

### KAHOOT! INVESTOR DAY

7 June 2023

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Kahoot! INVESTOR DAY 2023

#### **AGENDA AND SPEAKERS**

3:00 - 4:20 CEST

Building the leading learning and engagement platform in the world

4:30 - 6:00 CEST

**Commercial** 

**Education** 

**Consumer & Experience** 



**Eilert Hanoa** 



Ken Østreng CFO



**Trish Sparks** Clever CEO



James Micklethwait VP Kahoot! at Work



Sean D'Arcy
VP Kahoot! at
School and Home



Elizabeth Kleive



**Alexander Remen**Director of Product



Craig Narveson
Director of
Partnerships



The preeminent global brand for digital education, engaging learning and audience interaction

Eilert Hanoa, CEO

#### **EXECUTIVE SUMMARY**

- Positive trend shift in activity on platform on a like-for-like basis YoY last three months, post-pandemic
- Strong development in both number and size of key account deals
- Continued adoption of new paying apps on the Clever platform is driving annual growth, currently at ~20% YoY
- Targeting >20% annual average growth in billings in the period 2024-26, with majority of growth coming from professional user categories
- Targeting ~40% cash EBITDA margin on group level by 2025, including Clever
- Preparing for a secondary listing in the U.S. (Nasdaq) in 2024
- Launching a host of AI based features for both creators and learners, amplifying the signature Kahoot! experience
- Introducing Kahoot! GO for simplified and instant engagement

Kahoot! INVESTOR DAY 2023

## THE KAHOOT! OPPORTUNITY

Learning and engagement for everyone

Global brand with viral growth

Critical infrastructure for US school market

Innovation-driven product-led growth

Scalable and resilient business model

## BUILDING THE LEADING LEARNING PLATFORM

#### Kahoot!

Engagement and learning platform

+9bn

participants (non unique) since launch

1.4m

Paid subs across corporations, schools and consumers

#### Clever

Digital classroom and full Edtech experience

75%

of U.S. K-12 schools on Clever platform

610+

Paying App Partners

500+ K!rew members across U.S. and Europe

Consistent growth in recurring revenue, both organic and inorganic with a unique viral business model and highly scalable platform

\$173m

Billings LTM Q1 2023

~35%

Pro forma billings CAGR (FY 2020-2022) \$55m

Cash EBITDA LTM Q1 2023

>30%

Consistent annual Cash EBITDA margir (FY 2020-2022)

#### **POWERING LEARNING AND ENGAGEMENT FOR ALL**

#### **Commercial**



Engaging corporate training and communication solutions for all employees

In total **595k paid subs,** net 80k new added LTM

#### **Education**



Learning platform powered by engagement and learning tools for teachers and students

In total **450k paid subs**, net 55k new added LTM **610+ paying EdTech Apps** on Clever, +100 new apps LTM

#### **Consumer & Experience**



Social learning and global community and marketplace for creators and learners

In total **300k paid subs**, net 40k new added LTM

### EXPANDING ADDRESSABLE MARKETS THROUGH PRODUCT-LED GROWTH

+\$50 billion TAM

#### **Commercial**



#### ~\$16 bn

Deeper expansion into corporate learning technology market and fast growing non-desk workers market

Further transition to employee based license model

#### **Education**



#### ~\$5 bn

Expanding from single teacher licenses to multiseat across K-12 and Higher Ed

Leveraging Clever platform to drive adoption and growth across districts, teachers and students

#### Consumer & Experience



#### ~\$30 bn

Leveraging vast consumer user base, world class partnerships, and content creators to monetize young learners, higher ed students and lifelong learners

#### **Trends shaping the market:**

- Continued digital adoption across industries
- Closing of learning gaps post pandemic
- Dispersed workforce, hybrid working & blended learning
- Need for up- and reskilling due to increased automation and A.I.
- Generative A.I. with transformative potential
- Proven gamification efficiency benefits
- Consolidation in a highly fragmented market

#### CONTINUOUS GLOBAL EXPANSION

## Ramping commercial offerings in international markets in H2 2023

- Roughly 80% of active Kahoot users today in North America and Europe
- Significant geographical expansion opportunity by leveraging our viral model and further localization of offering, language, pricing and payment options.







Used in **200+** regions

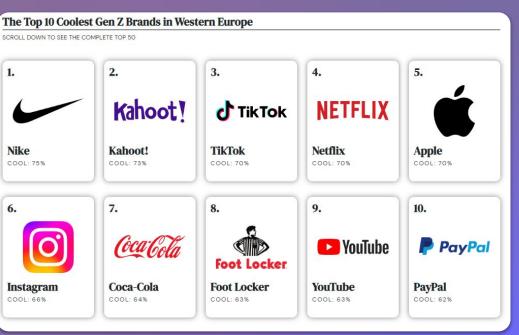
Available in **18** languages

## THE WORLD'S MOST POPULAR LEARNING BRAND

Continue to foster brand promoters and engage users through ever-evolving customer experiences across all offerings

A company that connects with its audience through cultural relevance, social impact, and clear, authentic communication

FAST @MPANY



















# COLLABORATING WITH THE BEST PARTNERS IN THE WORLD

































amazon future >> engineer







#### VIRAL GROWTH ENGINE WITH ZERO MARKETING COST



#### **Active accounts**

~16%

Q1 2019-2023 average annual growth in LTM active accounts (CAGR)

#### BRAND

Globally known brand across the world

#### PRODUCT LED GROWTH

Hundreds of new features launched last 12 months

#### USER GENERATED CONTENT

>100m public kahoots on[]
the platform, I billion
questions in the question
bank and growing

#### **ECOSYSTEM**

World renowned content and tech partners, millions of creators

#### **VIRAL USER BASE**

Closing in on 10 billion participating players since launch (nonunique)

#### **REACH TO ALL GEOGRAPHIES AND INDUSTRIES**

Selected multi-seat enterprise accounts representing huge white-space opportunity

	Energy/utility & travel/transport	Production & construction	Healthcare & services	Financials & real estate	Retail & consumer goods	Comms., tech & media	Education	Government & public
Americas	₩EBCOR	General Electric  ROYAL CANIN'  ROCKWEIL Automation	Agilent Technologies  Pfizer  Insperity	Charles SCHWAB  AMERICA FIRST STREET FAIRST FARM Credit Canada	Coca Cola  P&G	intel.  Microsoft	openeducation  UDEM  Elmira City School District	U.S. AIR FORCE  United Nations  NFPA
Europe, Middle-east & Africa	TURKISH AIRLINES TNT	Gnotec RENAULT BOSCH	Sanofi  Sanofi  Rentokil Initial	CRÉDIT AGRICOLE  BANCA D'ITALIA EUROSISTEMA  HSBC	Nestle GUCCI W ROLEX	M. MUREX  entelect	MC Graw Hill  TÉCNICO LISBOA	EUROPEAN UNION  Skatteetaten  Lloyd's Register
Asia-Pacific	THE  ASCOTT  transworld  GROUP  CEAN HETWORK EUPRESS	wilson &bradley 五洋建設 SAMSUNG	・COMPASS ・COMPASS ・ 香港紅十字會 HONG KONG RED CROSS  WIATRIS	MAX LIFE INSURANCE VINGROUP	Woolworths 6	NTT DATA  STEngineering	ATENEO DE MANILA UNIVERSITY SITTE SISSEANGE PERMICIO DE PROPERTO D	Stats Paterna Actor on Manage Actor on Manage Actor on Manage Office of Ma

#### KAHOOT! & CLEVER MOST POPULAR LEARNING APPS AFTER GOOGLE

- Over 3 million teachers in US and Canada hosting over 48m sessions with over 600m non-unique students last 12 months per Q1 2023
- 50% of the U.S. K-12 students and over a third of teachers on the Clever platform



Rank	Solution Name Primary Purpose, Type of Solution	Rank Change Compared to 2020-2021 report
1	Google Docs  General & Pervasive	=
2	Google Slides General & Pervasive	-
3	YouTube Sites & Resources, Streaming Services	-
4	Google Drive  General & Pervasive	-
5	Google Forms Classroom Engagement & Instruction, Classroom Response & Assessment	-
6	Kahoot!  Classroom Engagement & Instruction, Classroom Response & Assessment	<b>1</b>
7	Clever IT Management, Single Sign-On (SSO)	<u>*</u> 5
8	Google Classroom Learning Management System (LMS)	<b>₩</b> 2
9	Google Sites  General & Pervasive	₩ 1
10	Google Sheets	_

#### 2022 Edtech App Report Analysis of findings from Lightspeed Analytics™ 1. Google Workspace 2. YouTube 3. Clever 4. Kahoot 5. Wikipedia 6. Microsoft Suite 7. Quizizz 8. Facebook 9. Quizlet 10. Twitter 11. Adobe 12. Pinterest 13. Cool Math Games 14. Blooket 15. Encyclopedia Britannica 16. Nearpod







## WE CREATED CLEVER TO SOLVE THE PROBLEMS THAT BLOCKED STUDENT USE OF EDTECH

- 6-12 months to create student accounts
- Students and teachers managing 10+ passwords, forgetting them frequently
- New students wait weeks to get access to edtech
- Apps can't keep up with constantly changing user data
- Educational apps pay massive implementation teams just to manually load data
- R&D work spent on data cleanup, not product

### MAKING DIGITAL LEARNING WORK BETTER FOR EVERYONE





Easy access to edtech apps

↑8% YoY

**25M** 

US K-12 Monthly



**Teachers** 

Simplifying digital instruction

↑5 % points YoY

~75% of US



IT Admins

Better edtech implementation

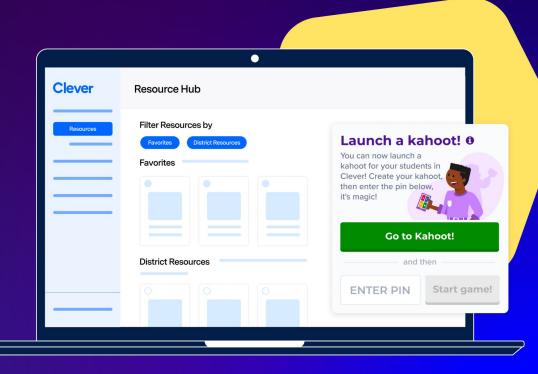
16% YoY

920+ Edtech
App Partners

#### THE CLEVER PORTAL

The digital classroom loved by teacher and students

- 1. Everything in one place
- 2. Personalized to each student
- 3. Single sign-on, so no passwords to remember
- 4. Helps districts safeguard data
- 5. Easy for the youngest learners



#### **CLEVER'S BACKEND APIS**

Help apps scale into thousands of districts with one connection

Free for schools

U.S. K-12 schools use 100+ Student Information Systems The Clever API

The central hub between apps and schools databases

Edtech apps subscribe

Saves apps from integrating with 100+ schools database vendors



Clever

Google Workspace

Lexia

Skhan Academy

Khan Academy

Suppose the property of the property of

- Free core products and services
- Start with some apps and expand over time
- Upsell paid security products and services

+22%

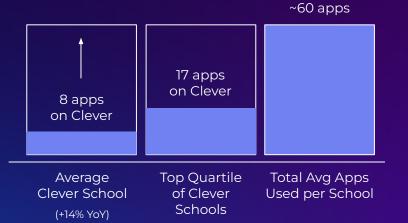
Network revenue connections in 2022

- Fee per school-to-application connection
- Start with some schools and expand over time
- Annual subscriptions that grow as schools are added

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#### **UPSIDE WHEN SCHOOLS ADD APPS TO CLEVER**

Schools are using more apps on Clever than ever before and there's room to keep growing connections



(+13% YoY)



Connecting popular apps across all categories

Clever is fantastic. It's so easy to use. We're able to integrate so many different programs quickly and easily. Our teachers and students love it. "

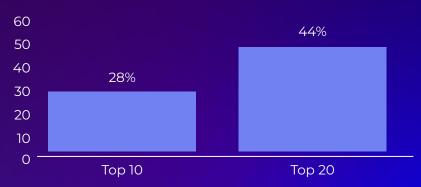
Adam Klose
Technical Support Specialist
Akron Central School District

#### **EXPANDING ADOPTION WITH EDTECH APPS**

Land and expand to serve partners' schools

- Clever revenue grows as partners subscribe for more and more of their school customers over time
- Our current network of schools can keep growing the apps they use with Clever
- 115% net revenue retention in 2022
- 17% annual recurring revenue (ARR) growth YoY in 2022

2022 ARR Concentration by customer size



Partners by ARR

Our Clever partnership helps EVERFI resources reach the largest number of students and teachers. It's one of the stronger ways to grow relationships, grow usage, and grow impact."

Diana Brayo

Vice President of District Partnerships

EVERFI

## THE CLEVER GROWTH ENGINE TO ACCELERATE REVENUE THIS YEAR AND BEYOND

Connect anything

More connections per school

New app partners

Growing partner contracts

Secure everything

Develop new, paid products to own identity and secure the edtech ecosystem Expand globally

Make our platform adaptable to schools outside the United States

#### **CONNECT: MORE SCHOOL SYSTEMS**

New API integrations produce more revenue **Student Information System** and increase value to Applications Partners & (Student, teacher, parent data) Districts **Identity Systems** (Google, Microsoft) **HR Information System Systems** (Staff data) **Edtech Applications** Clever (Curriculum, Assessment) **Applications Rostering Integration** (Google Classroom etc.) **Learning Mgmt System** (Schoology, Canvas etc.)

#### **SECURE: SCHOOL DATA AND IT**

Leveraging our position as the trusted education infrastructure partner to solve security challenges for our school network

#### **New Paid Security Solutions**



500 District subscribers



On track to 3x 2022 revenue in 2023



MFA+

Launched April 2023

Winner: CITE
Conference top edtech
MFA solution

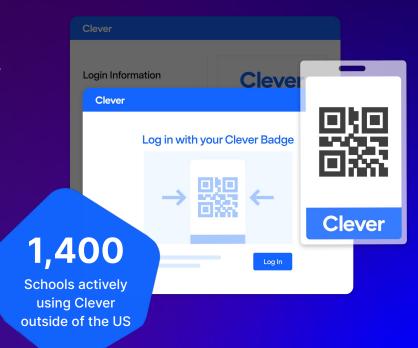
#### We're selling into the #1 investment priority for school IT leaders: Cybersecurity

- Clever's security products are finding strong product-market fit with opportunity to increase revenue across all Clever Districts
- Increase penetration with upsell to 10k Clever districts in US and new buyers globally
- Increase average contract value with additional products that expand addressable user base (e.g. Student MFA, and Staff Solutions)
- Efficient revenue growth through online (Clever App Store) and direct sales channel

### EXPAND: CLEVER IS THE INFRASTRUCTURE PLATFORM TO UNLOCK EDTECH ACROSS THE GLOBE

Making adoption easier and more scalable globally

- School needs for Clever's rostering, SSO and security solutions are universal across regions
- Leading with Clever Badges as an accelerator for fast school adoption
- Follow-on with rostering and additional paid security solutions
- Launched dedicated Canada sales team; increasing number of pilots in Australia and UK



## FUELING GROWTH BY CONNECTING THE DATA AND APPLICATIONS TO MAKE DIGITAL LEARNING WORK BETTER, FOR EVERYONE



- One Clever integration across
   97k+ schools, 900+ applications
- Connect 25M users across 100+ systems
- More connections drive increased revenue realization

Secure everything

- Position Clever as the leading security solution for K-12 education
- Upsell incremental revenue and retention across 10k+ districts



- Grow Clever school and application network
- Expand rostering and security revenue
- Accelerate with Kahoot! and key partners

#### **INNOVATION-DRIVEN PRODUCT-LED GROWTH**

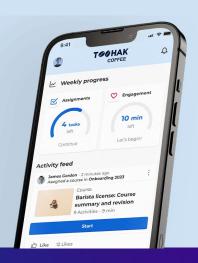
#### **ENGAGING LEARNING**

Continuous additions to be the most engaging platform



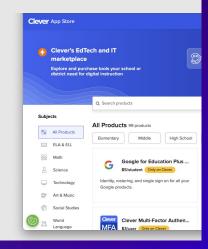
#### CORPORATE LEARNING

A premium offering to professional users



#### DIGITAL PLATFORM FOR SCHOOLS

One platform and app store for all teaching needs

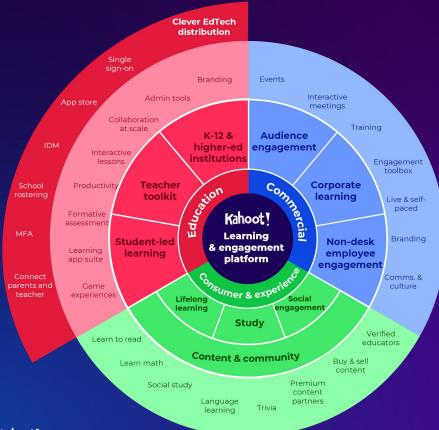


#### PREMIUM CONTENT OFFERING

Premium, ready-made content for every learning need



#### **ULTRA SCALABLE PLATFORM**



Kahoot! is in a unique position and capability to serve several high growth learning verticals through one globally beloved brand and software platform

>50%

of the people working with product development, engineering and design, representing in total over 280 people

3/4th

of capacity spent on innovations like new features and capabilities

75%
of features built to scale across millions of users in all customer categories

NPS natings in all segments the last 12 months

MORE CUSTOMER
VALUE AND NEW
OFFERINGS
POWERED BY
ARTIFICIAL
INTELLIGENCE

Simplify content creation.



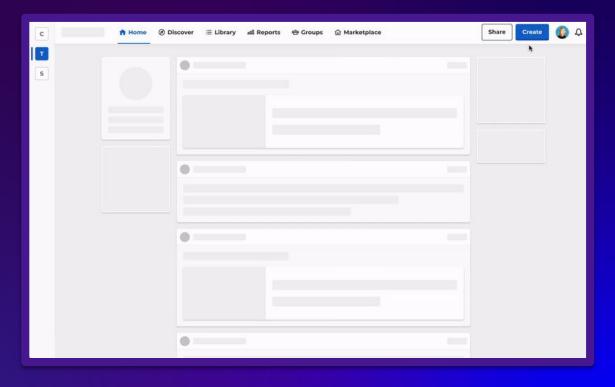
Customize user experience



Enhance accessibility



MORE CUSTOMER
VALUE AND NEW
OFFERINGS
POWERED BY
ARTIFICIAL
INTELLIGENCE



**Just launched:** Kahoot! Generator, auto generate your Kahoots from a simple text prompt powered by Al.

## ENGAGEMENT AT EVERY EMPLOYEE'S FINGERTIPS

INTRODUCING
KAHOOT! 360 ENGAGE





12K FOLLOWERS Subscribe

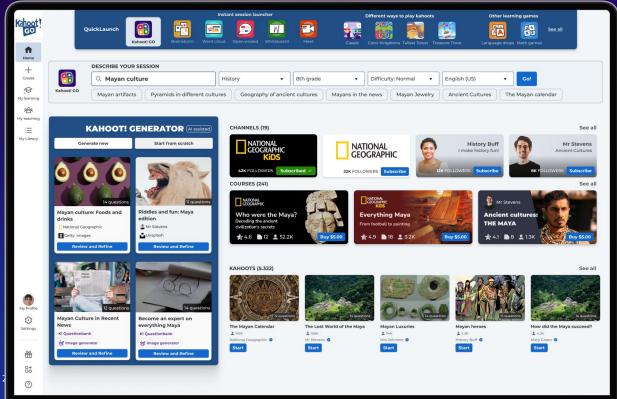
8K FOLLOWERS Subscrib

## INTRODUCING KAHOOT! GO for instant engagement

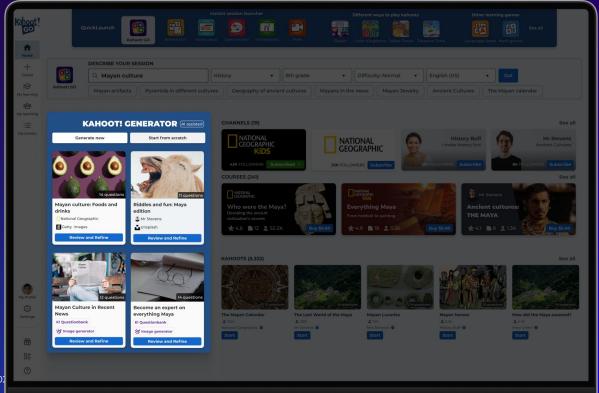


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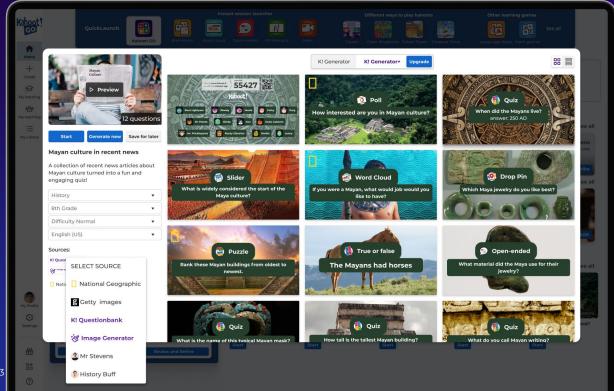
## INTRODUCING KAHOOT! GO FOR ALL EXISTING FREE USERS IN 2023



### INTRODUCING KAHOOT! GENERATOR: AI ASSISTED CONTENT CREATOR WITH TRUSTED SOURCES



## INTRODUCING KAHOOT! GENERATOR+ ONE-CLICK UPGRADE



# KAHOOT! GO - ALL EXISTING FREE USERS IN 2023 General availability in Q4

Kahoot! GO

**FREE** 

Everything you need to create great learning experiences.

K! Classic Quiz

K! QuickLaunch NEW

K! Generator NEW

Kahoot!+ One

\$9.99/mo.

The toolbox for maximising learning experiences with access to premium content.

KT Premium Quiz & Game modes

K! QuickLaunch+ NEW

K! Generator+ NEW

**K!** AccessPass

K! SeasonPass NEW

K! Kids

Kahoot!+ One Premier

\$19.99/mo.

The ultimate toolbox with access to the latest learning experiences with premium seasonal content and gameplay.

K! Premium Quiz & Game modes

K! QuickLaunch+ NEW

K! Generator+ NEW

K! AccessPass+ NEW

K! SeasonPass+ NEW

K! Kids+ NEW

# SCALABLE AND RESILIENT BUSINESS MODEL

Ken Østreng, CFO

# Continued profitable growth

**†** Continued scalable growth

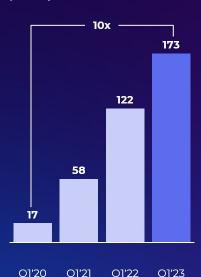
Expanding profitability

Solid cash flow generation and disciplined capital allocation

## **CONTINUED PROFITABLE GROWTH**

#### **Billings LTM**

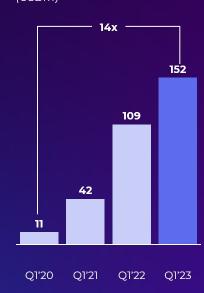
(USDm)



 Billing driven by organic growth in number of paid subscriptions and effect from acquired companies

#### **Recognized revenue LTM**

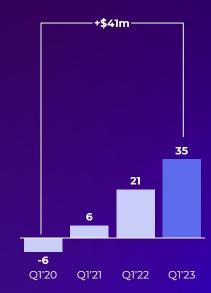
(USDm)



 Revenue growth deriving from recognition of billed prepaid annual subscriptions

#### Adjusted EBITDA LTM<sup>1</sup>

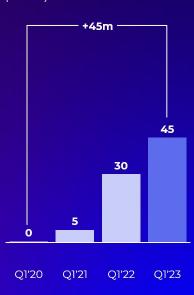
(USDm)



 Continued improvement in adjusted EBITDA following revenue growth and prudent cost development

#### Free cash flow LTM<sup>1,2</sup>

(USDm)



 Solid free cash flow development following the scalable business model with marginal Capex

# FINANCIAL COMPOUNDING MODEL ENABLING GROWING FREE CASH FLOW GENERATION

Growing recurring revenue

x customer acquisition cost

Scalable platform

Capital light
business
model

Growing annual free cash flow generation

~22%

pro-forma growth in billings in 2022 with 2021 proforma growth being 48% ~0

marginal cost of conversion as infrastructure cost included for both free users and paid subscribers ~5%

platform hosting cost, including Clever, as % of 2022 billings to support all customer categories globally with 95% gross margin ~1%

capex as % of 2022 billings with R&D cost being expensed continuously ~35%

growth in free cash flow in 2022 proving financial scalability with ~39% cash EBITDA margin for Kahoot! excl. Clever as of QI 2023 LTM (~32% incl. Clever)

### **OVERVIEW OF KEY BUSINESS DRIVERS**

A

Automated sales

- Conversion of existing free users to paid subscriptions through viral distribution
- Over one million transactions through self-serve, prepaid credit card sales
- Seasonality intra-year follows user patterns for the various customer categories

B

Key account sales

- Inbound-driven sales model where initial purchases often are generated virally
- ~3x pro-forma billings with modest cost base increase (2020-2022)
- Seasonality intra-year in line with major quarters for Education (Q3) and Commercial (Q4)

C

Clever

- Continuous adoption of apps by school throughout the year drives growth
- Third quarter is the main billing quarter in line with back-to-school season

# **CONVERSION INCREASING CONSISTENTLY WITH MARGINAL ACQUISITION COST**

Professional accounts<sup>1</sup> on the Kahoot! platform excl. acquisitions USDm



 Scalable platform supporting all customer categories globally, with infrastructure cost for both free and paid users included in the cost base. Marginal customer acquisition cost through conversion of existing free users on the platform to paid subscribers

# PRODUCT-LED GROWTH CONSISTENTLY DRIVING HIGHER ARPU

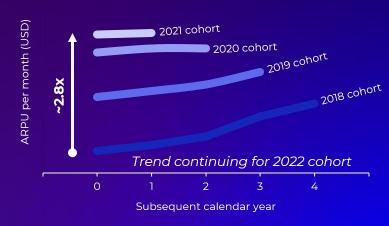
## **Kahoot! at Work single-seats** *ARPU per month (\$) per cohort*



 Work users paying more for new subscription plans with additional features (from ~\$10 to ~\$30 per month since 2018)

#### Kahoot! at School single-seats

ARPU per month (\$) per cohort

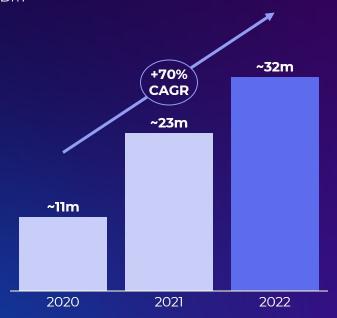


 School users paying more for new subscription plans with additional features (from ~\$2 to ~\$7 per month since 2018)

Product-led growth at the core of Kahoot! without historical price increase on existing plans

## STRONG DEVELOPMENT IN KEY ACCOUNT SALES

#### Billings development for key account sales<sup>1</sup> **USDm**



- Strong growth in large accounts deals and size with both existing and new customers across professional customers (Commercial and Education)
- ~3x pro-forma billings with modest cost base increase (2020-2022)
- Both the Kahoot! platform and acquired product bolt-ons, Actimo (2020) and Motimate (2021), have contributed to the strong development in key account sales

# ADOPTION OF PAYING APPS ON THE CLEVER PLATFORM IS DRIVING ANNUAL GROWTH

Student MAUs and number of paying apps on the Clever platform





 Number of paying apps on the platform growing consistently quarterly over the historical period and currently at ~20% YoY growth in Q1 2023

Increased adoption of apps (avg. apps per school going from ~3 to ~8 last 4 years) and is the main driver for annual billing growth, with third quarter as the main billing quarter in line with back-to-school season

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## PROVEN SCALABLE BUSINESS MODEL



# Operating run rate visualizes the scalability in the Kahoot! operating model

- Operating model leverage with continued modest QoQ growth of the operational cost base
- Low customer acquisition cost through conversion of existing free users on the platform to paid subscribers
- Scalable platform supporting all customer categories globally, with infrastructure cost for both free and paid users included in the cost base
- Capital light business model with minimal capex required to support scale of the operations
- Kahoot excl. Clever currently at ~39% cash EBITDA margin<sup>1</sup> as of Q1 2023 LTM

### CALCULATED SHARE BASED COMPENSATION

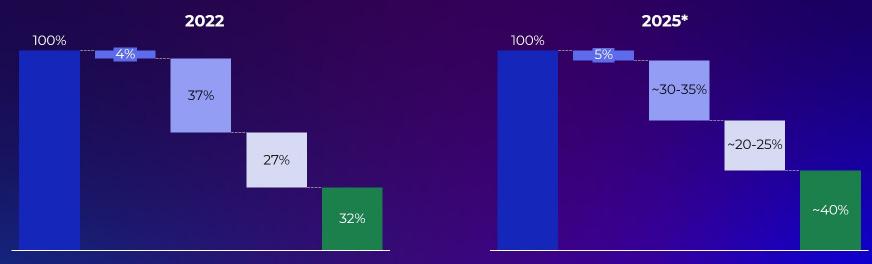
Share based compensation expense development<sup>1</sup>



- In addition to regular operating expenses, there are calculated share based compensation expenses deriving from the group's equity program
- These calculated expenses do not have a cash effect for the company, they are merely calculated expenses included under IFRS regardless if the granted instruments are in the money and have a dilutive shareholder effect or not
- Calculated share-based compensation expenses (non-cash effect) will decline through 2023 in particular in the second half of the year based on vesting schedule of current outstanding instruments
- Calculated payroll tax fluctuates with share price development

## **LONG-TERM OPERATING MODEL**

\*Long term operating model excluding future Marketplace revenue and corresponding COGS





COGS

Employee benefit expenses

Other operating expenses Cash EBITDA<sup>1</sup>

#### Long-term scalable operating model

- Continued gross margin improvement
- Low customer acquisition cost due to viral distribution for individuals and in organizations
- Employee benefit expenses including approx. 50% of the team in product and development, and other operating expenses continue to decrease in percentage of revenue
- Translating into an adjusted EBITDA margin converging towards ~40%

#### CAPITAL ALLOCATION FRAMEWORK

# Balance sheet optimization and liquidity

- No interest bearing-debt and liquidity of \$88.7m as of Q1'23
- Solid financial position

# Prudent approach to fund growth

- Continued focus on investments in product innovation to secure competitiveness and continued long-term profitable growth
- Minimal capex required to support the operational model

# Disciplined approach to M&A

- Continued opportunistic M&A approach and strategic opportunities
- The financial ambitions outlined do not depend on any material acquisitions in the period

#### **US LISTING PREPARATION**

# Preparations and readiness

- Strong US presence with ~65% of 2022 billings and ~50% of employees located in this geography
- Dual listing in the US (Nasdaq) will make shares more easily available to a broader set of investors and improve liquidity further
- Kahoot! ASA ("KAHOT") was listed in March 2021 and is already the 25<sup>th</sup> most traded stock on Oslo Stock Exchange (LTM)
- Qualification review conducted

# Structure and timing

- Nasdaq dual listing for Kahoot! ASA ordinary shares or ADRs representing such shares
- Timeframe during 2024, subject to market conditions
- Listing on Oslo Stock Exchange to be continued

#### **2023 OUTLOOK**

#### Full-year 2023

Full year continued double digit year-on-year growth in billings delivering recognized revenues exceeding \$170m with modest annual growth in operational cost base, and adjusted EBITDA exceeding 40% year-on-year growth with solid free cash flow

Q2 2023

Continued year-on-year growth in billings delivering recognized revenues of \$41-42m with modest quarterly increase in operational cost base resulting in year-on-year improvement in adjusted EBITDA and free cash flow

Long-term ambition

Reiterating the long-term growth potential and scalability ambition, targeting ~40% cash conversion (cash EBITDA margin) in 2025 (as percentage of billings)

## **LONG-TERM ORGANIC OUTLOOK**

A global learning platform for accelerated growth in the coming years

>20%

average annual billings growth in the period 2024-2026 ~40%

cash EBITDA margin<sup>1</sup> target by 2025

Commercial

**~\$60m** ('22 billings)

Anticipate growth driven by strong key account sales growth and continued growth in automated sales

**Education** 

**~\$90m+** ('22 billings)

Anticipate growth in Education to be driven by key account and automated sales. Clever on par with Group Consumer & Experience

**~\$20m+** ('22 billings)

Anticipate continued growth in existing users as well as stronger contribution from Marketplace

## **LONG-TERM ORGANIC OUTLOOK**

# Ongoing growth initiatives

- Increased conversion rate and improvements across customer channels, increasing cross-sales for the Group's product suite
- Huge potential for further strong growth in large accounts deals and size with both existing and new customers
- Clever with significant white-space to grow within existing user base adding new app partners to core roster service

>20%

average annual
billings growth in the

period 2024-2026

# Key growth accelerating initiatives

- Driving further conversion from product-led value add-on including Al with ~50% of staff in engineering & product
- Clever with natural add-on sales, app store for education monetizing K-12 parents' ecosystem and international expansion
- New revenue streams from content creators through Marketplace

~40%

cash EBITDA margin¹ target by 2025

# Cost base development

- Continued modest increase in operational cost base resulting in yearon-year margin improvement long-term
- Kahoot! excl. Clever currently at ~39% cash EBITDA margin as of Q1 2023 LTM

# Continued profitable growth

**†** Continued scalable growth

>20% average annual billings growth in the period 2024-2026

**Expanding profitability** 

~40% cash EBITDA margin target in 2025

Solid cash flow generation and disciplined capital allocation

Annually growing free cash flow with limited capex required to support the operating model

Kahoot! INVESTOR DAY 2023

## **2023 PRIORITIES**

LEVERAGE THE SCALABLE PLATFORM AND LEAN OPERATING MODEL, continue double-digit profitable growth

**EVOLVE THE KAHOOT! PLATFORM FOR DEEPER AND BROADER LEARNING**, increasing share of wallet in engagement and learning

**CONTINUE INTEGRATION OF ACQUIRED OFFERINGS,** and improve optimization of all commercial levers

**DEVELOP AND COMMERCIALIZE CLEVER'S PREMIUM OFFERINGS,** improving profitability with continued growth

**UNLOCK NEW REVENUE STREAMS FROM MARKETPLACE**, extracting more value from partnerships ecosystem and new commercial services

**DEPLOYMENT OF GROUP RESOURCES TO INNOVATION**, continuous development of better solutions for all user groups and learning contexts

#### STRATEGIC OPPORTUNITIES FRAMEWORK

Our brand provides a unique opportunity to partner with learning companies across the ecosystem and extract synergies being part of our platform and create the go to site for learning across all business areas

Commercial



**Education** 



**Consumer & Experience** 

















Kahoot INVESTOR DAY 2023

## **OVERVIEW OF ACQUISITONS MADE TO DATE**

#### **Key acquisition evaluation dimensions**



#### **Brand**Brand & positioning

to match group
portfolio



#### Customers

Footprint in relevant customer segment(s)



#### **Products**

Engaging user experience with cross-BA application potential



#### Commercial

Scalable business model with large upside growth potential



#### Talent & Tech

Strong teams with proven track-record

Solid technology built on scalable cloud platform



#### Geography

Attractive geography of team & customers

# Historic acquisitions



Product bolt-on acquisitions (to the Kahoot! platform)



Transformational acquisition

#### Actimo (acquired 2020)

Actimo brings valuable competencies and skillsets in addition to their state of the art employee engagement platform

#### actimo

#### Motimate (acquired 2021)

Motimate brings an invaluable extension to our enterprise offering, adding a world class product and highly capable team



#### Clever (acquired 2021)

Clever is a transformational acquisition, adding the leading distribution platform for educational technology in US K12



#### Drops (acquired 2020)

Drops highly engaging language learning solution fits perfectly with the Kahoot! product suite – offering a low barrier to learning more than 40 languages

DRÓPS

#### Whiteboard (acquired 2021)

The whiteboard team have in very short time created a perfect and beloved addition to the teacher toolbox, complementing Kahoot! core's offering

WHITEBOARDF

#### Dragonbox (acquired 2019)

Dragonbox's team have created a suite of math learning apps, adding valuable competencies and math subject offering in both our home and school segment

TORAGONIBOSE

#### **Poio** (acquired 2019)

Poio's highly engaging learning to read application expanded Kahoot!'s offering towards young learners at home.

poio





## **MAKING WORK ENGAGING**



Live audience engagement

For training, meetings and events. In person, remote or hybrid

Corporate learning



Self paced corporate learning

Engaging self paced, interactive, content rich learning journeys



Non desker engagement

Enabling communication with and between non desk workers

Used by **97%** of the Fortune 500 to engage, train and connect employees and external audiences



# VIRAL REACH FUELING GROWTH

#### **Key growth motions**

- Online sales is product led and zero touch with customers
- 2) Inbound assisted sales process of inbound customer requests, inspire and nurture
- **3) Key account development** actively building customer relationship, activate and expand

# **ACCELERATING 45,000 CUSTOMER JOURNEYS**









ENTERPRISE USAGE

Product led and zero touch

Inbound request processing, inspire and nurture

**Actively developing key accounts** 

# PRODUCT LED AND ZERO TOUCH GROWTH

Increase conversion of casual users to professional plans - onboarding

Increase product usage to drive expansion and retention - use case adoption

**Stimulate viral growth -** collaboration, participant experience

+20%
Conversion rate
Avg., L12M



## **SCALABLE INBOUND MODEL**

#### Yields multiseat accounts in all industries across all geographies



2.5x
Invoiced revenues since 1021 (L12M)

+1,000

Deals closed quarterly since 4022

**54/46**~Even US / global sales in 1023 (L12M)

# CASE STUDY: META

**Industry:** Technology

Location: Global

**Use case:** Multiple use cases including product training, presentations and meetings. Viral growth across markets to reach 1,100 centrally managed licenses today.

Why Kahoot!: Adds engagement to meetings and presentations

## **DEVELOPING KEY ACCOUNTS**

# Efficiently growing customer relationships into enterprise accounts

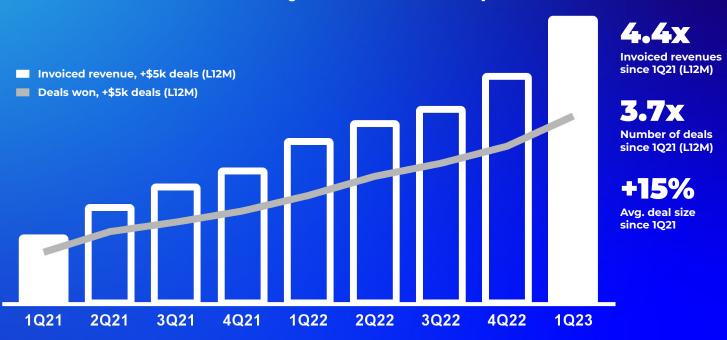
- Focus on existing users at key accounts across +45,000 organizations globally.
- Leveraging **high-precision user scoring** and efficient sales **playbooks**.
- Inspire to drive consolidation, activation and expansion of existing license usage.
- Cross-selling into global affiliates and different budgets e.g. marketing, sales, HR, frontline workers.
- Open doors to introduce new products.



Example new deals with key accounts in 2023

## **DEVELOPING KEY ACCOUNTS**

#### Kahoot! key account development







# GROWTH OPPORTUNITIES AHEAD

Instant audience engagement 'Ease of use,' new user segments, higher frequency of use

Engaging corporate learning
Strengthened asynchronous value
proposition enables employee licensing

#### Non-desk workers engagement Combined communication & learning value proposition for non desk workers enables

proposition for non desk workers enables largest accounts





# INSTANT ENGAGEMENT

- New experience for spontaneous usage
- Ready to use, editable activity templates
- Productivity benefits with AI assisted creation (currently 30 minutes to create a typical kahoot)
- Increased frequency of use for all recurring use cases
- Premium offering, free to try out
- Targeting multiple users in one team

#### Commercial - opportunities



Record

Chat

Log in

Start



What should the new product be called?

+ Add



### Kahoot!

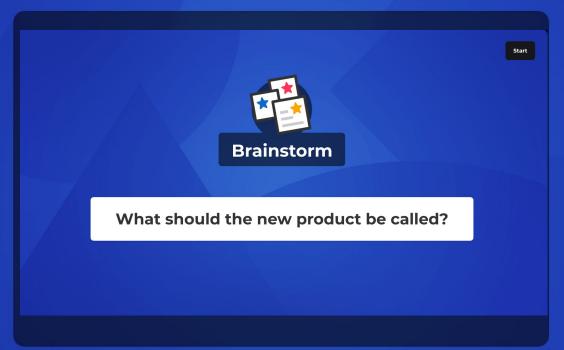


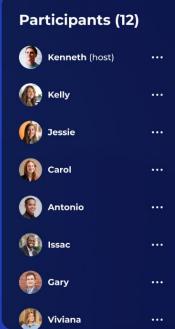
By scanning the QR

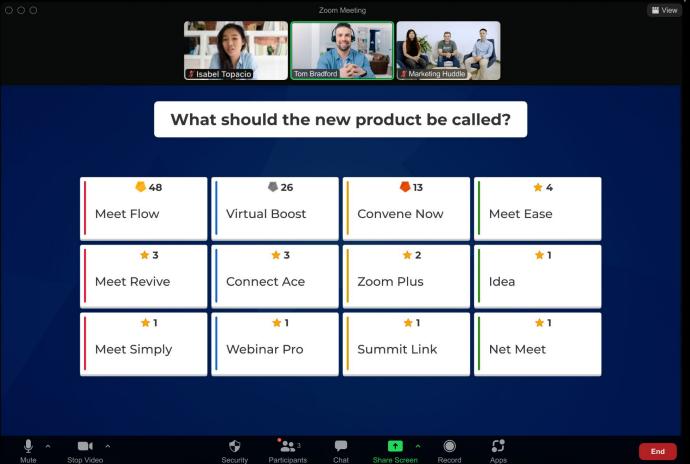


Or go to kahoot.it and use game PIN:

815 493







### THERE HAS NEVER BEEN A GREATER NEED FOR ENGAGING CORPORATE LEARNING

- **60%** of the **workforce** will be **reskilled** by 2027\*
- 1 in 3 online learners say they are often disengaged\*





**Industry:** IT Consulting

Location: Global

Use case: The Learning & Development team at Avanade use Kahoot! remotely as part of the Microsoft Fundamentals Accelerator training program to ensures that new and existing Avanade employees have the necessary Microsoft certification to perform their roles

Why Kahoot!: improved learner engagement and enabled collaborative learning by leveraging their Subject Matter Experts. Certification rate doubled after implementing Kahoot!





# NON-DESK WORKERS HAVE BOTH COMMUNICATION & TRAINING NEEDS

- 80% of frontline workers do not have an email address
- **\$40bn market for learning** by 2027 (2x current level)



**Industry:** Facilities management

Location: Global

**Use case:** Communication, onboarding and upskilling of 50,000 non desk workers across 16 markets

Why Kahoot!: "The distance between the leadership and the restaurants has shrunk. It's now much more of a two way communication and that's an important building block in strengthening our culture"

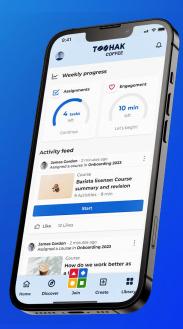


# INTRODUCING KAHOOT! 360 ENGAGE

Engagement at every employee's fingertips

- Engaging corporate learning bite sized, live or self-paced
- Engaging communication for non desk workers - live or self paced
- Corporate branding throughout the experience
- Increased **productivity** via Al assisted creation tools
- From \$5/mo per employee for larger organisations





### Product lead growth:

Everything starts with product usage





### **Engaging corporate learning:**

Kahoot! 360 Engage is our strongest corporate learning offer ever

### Live audience engagement:

Ease of use for customers means more value for Kahoot!





### Non-desk workers engagement:

Integrated solution for learning and communication.



>60% of educators in the US and >25% of all educators in OECD countries turned to Kahoot! to make learning awesome for their students in the last 12 months

Kahoot! INVESTOR DAY 2023



# PLAYFUL, POWERFUL, LEARNING EVERYDAY

For students: A student-led learning approach

"I'm learning while playing a fun game"

For educators: An enhanced teaching toolkit

"Kahoot! helps me engage students in class"

For schools and institutions: Engagement at scale

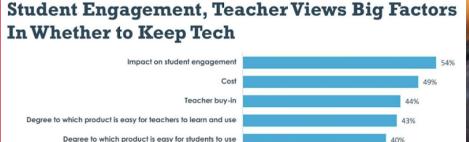
"Collaboration between teachers has been huge for us."

# LEVELING UP STUDENT ENGAGEMENT

Student engagement remains job #1

- >1.2 billion student players from teacher hosted kahoots in the classroom in the last 12 months
- Teachers consider student engagement as the biggest hurdle in their profession\*
- Impact on student engagement more important than cost for administrators\*\*





Impact on student test scores

### LEVELING UP STUDENT ENGAGEMENT

Student engagement remains job #1 & enhanced for back to school



Cubs have spots on their exist, but lose them as thoughout the spots of the country or color.

- Boost game variety with new student-led game modes
- Nurture student engagement with class rewards and collectables
- Enhance the experience with upgradable game packs including customisable characters, skins and more in Kahoot!+ and Kahoot! EDU



# EMPOWERING STUDENT LED LEARNING

More than play. Students are creating, presenting & studying with Kahoot!\*

- >10 million active student accounts in the last 12 months
- More than half (51%) of students use Kahoot! for study, presentations and assignments\*
- Holistic teaching designed to help learners develop self-reliance, critical thinking and lifelong learning skills

#### **EMPOWERING STUDENT LED LEARNING**

More than play. Students are creating, presenting & studying with Kahoot!\*

- Motivate students to review on their own with new solo game modes
- Develop future-ready skills like communication and collaboration with new team activities
- Enhance kahoot creation with student passes in Kahoot!+ and Kahoot! EDU







# ENHANCING THE TEACHING TOOLKIT

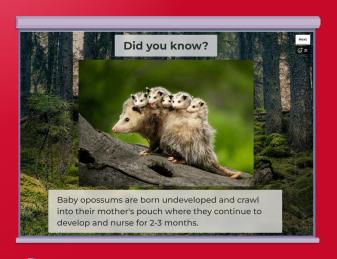
Giving educators teaching superpowers!

- Teachers have created >1 billion kahoot questions over 10 years
- **8.5 million teachers** on the platform in the last 12 months
- >450K teachers (5%) had paid subscriptions at the end of Q1-23



### ENHANCING THE TEACHING TOOLKIT

Giving educators teaching superpowers!



- Bring interaction to instruction with player reactions
- Capture teachable moments with spontaneous quick launch sessions
- Deliver full lessons and assignments that combine kahoots, content and activities with courses







# IMPROVING EDUCATOR PRODUCTIVITY

Saving educators precious time and energy

- Over a third of teachers say the one thing would help them most is more time\*
- Teaching staff shortages and larger classes are becoming the norm
- School district leaders expect the demand for substitute teachers will grow\*\*
- Teachers have searched >200 million times for ready-to-play kahoots in the last 12 months

<sup>\*</sup>Source: Kahoot! survey
\*\*Source: EdWeek Research Center

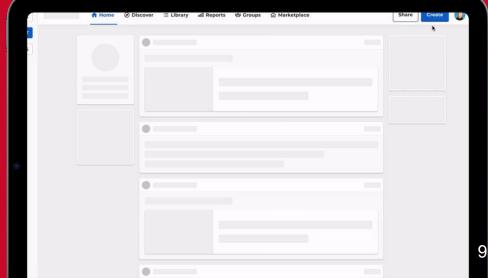
#### IMPROVING EDUCATOR PRODUCTIVITY

Saving educators precious time and energy



Al helps me improve my kahoots, create new ones, and also encourage other teachers to use the platform because of its simplicity

- Introduce content channels where educators subscribe to get new kahoots and courses
- Offer convenient one-click kahoots that combine premium content and game experiences
- Launch Al-assisted creation enhanced with Kahoot! + and Kahoot! FDU



### **SCALING UP K-12** INSTITUTIONAL **ENGAGEMENT**

- 6 in 10 educators influence buying decisions in their district\*
- #1 purchasing concern for admins are purchases that sit on the shelf and don't get used\*

Education | For institutions "Getting a Kahoot! EDU site license has helped us empower our educators with the tools to collaborate and engage learners both in class and at home." Jonathan Tepper, Executive Director of Information & Learning Technology at Greenwood College School

Free teachers

**Upgraded teachers** 

**Upgraded schools** 

**Upgraded districts** 



#### **SCALING UP K-12 INSTITUTIONAL ENGAGEMENT**

6 in 10 educators influence buying decisions in their district\*

- Offer a free basic version of Kahoot! EDU to all institutions that enables teacher collaboration
- Mass-migrate institutions to Kahoot!
   EDU Basic by leveraging school groups and teacher network effect
- Teachers want an enhanced toolkit: Amplify their buying influence with upgrade requests to admins right inside Kahoot!

FREE TEACHER
COLLABORATION

TEACHERS REQUEST
ENHANCED TOOLKIT

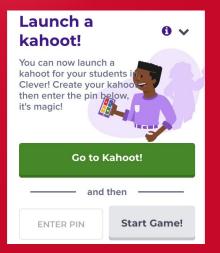
ADMIN
UPGRADES

#### **CREATING VALUE WITH CLEVER**

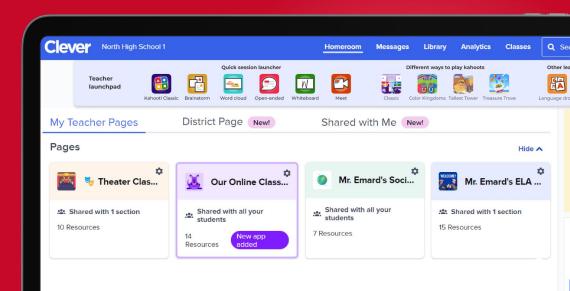
Kahoot! + Clever = Smooth learning and engagement for students and teachers

>75% of US schools on the Clever platform

# Kahoot! quick launch, skip the pin in



## Kahoot! EDU Basic auto-enabled for every Clever district



Kahoot! INVESTOR DAY 2023























Calt

























UNIVERSITY





















skema































































of the global top Yale University 500 universities THE UNIVERSITY OF CHICAGO **I**ILLINOIS are Kahoot!'ing



UNIVERSITY

OF AMSTERDAM

**UCDAVIS** 

Source: The Times Higher **Education World University** 















**Washington** 

University in St.Louis

### **LEADING WITH HYBRID STUDENT RESPONSE**

Post pandemic 59% of students prefer their courses to be completely or partially online\*

- Approx. 10% of teacher user base but represents over 25% of the revenue
- Strong student pullover from K-12 and a strategic stepping stone into professional use in companies and educational institutions
- Near perfect product-market fit for hybrid student system response enabling attendance, participation and lightweight assessment



# STUDY TOOLS AND STUDENT ADMISSIONS



- Energize **hybrid interactive instruction** with quick launch sessions
- Deliver courses with certificates, embeddable in learning management systems
- Empower students with study toolkits with student passes in Kahoot! EDU
- Impactful student recruitment and admissions with full branding of the Kahoot! experience

Education | Higher Education

#### For students:

Level-up
engagement with
student-led
learning and
gamification





For educators:
Upgrade
educators to an
enhanced
teaching toolkit

For K-12 institutions: Scale K-12 institutional engagement and leverage Clever





For higher-ed:
Lead with hybrid
student response,
enhance with
instruction, study
and branding





# MAKE LEARNING! ENTERTAINING!

Combining social entertainment, lifelong learning and premium ready-play content to amplify engagement in all social settings

#### MAKE LEARNING ENTERTAINING!

100s of millions of participants engaging with kahoot in social settings



Entertaining learning with friends and family



Playful and shareable home learning toolkit.



Fast, fun, flexible and social study time

Kahoot! INVESTOR DAY 2023

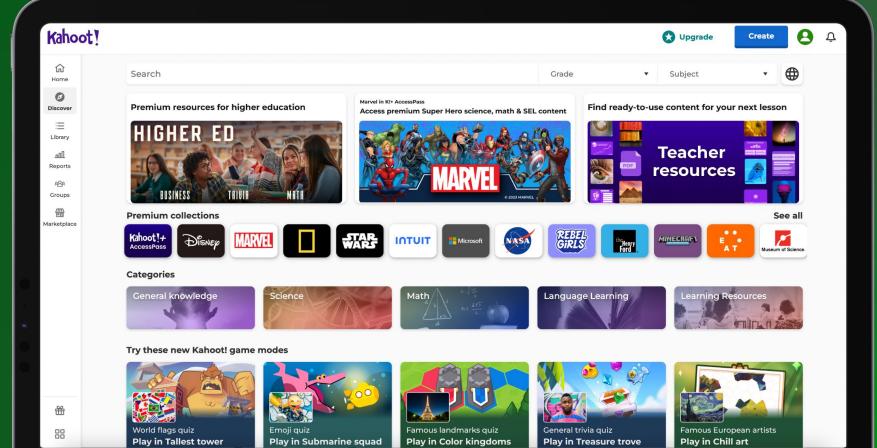
# CONNECTING FRIENDS & FAMILY

through fun, social engagement

- Kahoot!+ combines social entertainment, family learning and premium ready-to-play content from \$7.99/month
- 140 million kahoot sessions have been hosted by users for social gatherings and learning



#### **IMPROVED DISCOVERABILITY OF CONTENT**



# CONNECTING FRIENDS & FAMILY THROUGH FUN, SOCIAL ENGAGEMENT

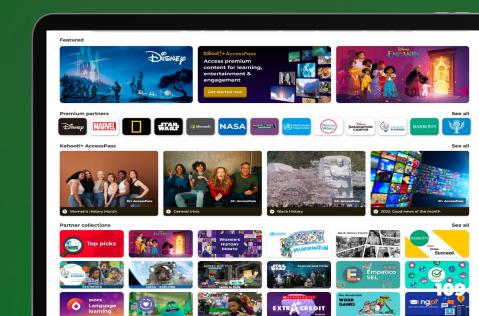


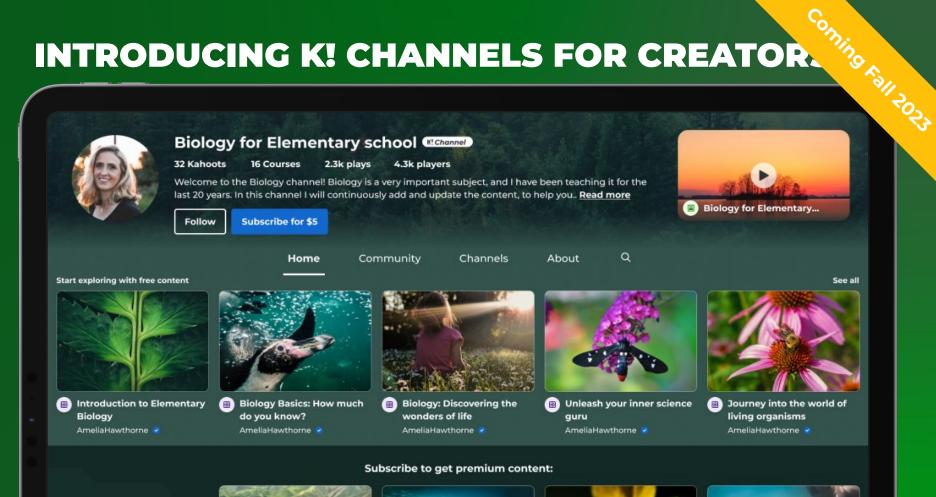
- Increase engagement at special events with event templates for specific use cases
- Al assisted content creation for great trivia nights
- Instantly host awesome game nights with ready- to-play premium content from trusted publishers and partners

# GREAT CONTENT FROM VERIFIED CREATORS

Boosting user engagement for all Kahoot! users

- Always up-to-date, relevant content across all topics and languages
- Allowing users to tailor learning experiences to their needs based on verified content
- Can reach and impact all K! users through both free and paid content





Recently added

### **AMPLIFYING & ACCELERATING ENGAGEMENT** WITH PREMIUM CONTENT



Grade 6-8 Math

#### What's included

- · Exclusive access to all kahoots and courses
- · New resources added monthly
- · Ask questions and join the creator's community

Subscribe - \$5/month

By subscribing to this channel, you agree to Kahoot!'s terms and conditions.

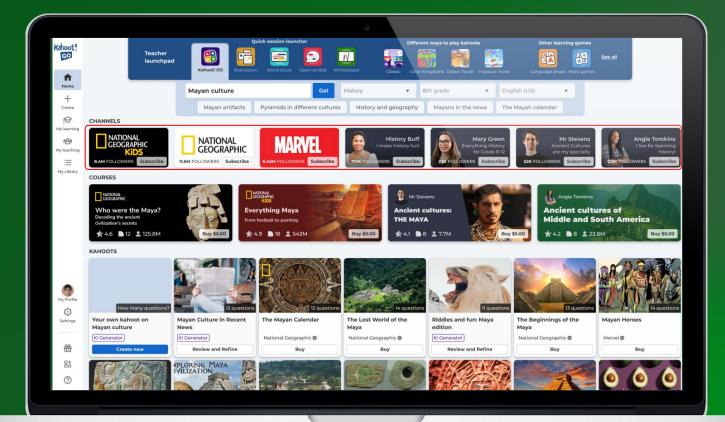
- **Approach:** Enable content creators to monetize their high-quality learning resources
- **Content creators:** Verified creators, publishers, domainand subject-matter experts
- **Buyers:** All Kahoot! users globally incl. individuals, teachers, students and business users
- **Content offering:** High-quality learning resources including Kahoot! course

>9,000 verified creators

Verified creators in >140 countries

**Premium content in** >30 languages

#### **K! CHANNELS FOR PARTNERS**



High-quality, ready-to-use content from partners

Comprehensive content inventories, supporting additional content formats

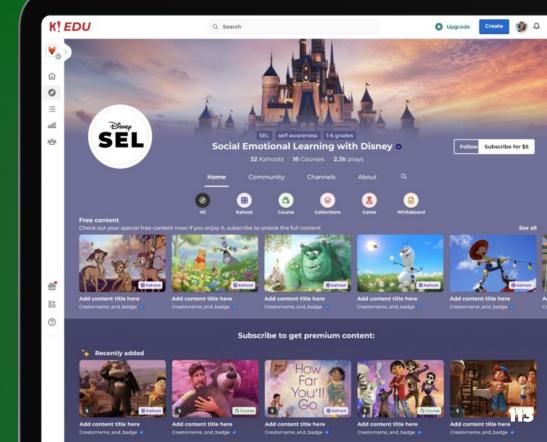
Free or via Channel subscription

K! CHANNELS = SEAMLESS ACCESS FOR KAHOOT! AUDIENCES

>60 premium publisher partners

**69M** sessions premium content LTM

>290M participating players premium content LTM



# AMPLIFYING USER ENGAGEMENT WITH PREMIUM PARTNERS



Our partnership with
Kahoot! provides us with
an incredible opportunity
to reach students where
they are on a platform that
is widely used in classrooms
with great success.
Kahoot! allows us to
expand our mission to
make high quality science
learning accessible to
everyone."

Tim Ritchie
President, the Museum of Science

# HUNDREDS OF MILLIONS HAVE PARTICIPATED IN PARTNER-CREATED KAHOOTS



Learning should be fun, and education platform Kahoot! has done just that with billions of participants through a combination of content partners like Disney, NASA, and the World Health Organization."

Fast Company



































#### **MORE FREE-TO-ACCESS CONTENT & EXPERIENCES IN 2023**



#### **STUDENTS**

- Career exploration content
- **Higher Ed** institution content
- Partner gamepacks

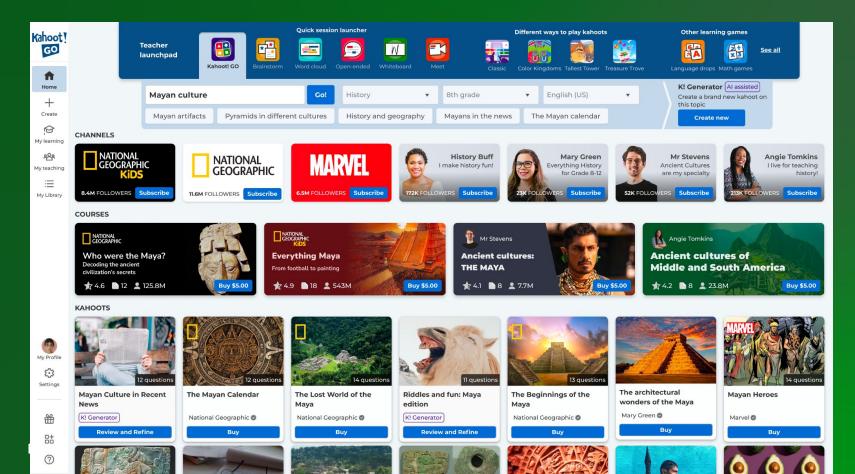
#### **EDUCATORS & PROFESSIONAL DEV'T**

- PD content
- Digital Course certificates

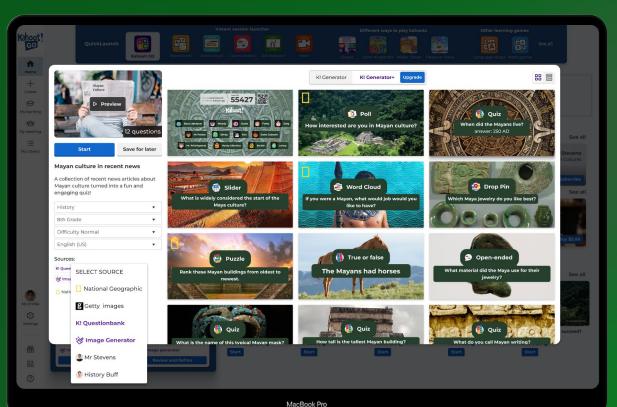
#### **KIDS & YOUNG STUDENTS**

End-to-end partner-branded gameplay experiences

#### **ALL CONTENT & EXPERIENCES AVAILABLE**



# ADDED VALUE FOR KAHOOT! USERS & NEW OPPORTUNITIES FOR PARTNERS – POWERED BY AI



Educators and learners will create, study and learn from partner content in new ways

Kahoot! will enable publishers to repurpose existing content

Kahoots and presentations created from publisher content **in a few simple clicks** 

# DEEPENING EXISTING PARTNERSHIPS FOR MAXIMUM VALUE









- Free-to-play content
- Kahoot!+ Access Pass
- Kahoot! Kids

- Free-to-play content
- Kahoot!+ Access Pass

- Free-to-play content
- Distribution via partner website

- Product innovation
- Content
- Advocacy

More opportunities being explored in 2023

#### MAKE LEARNING ENTERTAINING!

100s of millions of participants engaging with kahoot in social settings



Entertaining learning with friends and family



Playful and shareable home learning toolkit.



Fast, fun, flexible and social study time

### UNLEASHING KIDS' LEARNING POWER THROUGH PLAY

• **27 million** active young learners on K! platform or K! app LTM

64

Parent



## A universe of learning apps for young learners



**Numbers** 



**Big Numbers** 



Geometry



**Algebra** 



Algebra 2



Multiplication

Kahoot! Kids includes apps for learning math, learning to read

and cognitive skills from \$3.99/month





Learn to Read Learn Chess



Kahoot! Kids



# UNLEASHING KIDS' LEARNING POWER THROUGH PLAY





- More engaging learning for children with enhanced game experiences
- Develop key skills while having fun, with personalised learning paths based on children's interests and needs
- Parent engagement in children's learning with learning progress reports and kid friendly content creation



# LEARNING & STUDY FOR STUDENTS

• **25 million active students** on the platform and apps LTM

66

I use Kahoot with my friends to study- it totally works and makes me actually want to learn, study and succeed at school."

Student

# NEW SOLO GAMES TO ENGAGE STUDENTS

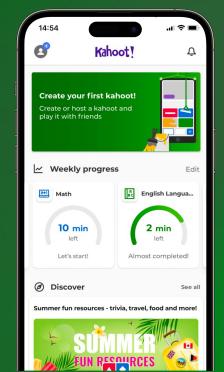
>70M
participants played
new game modes

 New engaging ways for students to study at their own pace



### **LEARNING & STUDY FOR STUDENTS**

- Personalize weekly learning goals and unlock all study modes with Kahoot!+
- Reward system connected to study goals to motivate students to study regularly
- Al assisted explanations to deepen understanding while learning

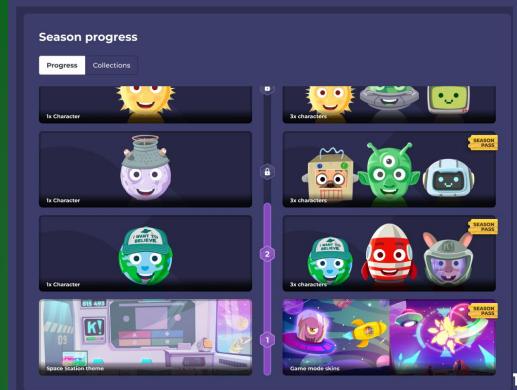




### **INTRODUCING K! SEASON PASS!**



Boost engagement by unlocking new characters and game mode skins. New characters will be available to unlock through engagement, and users with Season Pass will be able to unlock more, including save favorite character



**Kids:** Unleash kids' learning power with enhanced game play & personalised learning paths





**Students:** More engaging study with enhanced learning goals, and a reward system motivating regular study

Social: Increasing usage & value through easy creation and ready to play content for awesome game nights





Premium content & partners: Amplify & accelerate engagement through premium content

### **EXECUTIVE SUMMARY**

- Positive trend shift in activity on platform on a like-for-like basis YoY last three months, post-pandemic
- Strong development in both number and size of key account deals
- Continued adoption of new paying apps on the Clever platform is driving annual growth, currently at ~20% YoY
- Targeting >20% annual average growth in billings in the period 2024-26, with majority of growth coming from professional user categories
- Targeting ~40% cash EBITDA margin on group level by 2025, including Clever
- Preparing for a secondary listing in the U.S. (Nasdaq) in 2024
- Launching a host of AI based features for both creators and learners, amplifying the signature Kahoot! experience

• Introducing Kahoot! GO for simplified and instant engagement

# Case Currywurst: What would be our main arguments against ABBOTT? Cervical Cancer Screening is not HPV testing only! Performance of Alinity m high risk HPV is still to be demonstrated Case Currywurst: What would be our main arguments against Only Hologic can provide full & automated co-testing service Valuability only Hologic can provide full & automated co-testing service

# KAHOOT! INVESTOR DAY

Kahoot.com/investor