人工智能（AI）在教育领域的應用及新興趨勢的影響

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NetDragon Websoft Holdings Limited
網龍網絡控股有限公司

全球教育版圖

ARHT MEDIA **2016**

加拿大：提供世界級全息影像投影技術

ActivPanel Elements Series

Promethean **2015**

英國上市公司：提供國際化先進互動教育方案

NetDragon **1999**

中國福州：網龍總部

JUMPSTART™ **2017**

美國：為K12學童提供創新教育遊戲

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香港：香港主板上市 2008

(香港交易所股份代號：777)

cherrypicks 創奇思 **2014**

香港：加強AR及O2O技術

網龍香港教育科技發展策略

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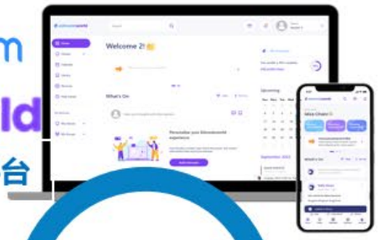
K-12 混合學習

zoom

edmodoworld

混合教學一站式平台



適合各科的出版社資源

Promethean

ActivPanel 教室互動觸屏

課後學習支援

ClassMo
Learning Is Better Together

師生課後延伸學習平台

K-12 學習平台

計算思維

<DAYDAYCODE>

擴增實境

101 AR

虛擬實境

VR創想+

AI Powered Applications

QuickTakes

AI教育解決方案 全面提升教學效率

Strictly Private and Confidential and For Internal Circulation Only.

Problems encountered in education today

43% college freshmen surveyed “felt overwhelmed” by schoolwork of & other commitments

Uneven playing field for non-native (or international) students attending lectures

Limited access to personalized resources and study materials

Teachers spend **20-24** hours, or roughly **half** their **weekly work hours**, on tasks other than teaching

Proliferation of technology that often adds to stress instead of reducing it

Inability to offer personalized resources for each student despite educator’s best efforts

Common Difficulties in EdTech

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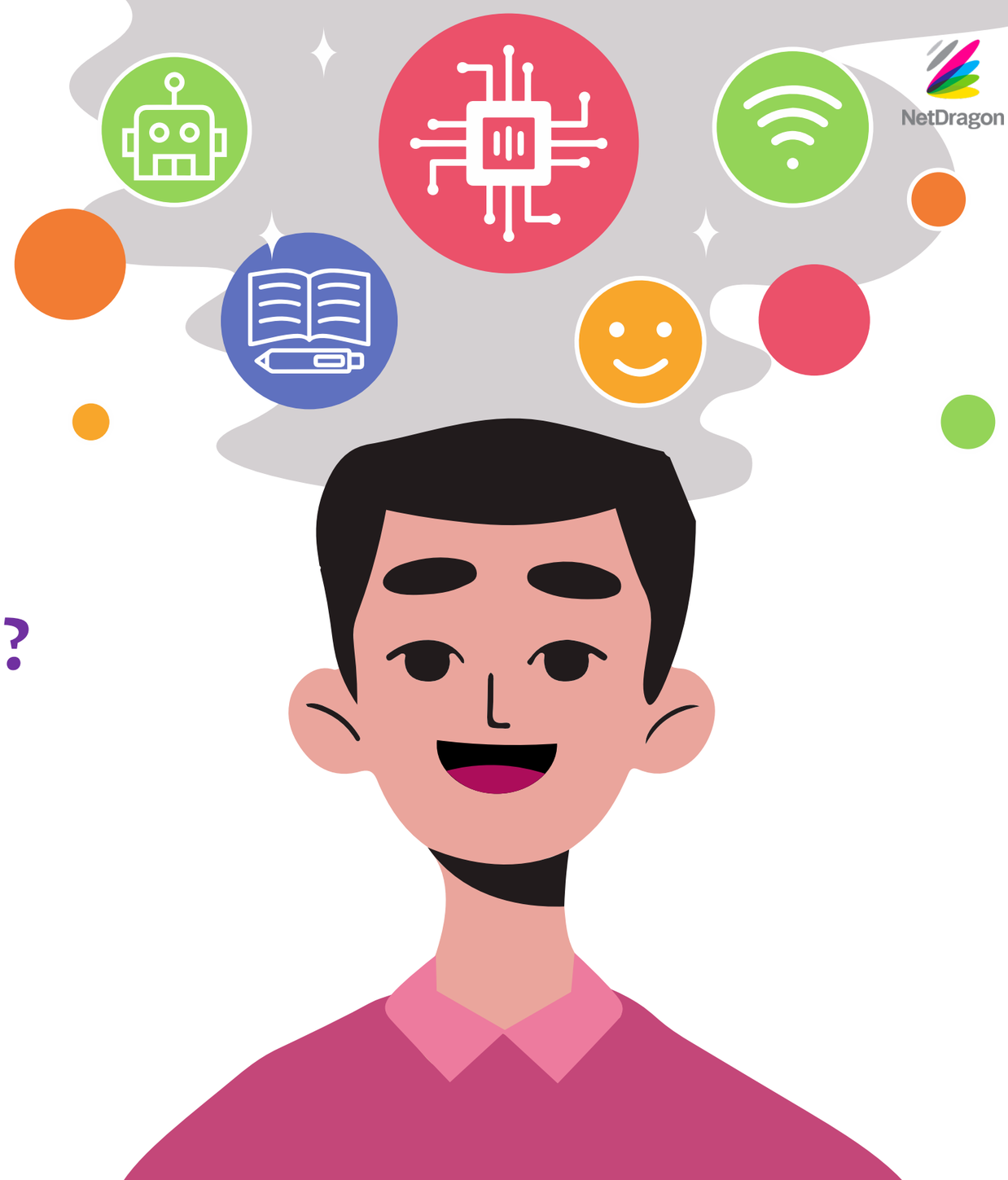
1. Access Infrastructure
2. Training and Professional Development
3. Technological Complexity
4. Cost and Sustainability
5. Data Privacy and Security
6. Pedagogical Integration

How about AI in Education?



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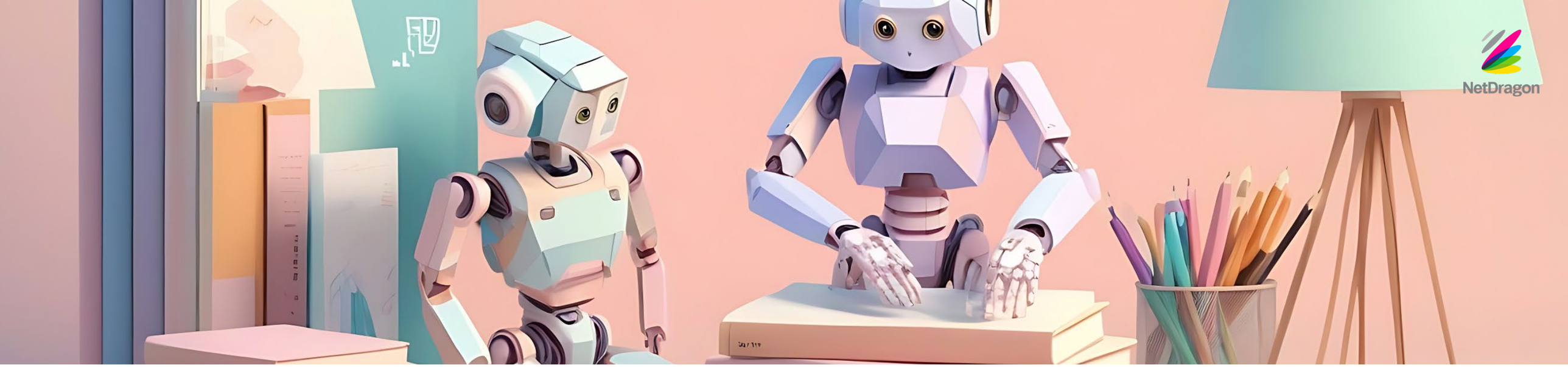
AI Overview: Applications and Integration

AI is being integrated into various tools and applications, including:

- Photo editing software like Adobe Photoshop pilot
- Productivity suites like Microsoft 365 Office CoPilot
- Development tools like GitHub CoPilot
- Search engines like Bing Chat AI



Emerging Trends in AI and Education

- AI software can work with other classroom technology & connected devices to improve learning outcomes
- Multiple AI systems (i.e. voice assistant + AI tutor) can collaborate to support personalized, adaptive learning
- Deep learning can analyze educational data to provide personalized recommendations and feedback.
- AI can be used to develop more effective lesson delivery and interventions by trained educators.

AI to bridge language gaps

- Non-native speakers may lave limited proficiency to understand class materials, and existing tools aren't designed for them.

- Traditional assessments and class environments may naturally put non-native speakers in a disadvantage

- AI-enabled tools may create learning resources that are customized for each learner, regardless of language proficiency

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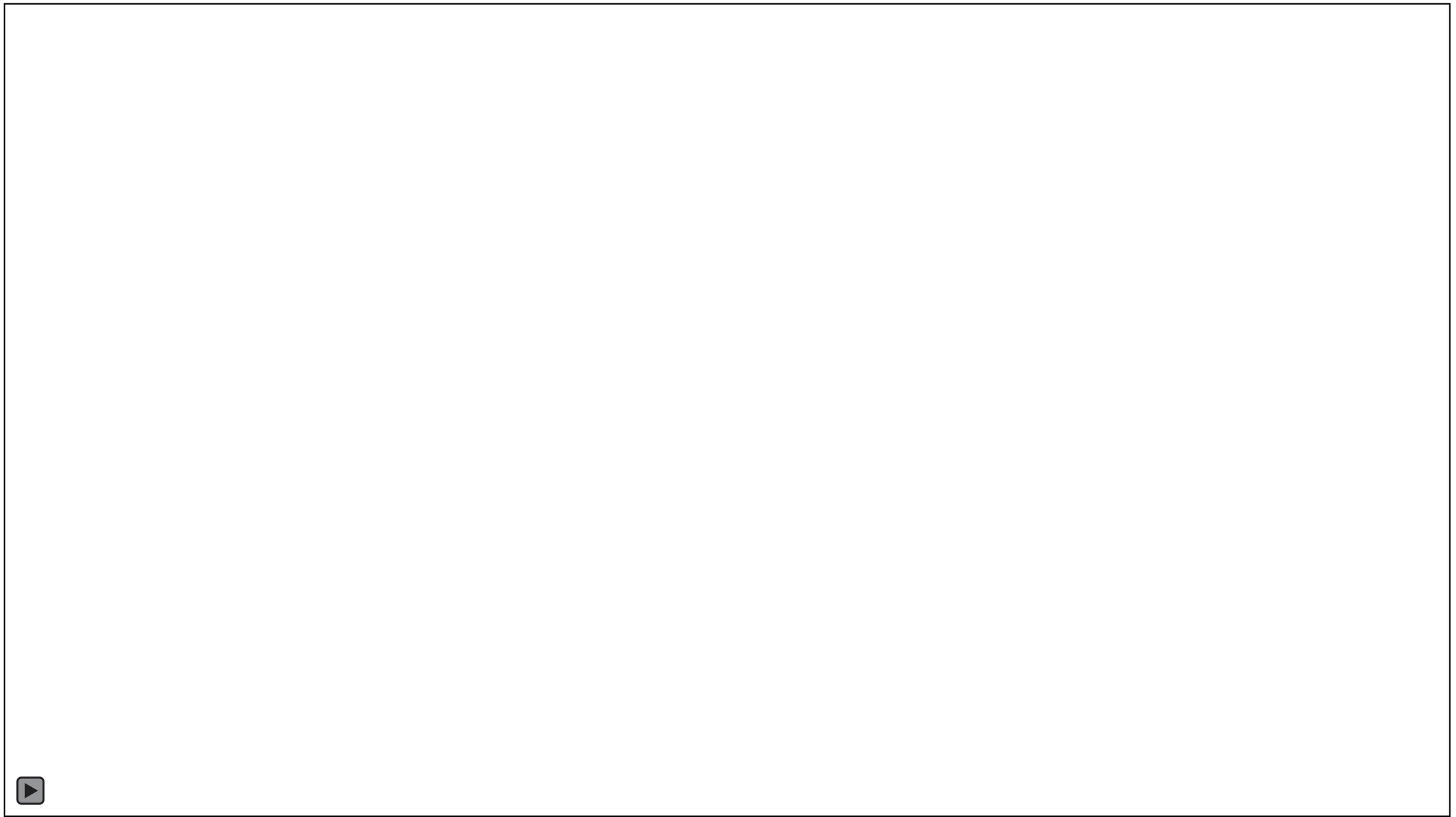
QuickTakes by edkey

your AI-powered notetaker and the strongest tool in your study arsenal.

QuickTakes Interface and Demonstration



QuickTakes to be easily adapted for educators

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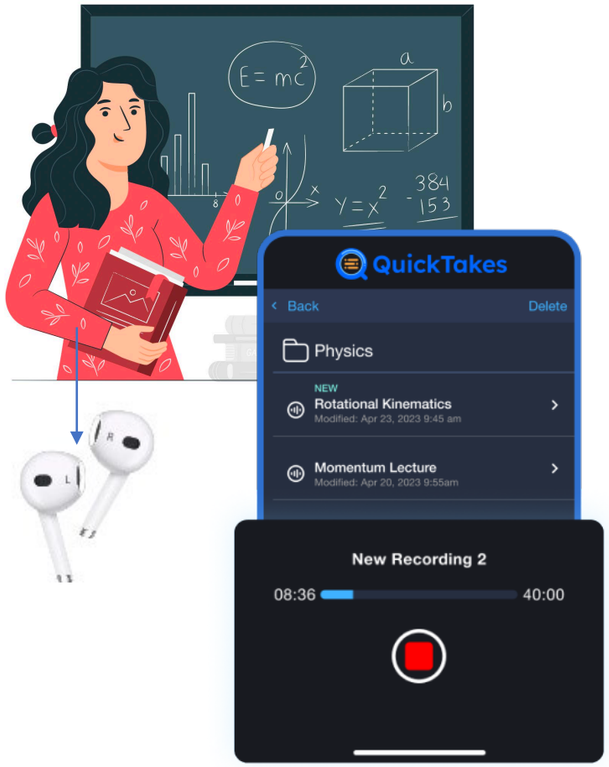
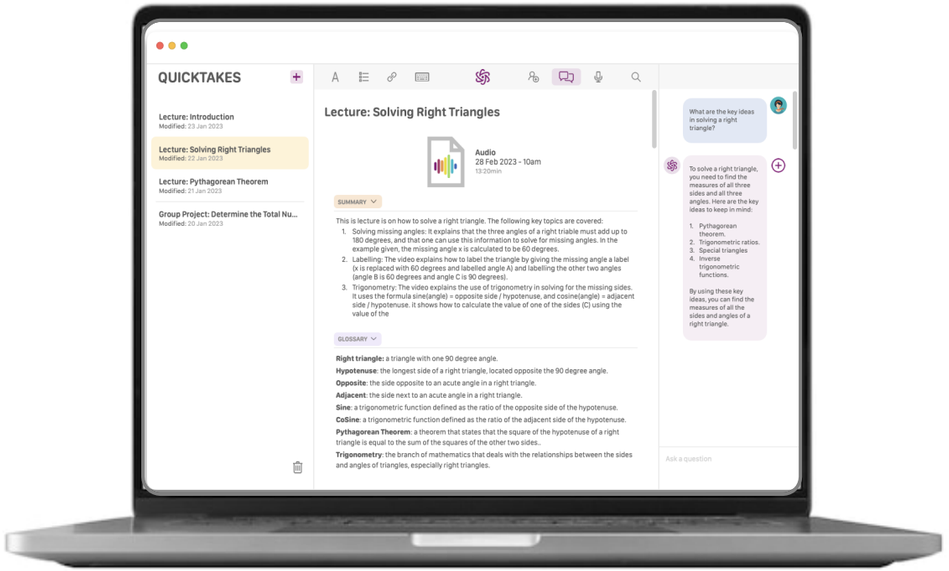
1 Capture lessons effortlessly



2 Easily create lecture notes & class resources to distribute to students



3 Automated lesson creation tools to save significant time

- Recaps to start next class
- Practice problems during class
- Videos, online resources
- Standards-aligned questions bank

\+ Existing interfaces & tools

Google Docs

LMS & assessment platforms

Azure / AWS / Google Cloud

Uniform use cases that sit on top of existing QuickTakes features

Underway: tools for educators to adapt to their needs & preferences

QuickTakes

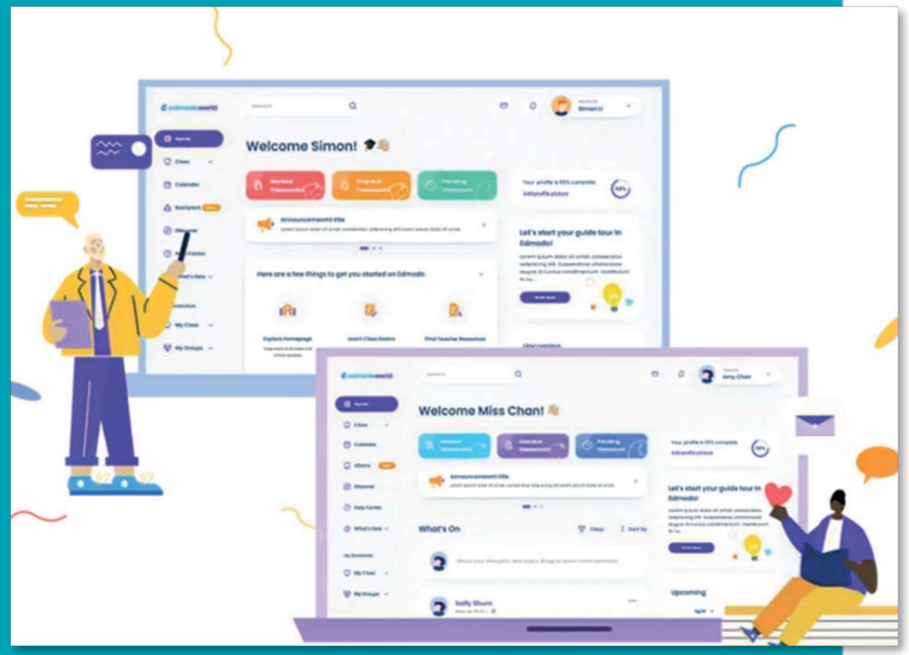
NetDragon

edkey

GET IT ON Google Play

Download on the App Store

LEARNING MANAGEMENT SYSTEM



Introduction

A comprehensive Enterprise Learning Management System for dynamic educational administration and delivery.

Streamlines Classroom Management

Simplifies course organization and activity facilitation, enhancing teacher efficiency.

Enhances Student Engagement

Utilizes interactive tools to improve student participation and learning outcomes.

Supports Equity in Education

Provides all students with access to high-quality learning tools, promoting educational fairness.

UNIFIED & INTEGRATED SYSTEM

Online Classroom

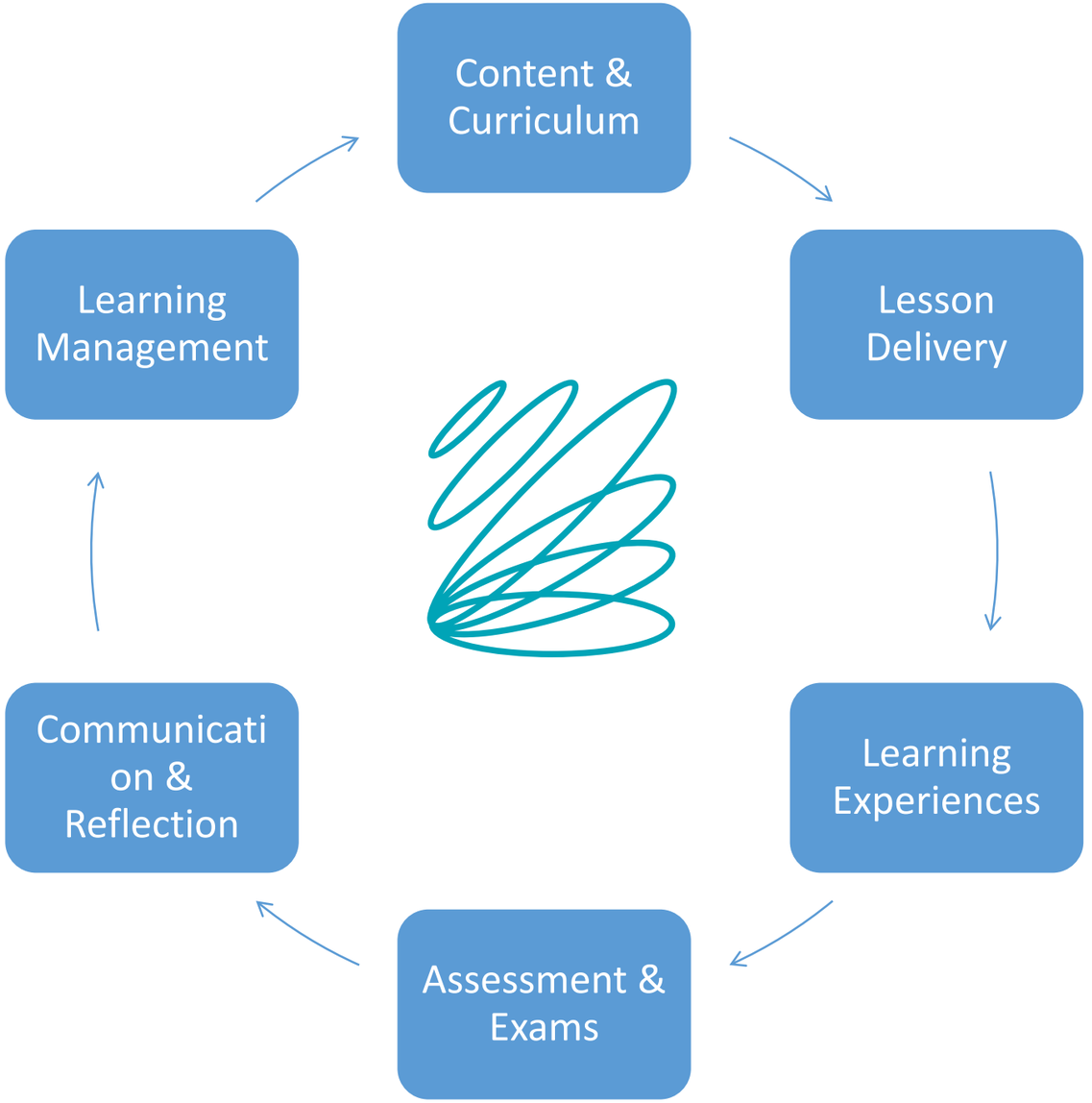
Teachers' Groups

Literacy & Digital books

Stem Education & Tailored content

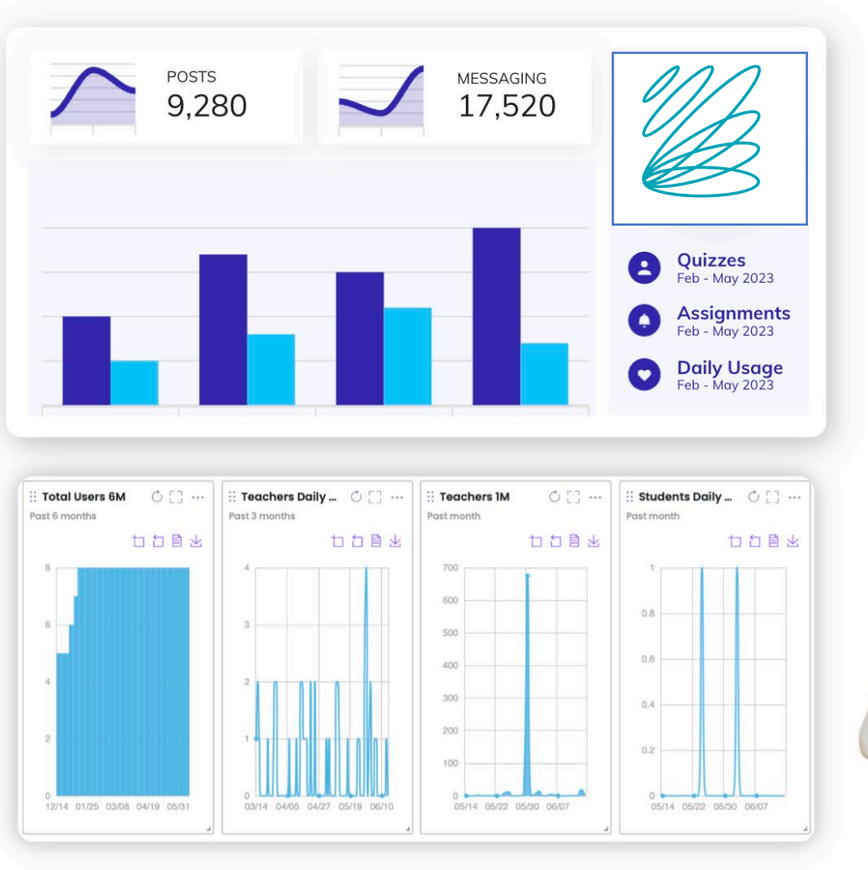
PD Groups for Teachers

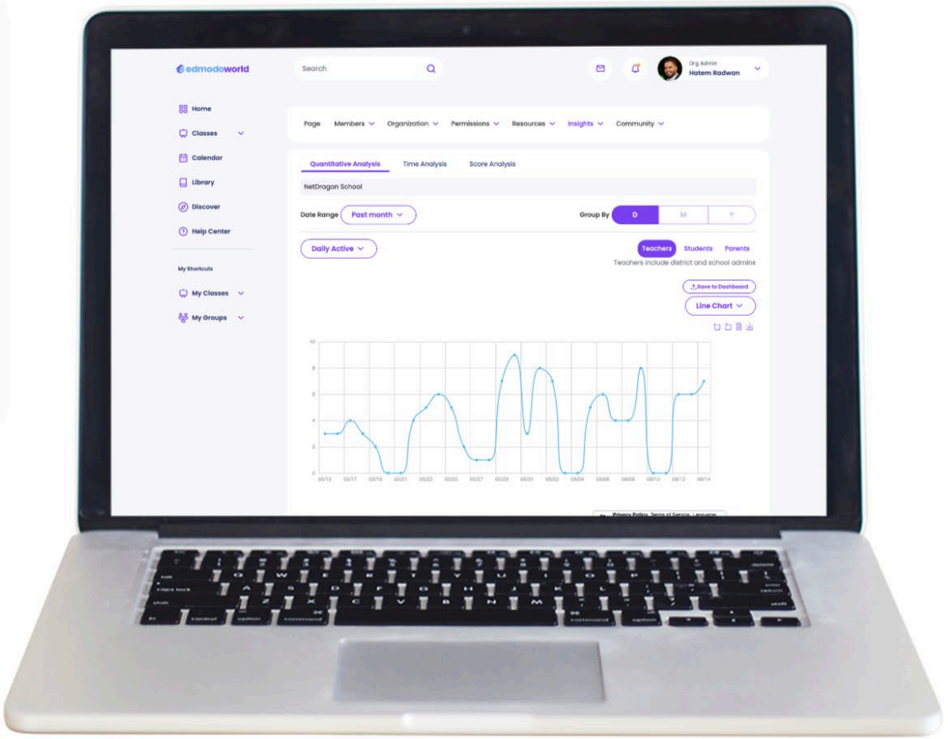
Trainers' Programs & Support



User Management & Administration

- Profiles & Credentials
- Security
- User Interface Dashboard
- Course & Organizational Roles
- Data Analysis





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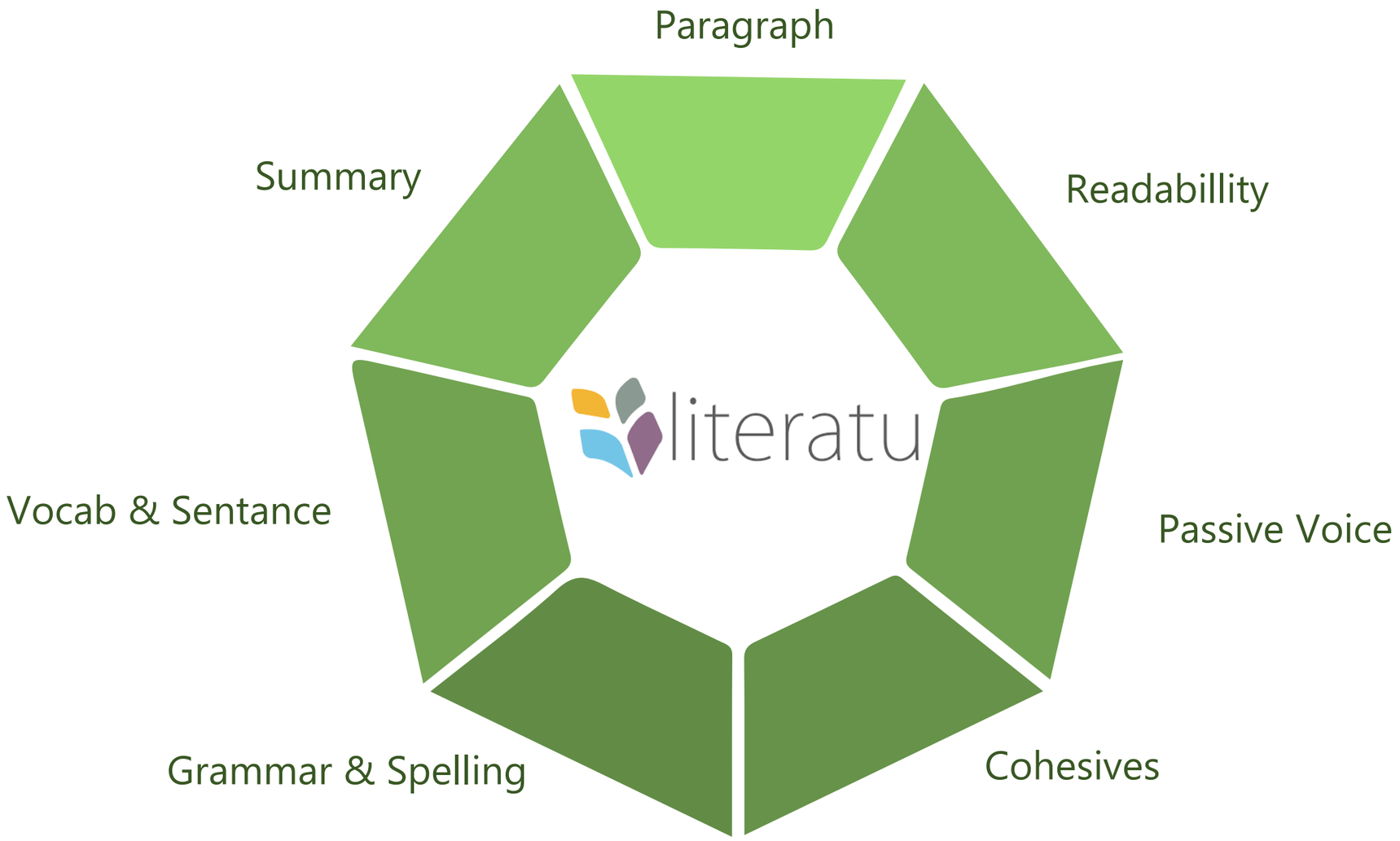
What is Literatu Scribo?

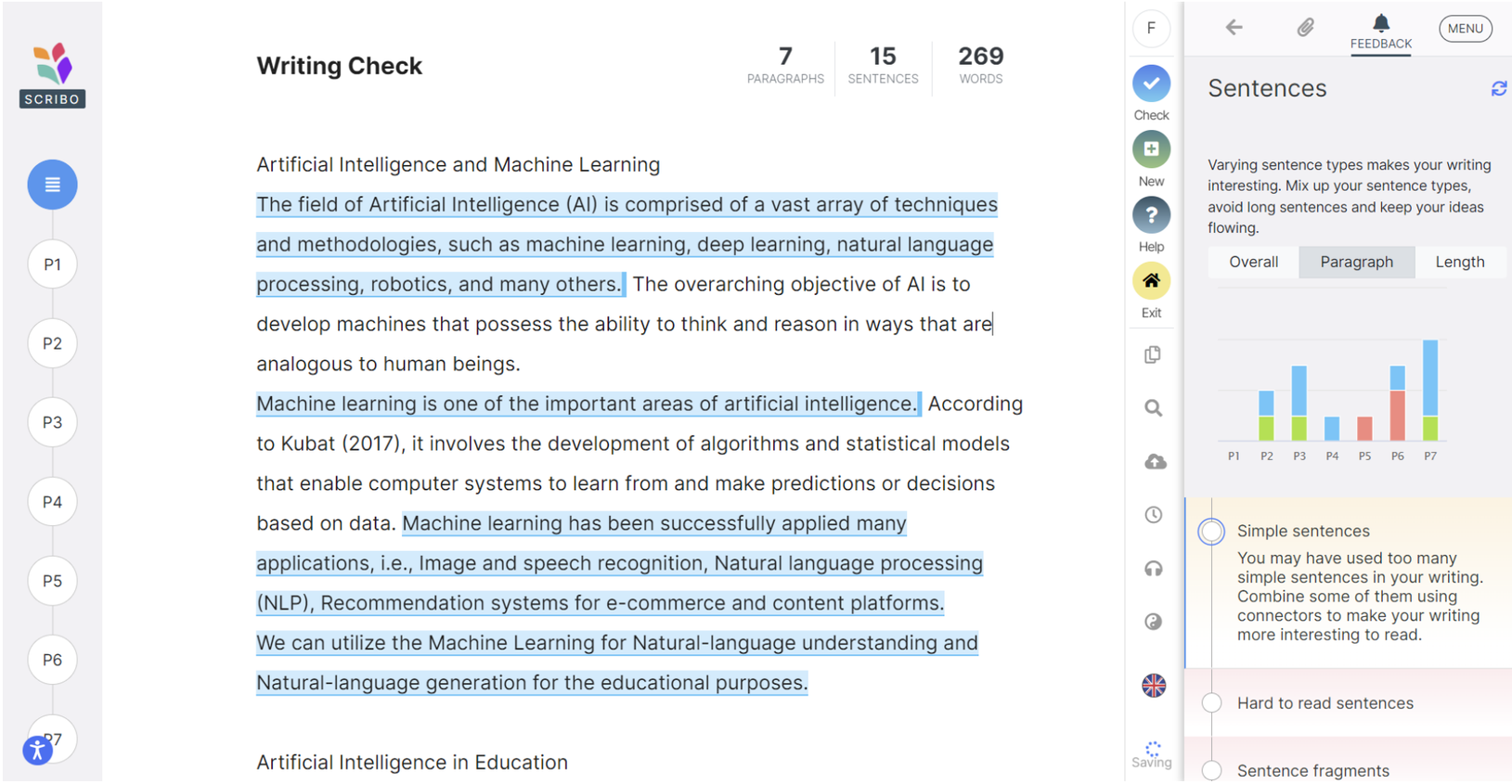
It is an education app that uses AI that improve grammar, spelling, and overall writing clarity.



AI-enabled grading tools for Teachers

- AI-powered teacher assistant tools can as a role of adviser that enhance teacher workflows

- Those tools are powered by Natural Language Processing and Large Language Model



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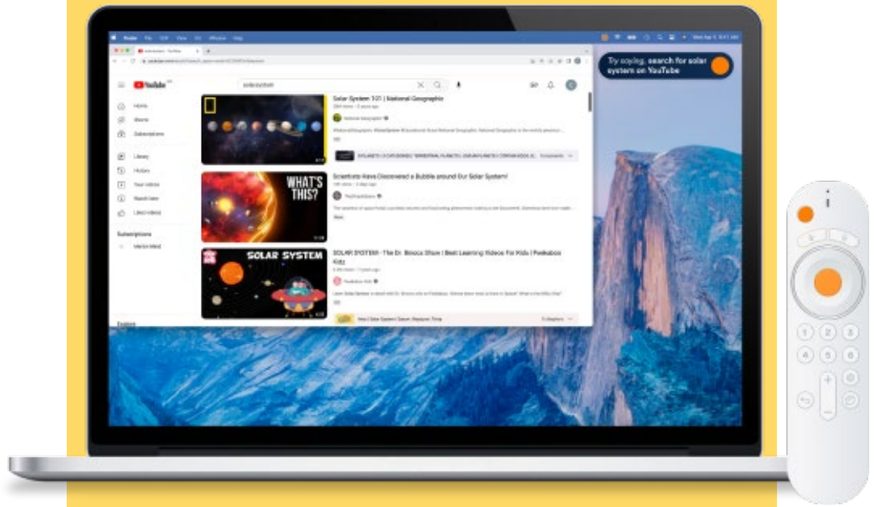
MERLYN MIND

Merlyn's Technology

A voice-activated assistant for educators, which:

- Operates on a school's own local curriculum and content
- Initiates Socratic discussions
- Performs voice-commands to improve productivity
- Leverages long-term memory of its AI model to tailor to educational use cases



- Speech Recognition

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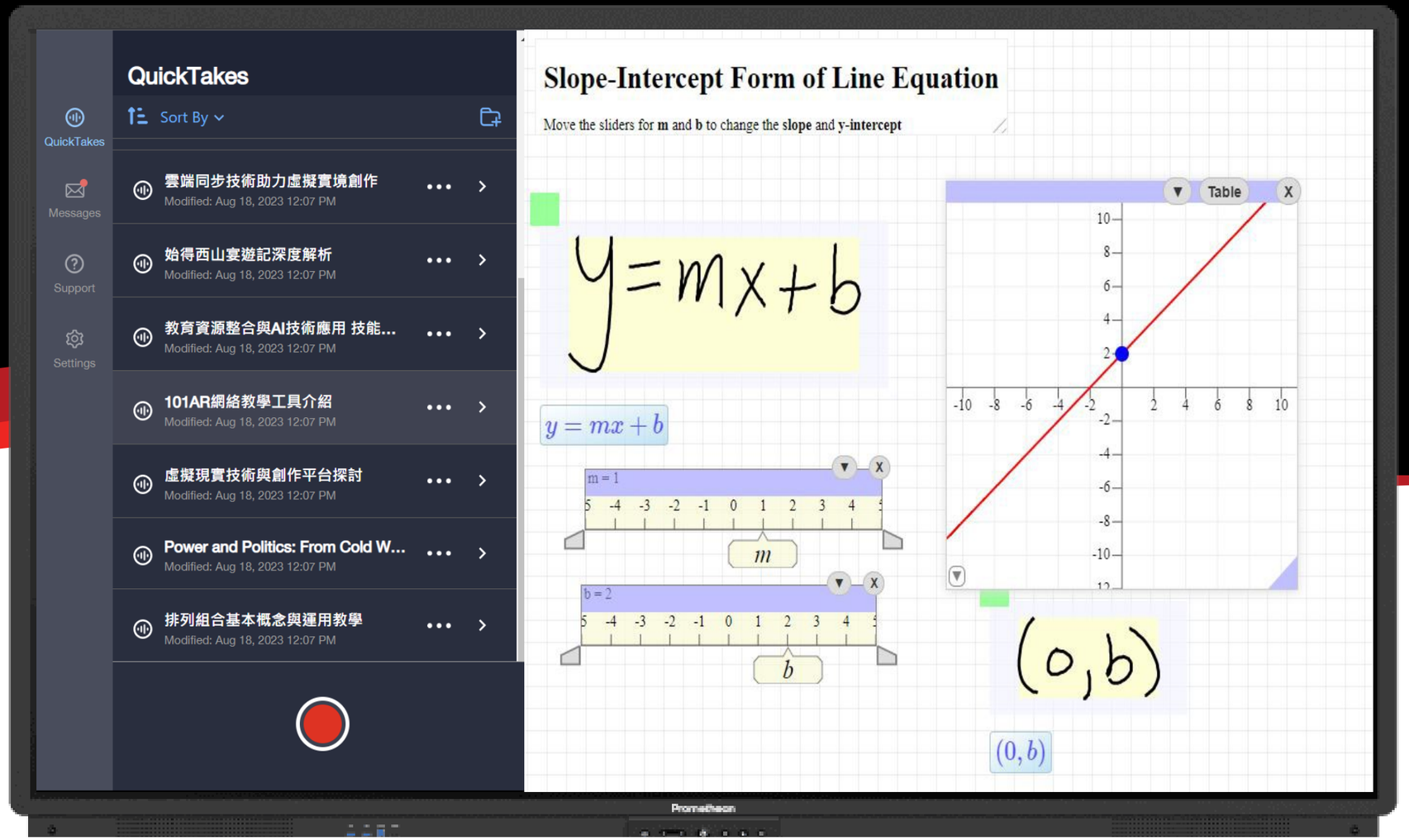
What about AI in NetDragon's core education business?

Integrating AI into our Promethean Panels



Thank you!

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