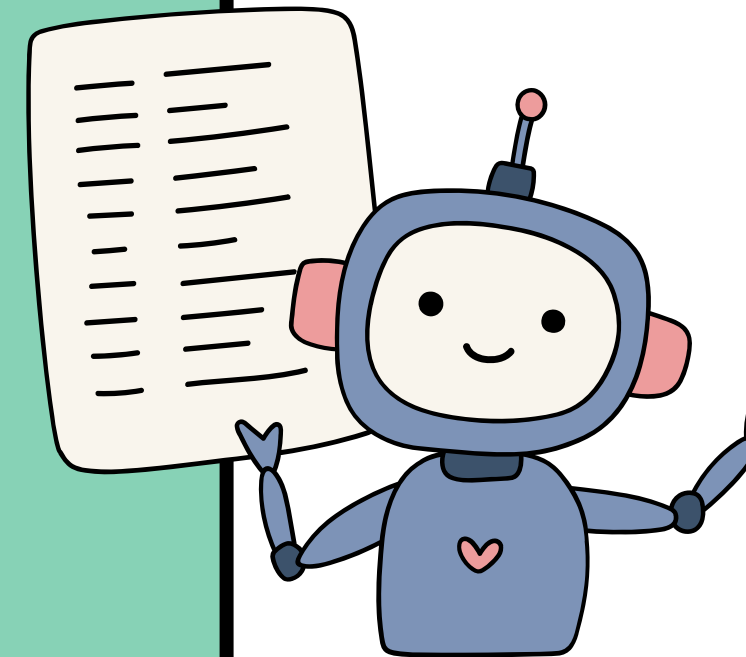


Risk of Skill Loss

Guided
AI Use



Motivation &
Empowerment



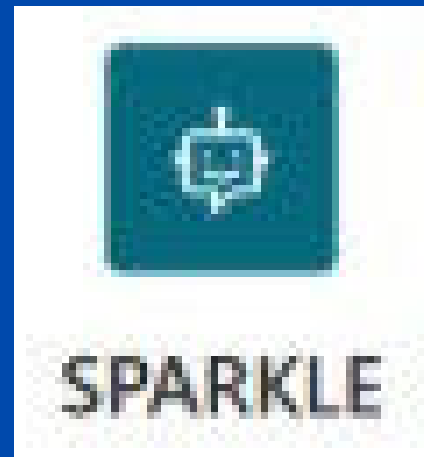
[Frontiers in Psychology \(2024\).](#) Using Generative AI (ChatGPT) for Learning: Impact on Cognitive Load, Learning Engagement, and Performance.

Finding Balance with Guided AI Use

sparkle

A School bot in the familiar enviroment

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.**

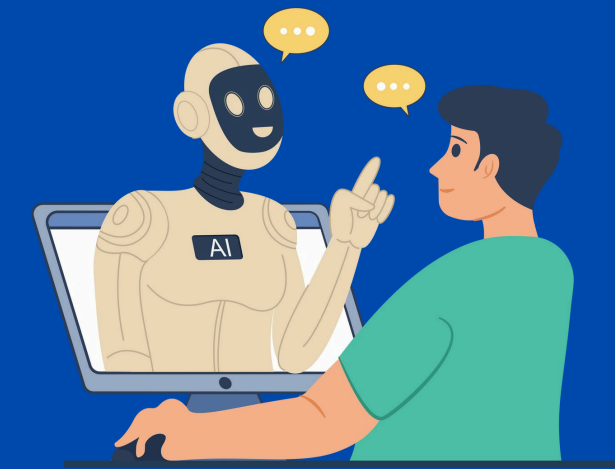
HOW IT WORKS

One bot, three roles —a shared digital school experience



Teachers

Uploads content, Guides usage, forms



Parents

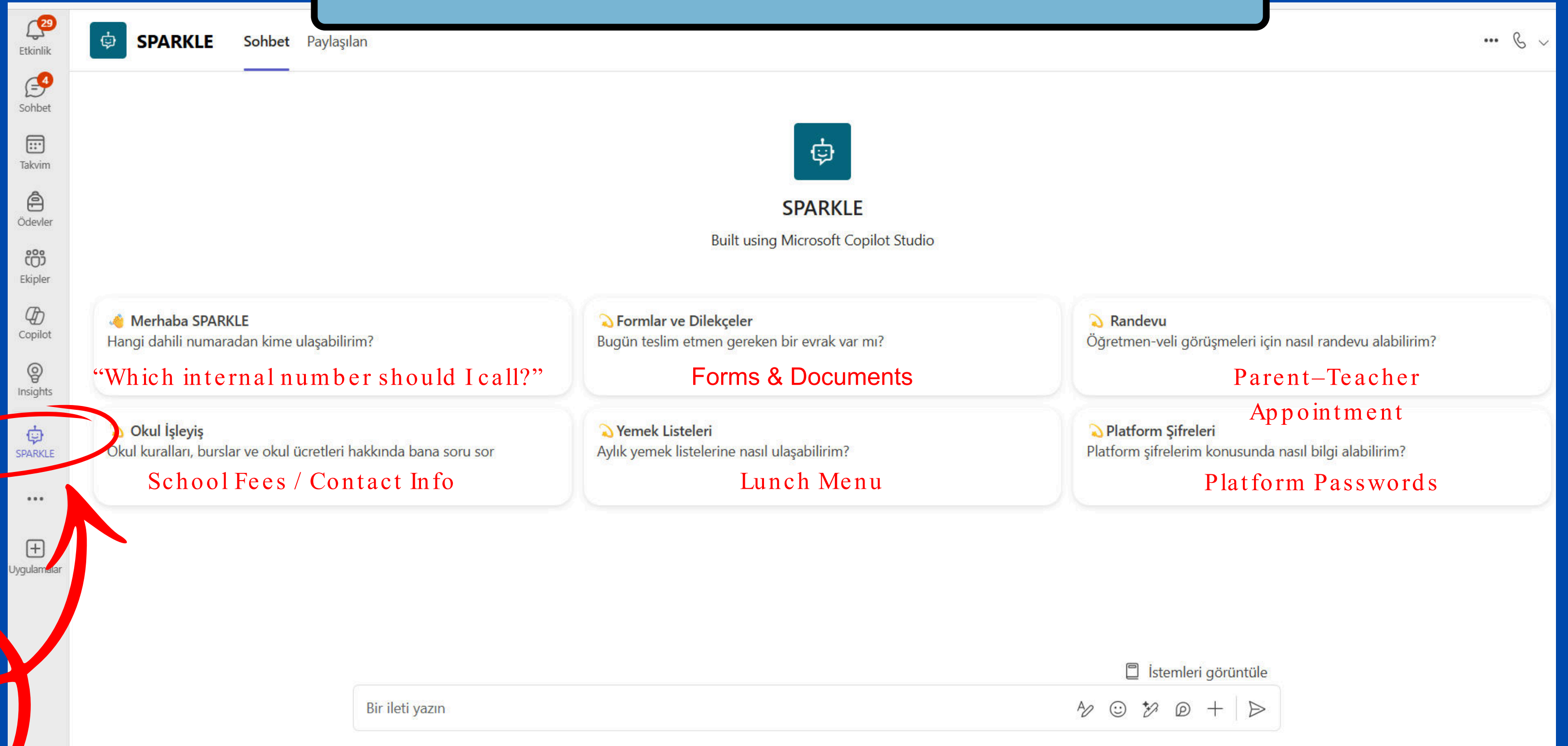
Forms, Appointments, School Info



Student

Homework, Schedule, Daily Routine

Sparkle in Microsoft Teams

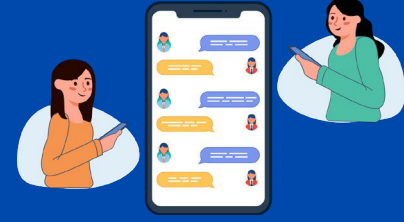


*Example interface shown in Turkish. English labels added for international audience.

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 14:46

Hoşgeldin Merve Emiroğlu. Sana bugün nasıl yardımcı olabilirim?

14:49

bir öğrencimin ailesi ile görüştüm kime bilgi vermeliyim

SPARKLE Yapay zeka tarafından oluşturuldu 14:49

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 yardımcısıyla iletişime geçin.

Daha fazla bilgi veya form örneği isterseniz yardımcı 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](#)

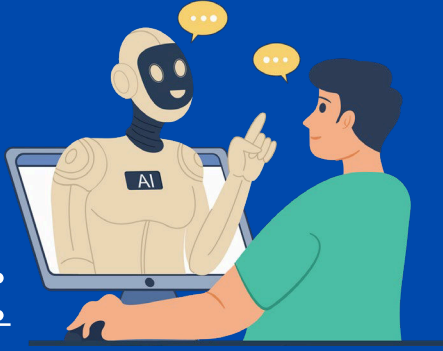
Bir ileti yazın

İstemleri görüntüle

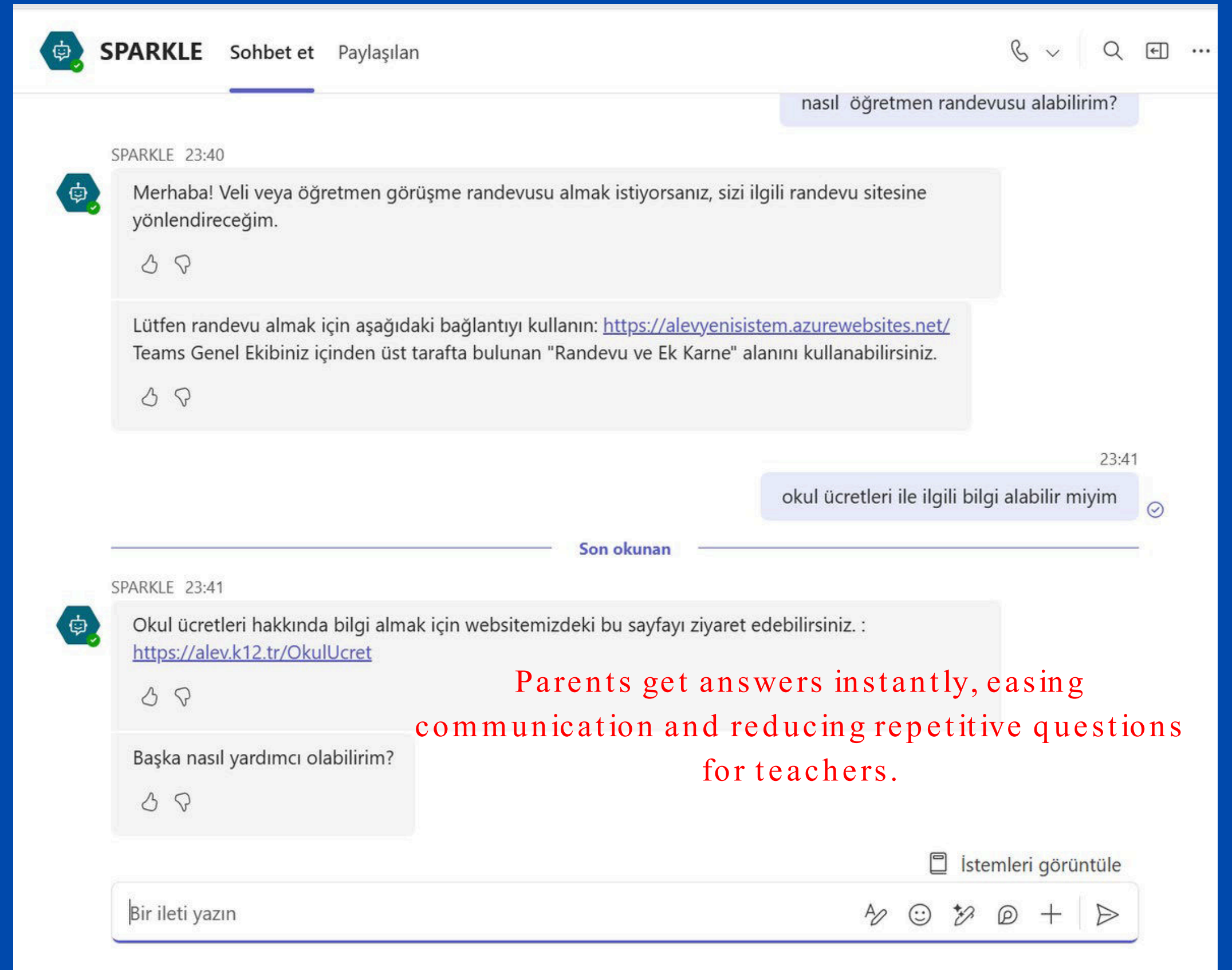
*Example interface shown in Turkish. English labels added for international audience.

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.



Parents get answers instantly, easing communication and reducing repetitive questions for teachers.

*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

SPARKLE Sohbet et Paylaşılan

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

00:05

kasım ayı yemek listesini atar mısın

SPARKLE 00:05

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

Başka nasıl yardımcı olabilirim ?

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

İstemleri görüntüle

Bir ileti yazın

*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

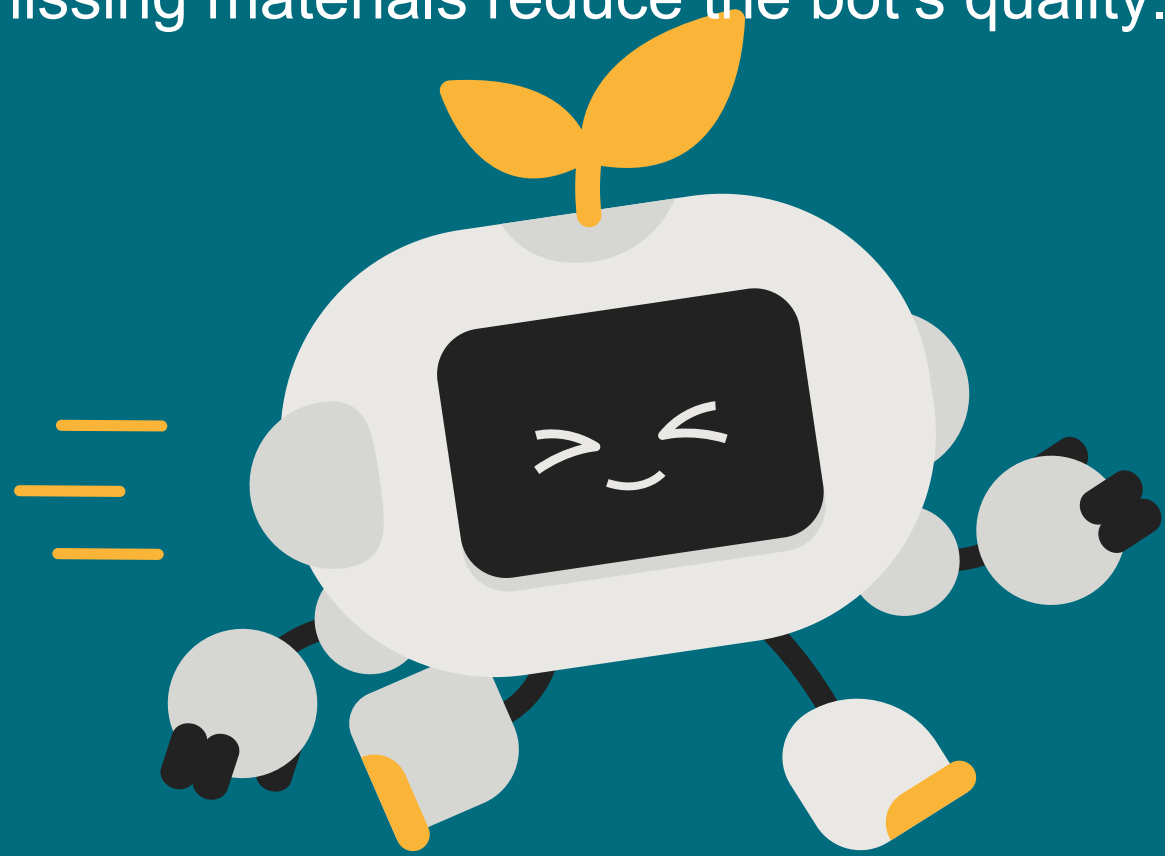
Each user needs either a Copilot license or credit-based usage.

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)

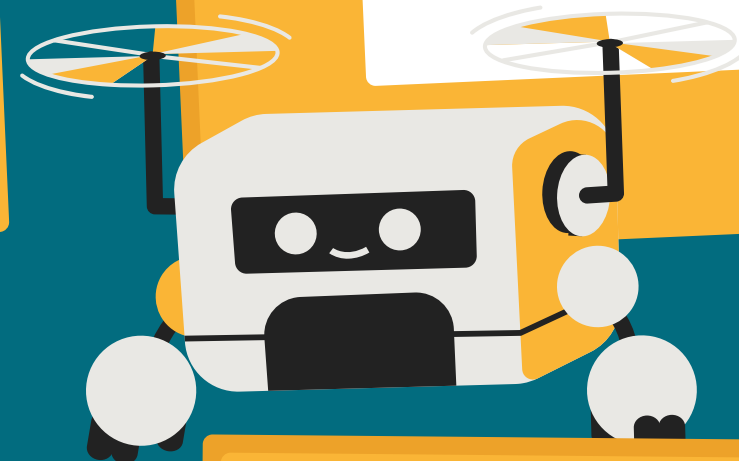
"It feels like I have a smart friend in Teams."

Arya, 5th Grade Student



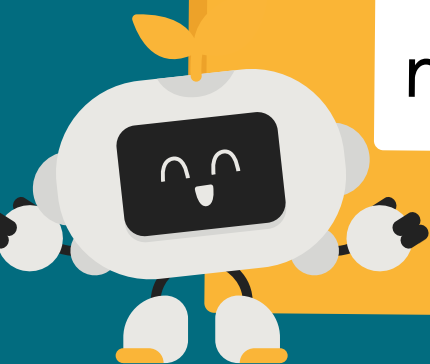
"This project is a milestone in our digital transformation."

Lale Kara, School Principal



"It's great to have one place for everything – forms, contacts, etc. 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 CONNE

 memiroglu@alev.k12.tr

 LinkedIn: merveemiroglu

 Istanbul, Türkiye