

Education sector in change: Rethinking learning with digital solutions and innovations

LEARNTEC 2025 presents modern technologies, new learning environments and also addresses the topic of educational equity

Karlsruhe, 24.04.2025. As part of **LEARNTEC**, which will take place at **Messe Karlsruhe from May 6 to 8, 2025**, numerous companies will present their product innovations and premieres in the school sector in the dm-arena. The diverse range of exhibitors will be complemented by two guided tours on the “Digitalization of school education” as well as workshops and specialist presentations in the school@LEARNTEC forum and in the Maker's Area, where education experts will provide valuable impetus and offer a practical exchange of ideas. Key topics at this year's most important trade fair and congress for digital education include **artificial intelligence (AI) and intelligent learning systems** as well as **new learning environments and immersive learning**. Another focus will be on the topic of **educational equality**. “We are at a decisive turning point in education,” says Micha Pallesche, member of the LEARNTEC congress committee, and continues: “If we want to rethink education, we not only need digital tools, but above all a new common understanding of learning, relationships and the future.”

Education with vision for contemporary teaching

The topic of educational equality is reflected at LEARNTEC, for example, in modern concepts of STEM education. Early and inclusive STEM promotion not only includes practice-oriented approaches such as experiments or maker spaces, but also the specific empowerment of girls, as women are still underrepresented in STEM professions. While CampuStore GmbH (T10) will be presenting its new LEGO Education science series developed for school lessons at LEARNTEC, which conveys scientific investigations in a clear and everyday way, Dr. Veronica Oelsner will be speaking on “STEM goes digital - discovering and researching with digital media” (May 8, 2:50 p.m.) in **the series of lectures on early childhood education, which will take place for the first time at LEARNTEC on Thursday afternoon, May 8**. With a view to the targeted promotion of girls, Prof. Dr. Uta Hauck-Thum will present the MINT Cluster Munich in her lecture “The transformative power of STEM education - Minti” (May 6, 10 a.m.), which is committed to getting girls of primary school age interested in STEM subjects and promoting talent. On Thursday, Dr. Kerstin Bäcker will talk about “Inspiring Girls” (10 a.m.), a non-profit association that campaigns for equal rights in career guidance.

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In addition, the targeted promotion of young people's well-being and personal development also contributes to the issue of educational equality. In line with this, soulmates GmbH (P40) will be presenting its first digital mental health offer for young people. Clemens Beisel will talk about young people online, media addiction and cyberbullying in his presentation on "Soft skills of media competence: accompanying the digital world of children and young people" (May 6, 2 p.m.), while Oliver Wiening will teach participants how to use digital technologies consciously and mindfully to bring more balance into their everyday school life in his workshop "Mindfulness in the digital workplace - tools & techniques for more balance in everyday school life" (May 7, 10 a.m.). Micha Pallesche also says: "Educational equity doesn't just mean giving every child a tablet, it also means creating systems that see diversity as a strength and specifically promote resilience, personality and well-being."

Individually designed educational experiences

AI and intelligent learning systems enable targeted adaptation of learning content, self-paced learning, real-time feedback and the documentation of individual learning progress - and thus create the basis for greater learning success. Individually designed educational experiences are also a topic at this year's LEARNTEC: Betterknow GmbH (T10), for example, is presenting intelligent, data-secure learning systems, while Ernst Klett Verlag (U25) is presenting AI-based products such as Lautlesetutor, a tool for training reading fluency. Visitors to the school@LEARNTEC forum will also be able to find out more in the presentations "AI as a learning coach" by Andy Lüdemann (May 7, 12 noon) or "Innovative AI approaches to promoting reading skills in elementary school: research meets technology and practice" by Prof. Dr. Gerhard Lauer, Daniel Iglesias, Theresa Weber and Marco Bütterich (May 6, 2 p.m.).

Augmented und Virtual Reality: Lernen neu erleben

Interactive or realistic learning environments make complex content clearer and more accessible. They promote differentiated learning by supporting individual learning paths and reducing barriers such as language or comprehension problems. This makes the understanding of abstract contexts more tangible and easier to comprehend through direct experience. No Isolation GmbH (T1) will be demonstrating its AV1 telepresence robots, which not only enable schoolchildren who are absent for long periods due to serious illnesses, for example, to learn together and integrate socially, but also help them to reintegrate into everyday school life. AR/VR and immersive learning will also be the subject of numerous presentations, such as Veith Rühling's "Augmented reality applications for teaching" (May 8, 2:30 pm) and Sina Dopmann and Stella

Saric's "Escape the Ordinary - Are you still playing or are you already learning?"
(May 6, 10 a.m.).

About LEARNTEC

LEARNTEC is Europe's largest event for digital education. Decision-makers from industry, consultancies, retail and sales as well as schools and universities come to Karlsruhe every year to find out about and exchange information on the potential of digital learning. The LEARNTEC convention provides practical knowledge over three days. Open-space sessions and panels encourage dialogue between speakers and participants.

Further information is available online at www.learntec.en.