REIMAGINING EDUCATION

TREND DROPS

JUL 2023

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REIMAGINING EDUCATION

JULY 2023

Education is undergoing a remarkable transformation in response to the ever-evolving needs of a rapidly changing world. The educational landscape has shifted from a static and traditional position to embrace more dynamic, contemporary and technological environments and experiences.

As the nature of work also has evolved rapidly, education players are responding to this shift by offering educational settings, tools, and courses towards a more transformative, empowering and lifelong learning experience.

As automation escalates, education systems have moved from a technocratic and slow posture to a more dynamic, humane and creative approach to help future generations navigate change and uncertainty.

Teaching and learning are now oriented to promote critical thinking, problem-solving, creativity, adaptability, collaboration, and digital literacy to equip present and future generations with future-proof skills.
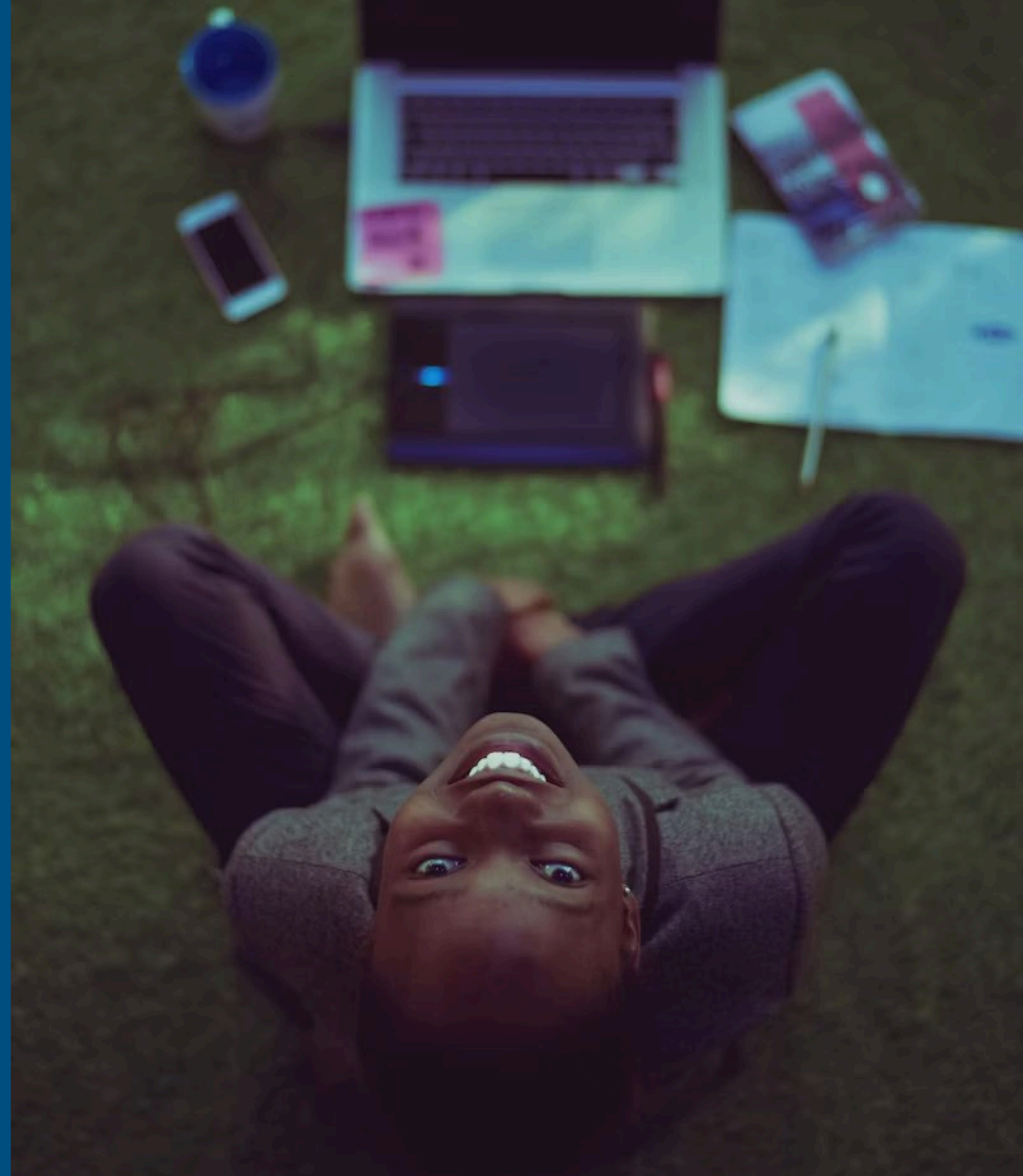
INTRO

#LIFELONG LEARNING
#SOFT SKILLS
#ADAPTABILITY
#TRANSFORMATIVE EDUCATION

"It's not enough to give learners knowledge; you also have to give them a way of transforming knowledge into action."

Allan Kjær Andersen,
Director at Chaman Bhartiya School

"In Australia, the student base is far more diverse and institutional settings need to adapt their offerings to young people and their choices in what they're learning, how and when they learn, and where they learn."

Andreas Schleicher,
OECD's head of education and skills.

"The biggest game changer would be to actually allow teachers and students to choose what kind of information, what kind of solutions, what kind of edtech they want to use, based on what motivates them. I think that could help generate renewed enthusiasm around education."

Thor Ellegaard hub director, EduHub and previous board member, Danish Learning Analytics Network, Denmark

Recent research revealed that the skills that will matter the most by 2030 in order of magnitude are: technological skills, social and emotional skills, and higher-level cognitive skills (McKinsey Global Institute).

In a scenario of increasing automation and technology, more human skills are in the spotlight. Critical thinking, leadership, adaptability, creativity, emotional awareness and collaboration became mandatory for individuals who want to be prepared for a rapidly changing world.

Emerging technologies such as AI, machine learning and immersive tech became powerful allies for revolutionary education, turning the learning process more individualised, adaptive, interesting and interactive. For instance, expenditures for AI by schools are expected to grow from $2.13 billion in 2022 to $25.77 billion in 2030 (P&S Intelligence).

HUMAN-CENTERED EDUCATION

SIGNALS OF CHANGE

creativity

was the most demanded skill by the 20 million jobs ads in LinkedIn between 2019 and 2021.
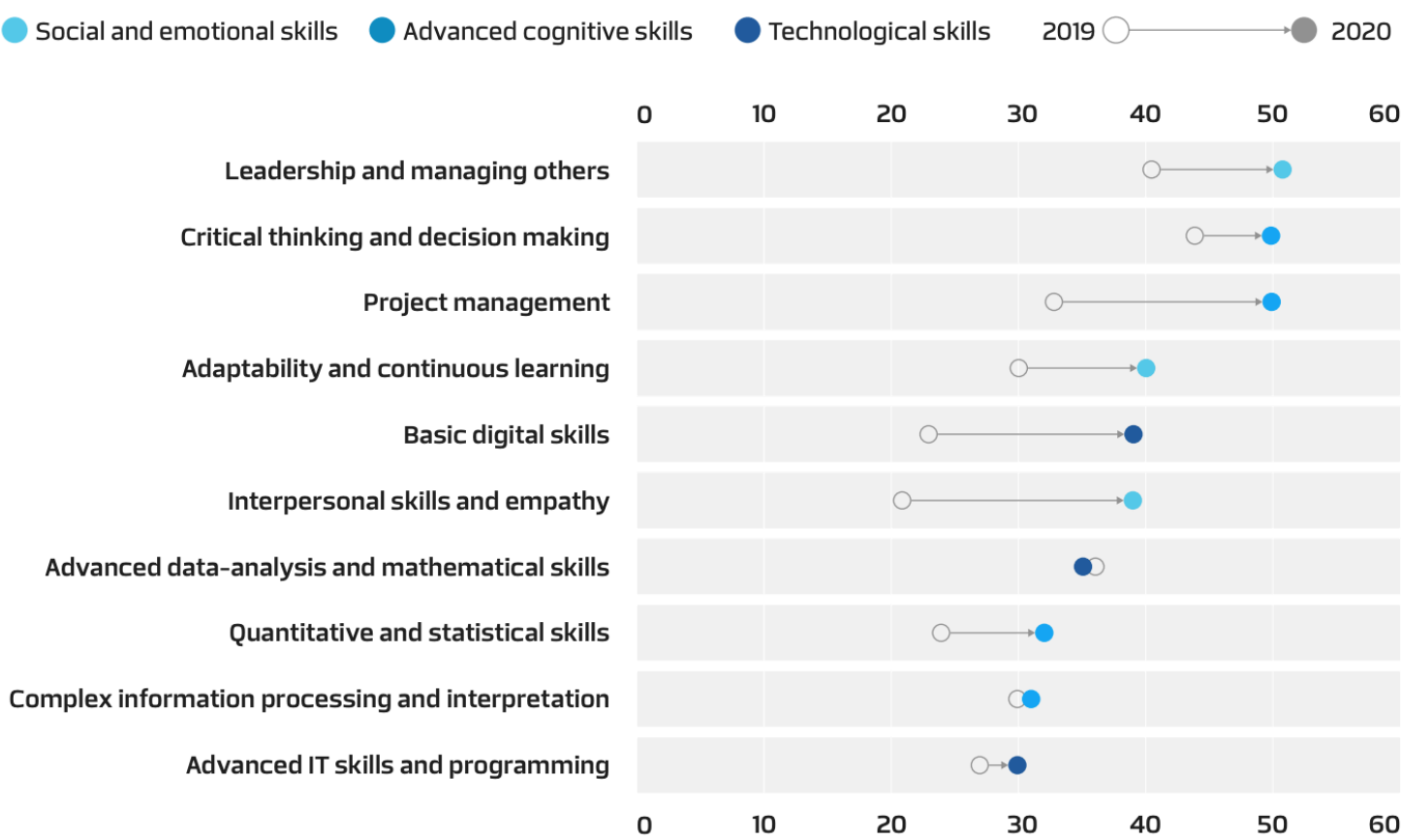
LinkedIn Research

40%

(Expert market Research)

is the projected growth of the global virtual reality in education market ibetween 2021 and 2026.

Companies Are Largely Focused on Developing Social, Emotional, and Advanced Cognitive Skills

Skills that companies have prioritized to address through reskilling,¹ % of respondents

● Social and emotional skills ● Advanced cognitive skills ● Technological skills 2019 ○———● 2020

	0	10	20	30	40	50	60
Leadership and managing others							
Critical thinking and decision making							
Project management							
Adaptability and continuous learning							
Basic digital skills							
Interpersonal skills and empathy							
Advanced data-analysis and mathematical skills							
Quantitative and statistical skills							
Complex information processing and interpretation							
Advanced IT skills and programming							

i. Out of 25 skills that were offered as answer choices; n = 700.

Source: Building workforce skills at scale to thrive during – and after – the COVID-19 crisis, McKinsey, 2021.

A remarkable pace of technological innovation has had strong implications for the job market. There is a demand for upskilling professionals in mid and senior-careers to respond to emerging professions and positions. Employment has been seen impacting roughly 30% of the global workforce and by 2030, approximately 85 million jobs could go unfilled globally because of a lack of applicants with the right skills (McKinsey).

In a context driven by change and adaptation, we can observe the emergence and growth of EdTech companies and micro-credential courses created to equip students with high-demand skills in a new world of work.

SKILLS REVOLUTION

SIGNALS OF CHANGE

70%
World Economic Forum

of Australian employers were seeking to reskill workers in less than six months.

87%
World Economic Forum

of companies worldwide reported experiencing skill gaps.

78%
LinkedIn Research

of employees are concerned they lack the skills required to advance their career.

60%
World Economic Forum

of employers have identified shortage of skilled talent as the top barrier to business transformation over the next 5 years.
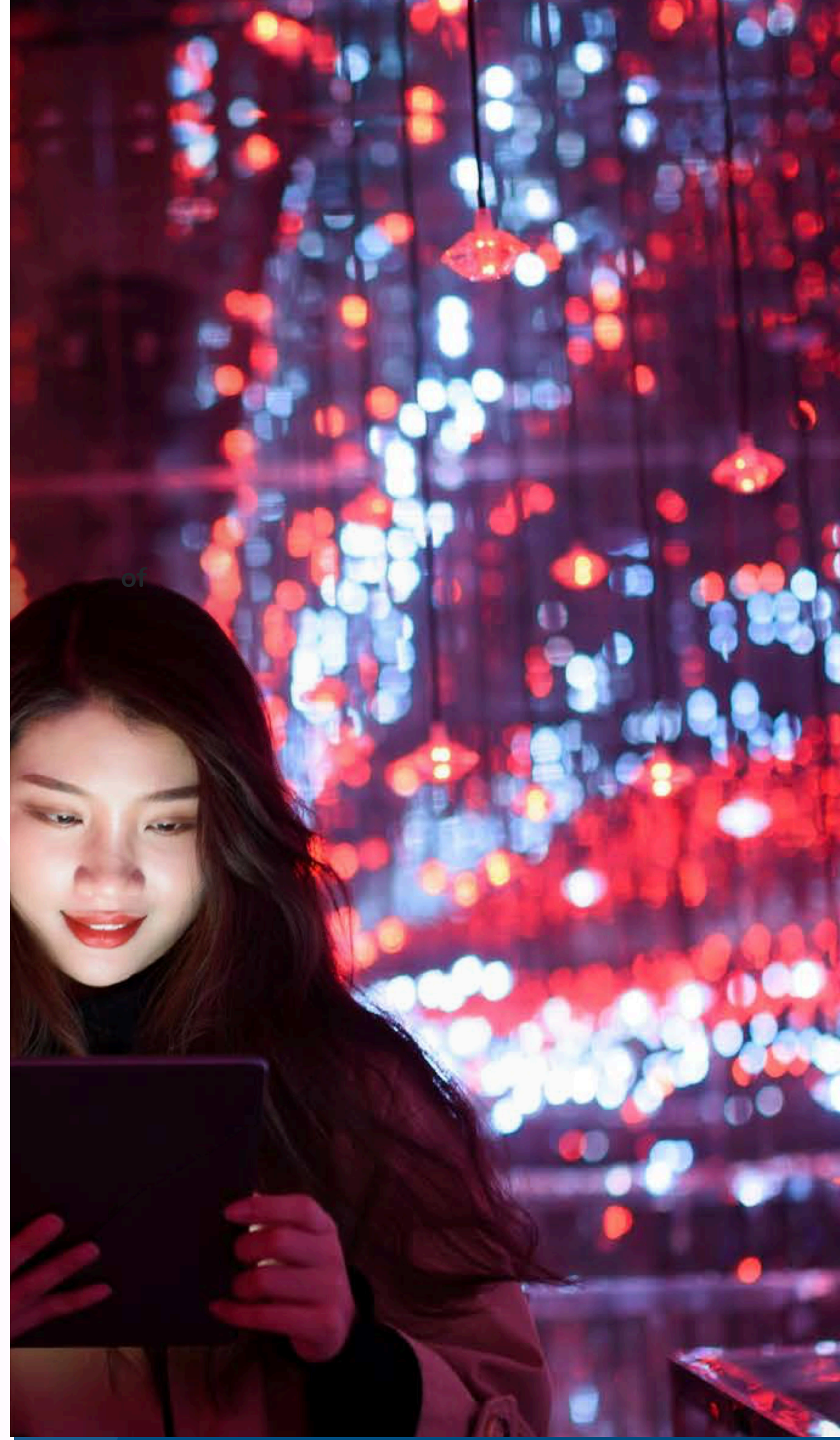
A shift from traditional to more informal approaches in education is in course and facilitated by technology. The popularity of social media as partners for self-paced learning - in particular, TikTok and Youtube is increasing. On TikTok, the hashtag #LearnOnTikTok currently has over seven billion views.

Such platforms became powerful educational tools because they are both a learning platform and a social network. In recent years, TikTok, YouTube and Roblox have all launched learning tools that structure, organise, curate and popularise educational content.

INFORMAL LEARNING

SIGNALS OF CHANGE

40%

EY

of Gen Z workers do not believe the subject focus or teaching methods in their education will successfully prepare them for life in 2030.
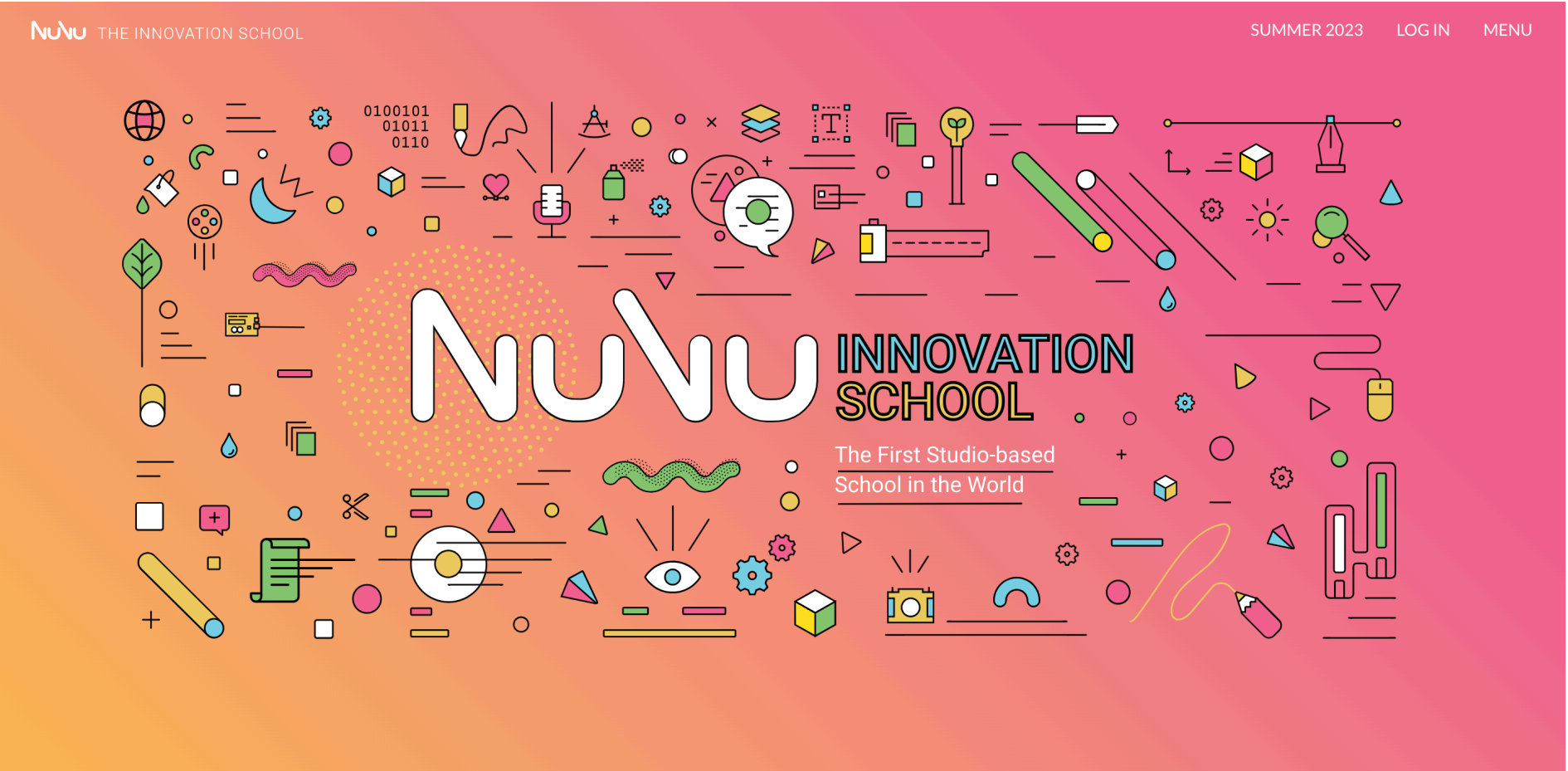
93%

YouTube

of YouTube users use it to get educated on something.

360 billion

is the number of views of content under the hashtag #LearnOnTikTok.

The Leap

NuVU

NuVu is a school where the curriculum is formed by studios, a series of 3-4 week immersive interdisciplinary projects. Each studio is designed around timely topics that connect fields and disciplines. Working on open-ended problems, students deepen their critical thinking skills, express their creativity, and engage in a learning process built on hands-on exploration, developing foundational skills as students learn to navigate uncertainty, collaborate effectively, build empathy and communicate their ideas effectively using a variety of media.

Learnlife

Learnlife in Barcelona is a school for learners aged 11–18. It proposes a self-directed journey of learning and exploring passions and skills. Learnlife created a learning paradigm of 21 elements that support learning experiences that involve body and mind. One of the elements, for example, is ensuring the emotional, physical and digital well-being of children. Students say Learnlife unleashes their creativity, makes them feel welcomed and heard, and helps them get a clear idea of who they want to be, instead of focusing only on what career they want to pursue.

Preparing the Community
Alliance | Purpose | Vision & values | Positive relationships | Growth mindset | Culture & vision | Learning culture

Implementing the Model
Well-being | Personal learning | Methodologies | Competencies | Learning design | Online & blended | 360° assessments

Supporting and Sustaining the Model
Learning vitae | Learn programmes | Creative environment | Digital platforms | Creative resourcing | Research & envisioning | 5 life dimensions

#ENGAGING AND SUPPORTIVE
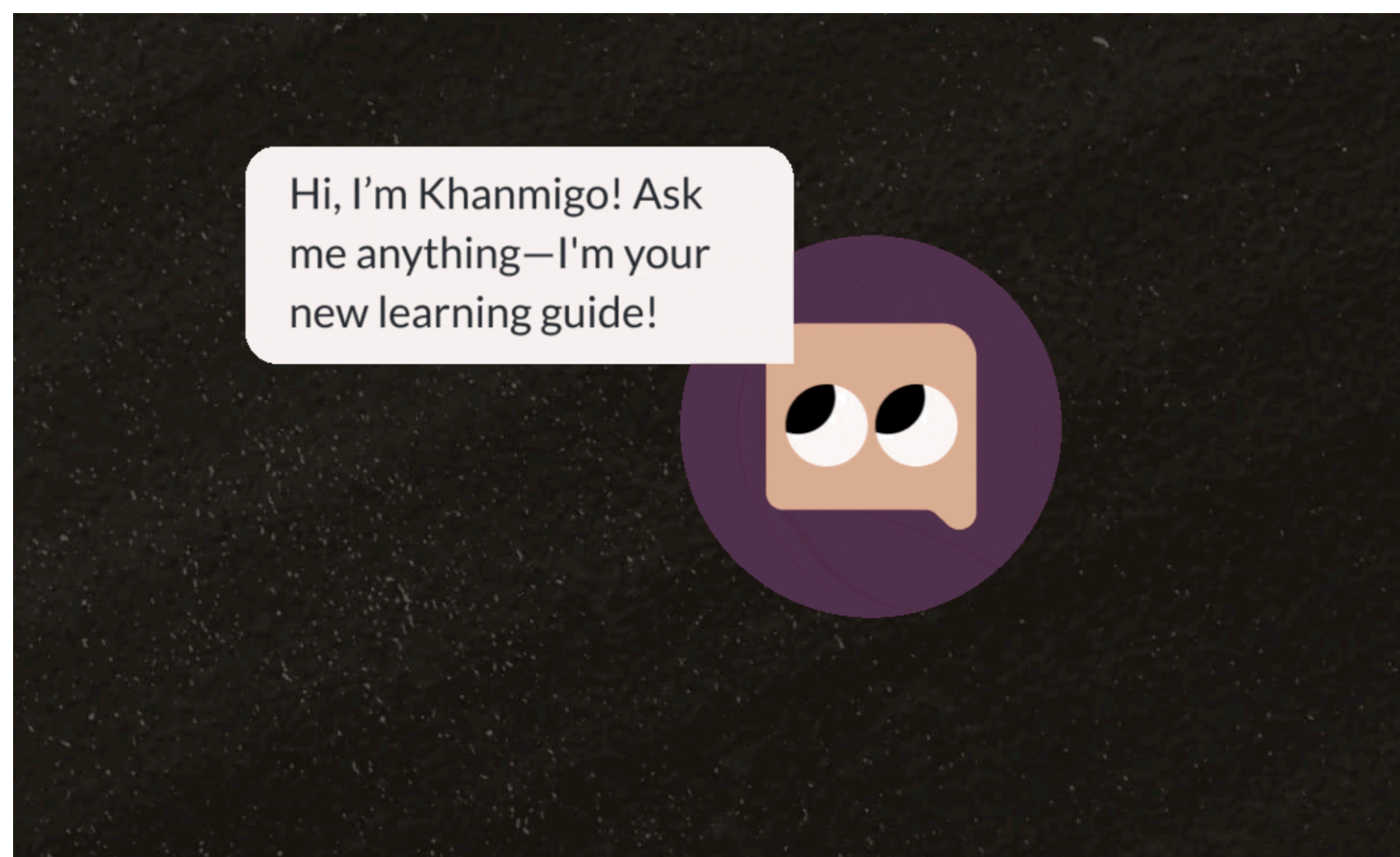#SKILLS FIRST
#SOCIAL SKILLS

IMPACTS

Soapbox Educate

Companies like Microsoft and SoapBoxLabs are envisioning a world where students can learn to read entirely via computer. Using AI speech recognition technology, the companies claim, these digital platforms can listen closely to a student reading. Then they can identify trouble spots and offer help accordingly. Built in the service of teachers and students, Soapbox Educate is a voice technology that understands every phoneme spoken by a child, regardless of age and academic ability, dialect, or accent. SoapBox can be used, for example, a voice-enabled educational game, in which a child gets real-time feedback on how they pronounced a word, phrase, or sentence. On Also, SoapBox provides teachers or educators a rich and granular data on a child's reading progress.
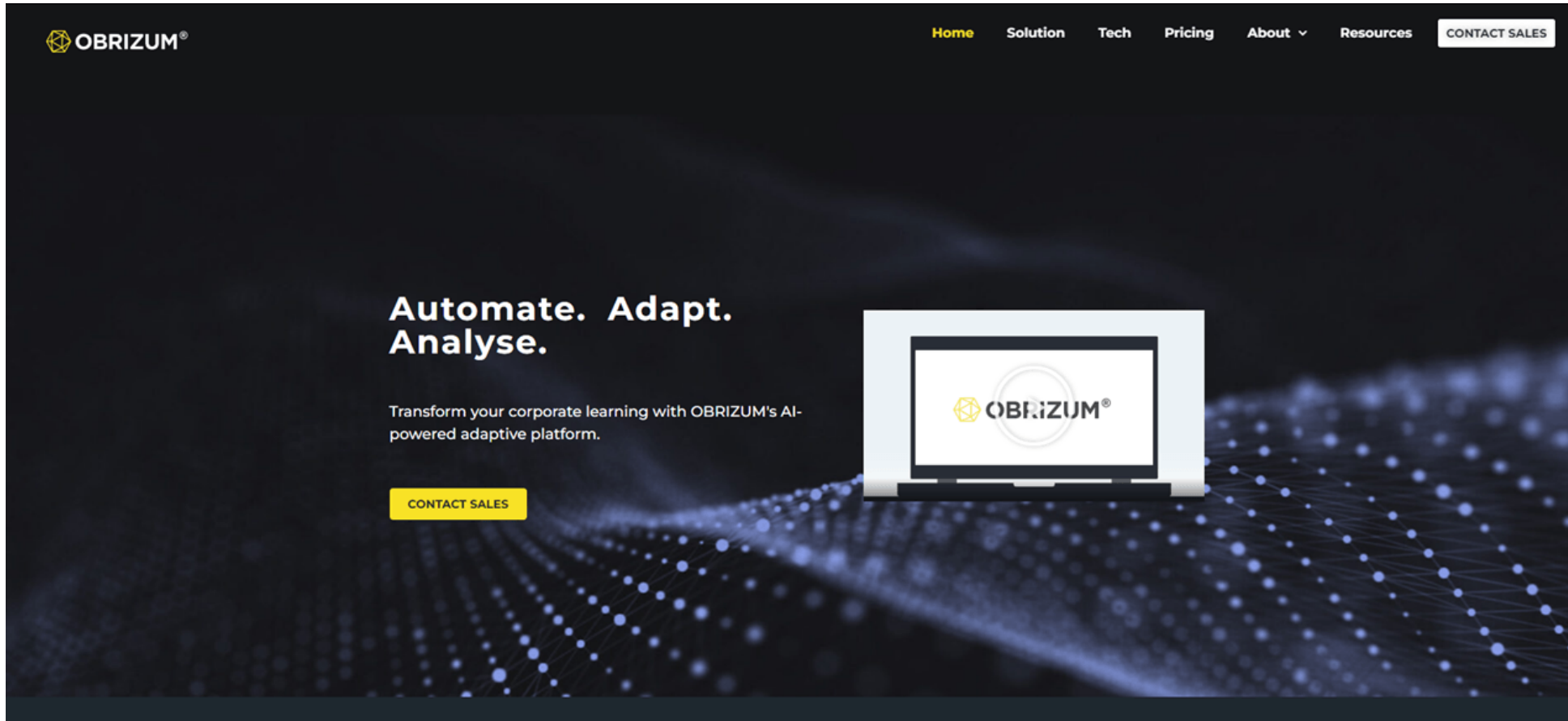
Khan Academy

Khan Academy is a popular online learning nonprofit organisation that recently developed an experimental AI - assisted tutoring bot for schools called Khanmigo. Students can use it to take math quizzes and practice vocabulary words, for example. The tutoring bot also offers playful, free-form features. Students can chat with a simulated fictional characters like Lady Macbeth or Winnie-the-Pooh. Khanmigo can mimic a writing coach by giving prompts and suggestions to move students forward as they write or also it can give real-time feedback to help learners to code and hone their computer science skills.

#SELF-LEARNING
#REAL-TIME FEEDBACK
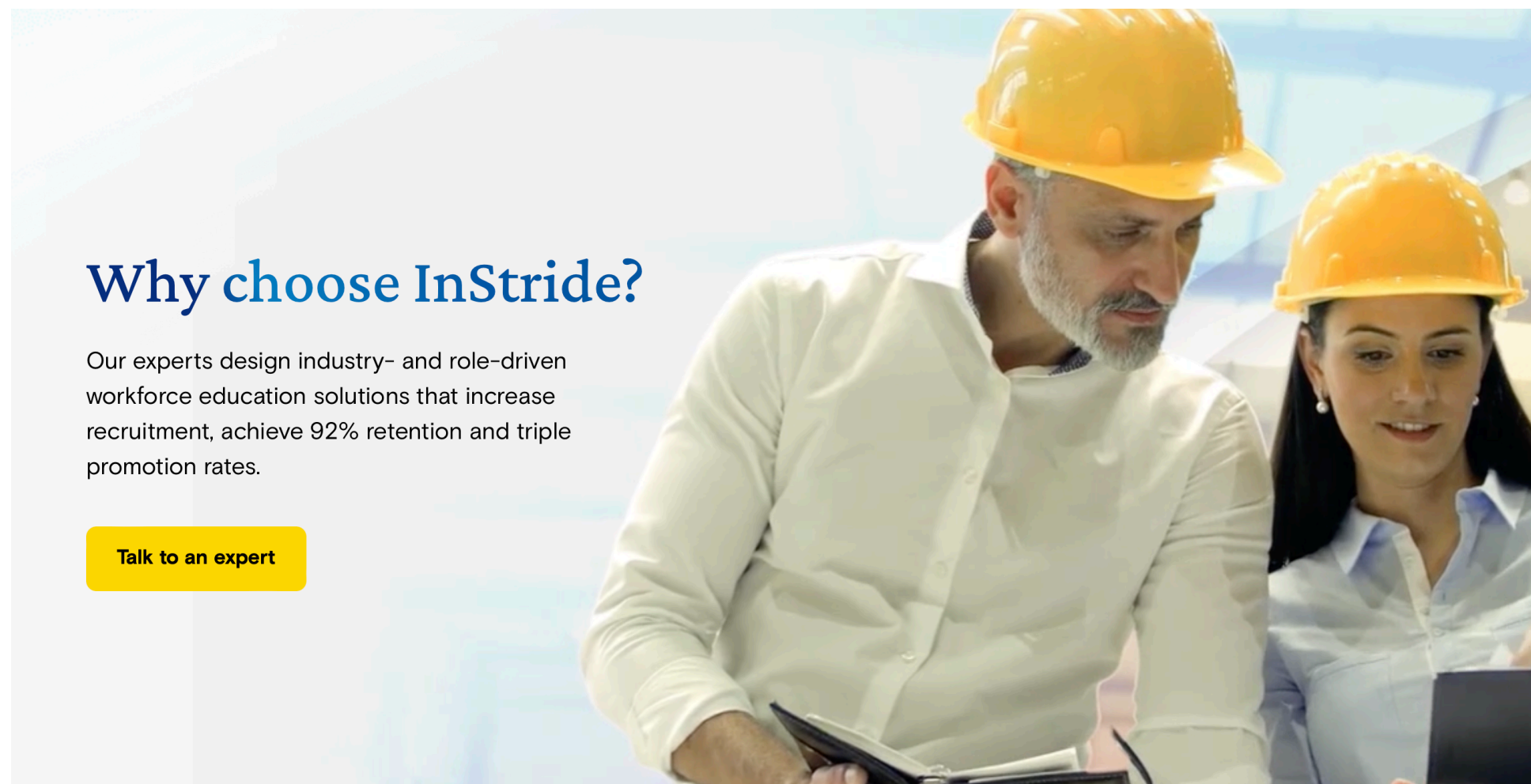#AI AS A LEARNING COACH

IMPACTS

Obrizum

Obrizum emerged as a business to fight against the one-size-fits-all linear learning. It is a learning solution that helps organisations in any sector to automatically create, deliver, and monitor fully-adaptive, non-linear digital learning courses, at scale. The company is focused on bringing new greater agility to the creation, delivery and measurement of digital learning and to help large organisations upskill and retrain staff by employing AI to analyse and curate adaptive and tailored training programmes.

InStride

With a focus on vocational education and training alongside traditional academic, InStride offers strategic workforce education that connects business and workforce goals to power growth. In 2022, InStride partnered with Amazon to give third-party contractors the opportunity to participate in employer-sponsored upskilling programs.

#UPSKILLING
#TAILORED AT SCALE
#ADAPTING THE WORKFORCE
#EMPLOYERS AS LEARNING PARTNERS

IMPACTS

EduTokXCampus

TikTok collaborated with leading education institutions such as Narsee Monjee College of Commerce and Economics and Indian Institute of Technology-Mumbai, and Kelkar to engaged with the student community from prominent colleges encouraging them to create meaningful content on TikTok across themes such as education, motivation, health and wellness.

IMMERSIVE
LANGUAGE
LEARNING

"This is a tool that you use to practice and improve your fluency in a real-life scenario, without feeling self-conscious in front of a native speaker.

It enables us to get rid of classroom walls and connect with the outside world."

Head of Languages
Methodist Ladies' College (Melbourne)

ImmerseMe

ImmerseMe is a VR-powered immersive language program that offers students the opportunity to engage with native speakers in real-life scenarios through VR headsets. It proposes a cultural immersion through a cinematic experience that keeps students genuinely engaged and encouraged in learning.

#UPSKILLING
#TAILORED AT SCALE
#ADAPTING THE WORKFORCE
#EMPLOYERS AS LEARNING PARTNERS

IMPACTS

TAKEAWAYS

01
USE TECH FOR AN IMMERSIVE AND TAILORED EDUCATION

The integration of technology into the learning process is a big ally for enhancing engagement, personalisation, and accessibility in education. Interactive online platforms and educational apps that rely on artificial intelligence can benefit learners with more tailored and interesting experiences that respond to individual strengths and weaknesses.

#AI FOR SELF-LEARNING
#REAL-TIME FEEDBACK
#PERSONALISATION

02
FOCUS ON HUMAN SKILLS

Education should focus on real-world contexts, hands-on projects, integrated and multidisciplinary projects, as a manner to stimulate soft skills such as empathy, collaboration, and creativity.

#SOFT SKILLS
#SOCIAL IMPACT
#MULTIDISCIPLINARITY

03
INVEST IN LIFELONG LEARNING

As the nature of work evolves quickly, universities and schools need to invest in approaches and tools that go beyond technical skills. In this sense, a growing emphasis on developing critical thinking, problem-solving, creativity, adaptability, collaboration, and digital literacy for a lifelong learning has become essential.

#UPSKILLING
#TAILORED AT SCALE
#ADAPT TO NEW WORKFORCE
#EMPLOYERS AS LEARNING PARTNERS

04
BRING SOCIAL MEDIA ONBOARD

As social media becomes a strong ally in learning from a more democratic, entertaining and relaxed perspective, companies should consider bringing activities, methods and strategies that include and blend social media with more traditional methods.

#ENGAGEMENT
#ENTERTAINING LEARNING
#INFORMAL PATHS

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Thank you.

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