

ai in education examples

AI in Education Examples: Transforming Learning and Teaching

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Abstract: This article explores diverse examples of AI in education, examining its methodologies and potential impact on teaching and learning. We delve into various applications, from personalized learning platforms to intelligent tutoring systems and AI-powered assessment tools, highlighting both the benefits and challenges associated with AI's integration into educational settings. We also address ethical considerations surrounding the use of AI in education.

1. Introduction: The Rise of AI in Education Examples

The integration of Artificial Intelligence (AI) in education is rapidly transforming the learning landscape. No longer a futuristic concept, AI is actively shaping how we teach and learn, offering exciting possibilities for personalized learning, automated assessment, and enhanced teacher support. This article provides a detailed overview of AI in education examples, showcasing its diverse applications and exploring its impact on students, educators, and the overall educational ecosystem.

2. Personalized Learning: Tailoring Education to Individual Needs

One of the most prominent examples of AI in education is its ability to personalize the learning experience. AI-powered platforms analyze student performance, learning styles, and preferences to create customized learning pathways. These platforms adapt to individual student needs, providing tailored content, pacing, and feedback. For example:

Khan Academy: This popular platform utilizes AI to recommend personalized exercises and videos based on a student's strengths and weaknesses. AI in education examples like Khan Academy

demonstrate the power of adaptive learning.

Duolingo: This language-learning app uses AI to adapt its lessons to individual learning styles and progress, offering personalized feedback and exercises. This is a prime example of AI in education examples focused on individualized skill development.

Century Tech: Century Tech uses AI to analyze student data and tailor learning paths, providing targeted interventions and support. This is another powerful example of AI in education examples offering predictive analytics for student success.

3. Intelligent Tutoring Systems: AI as a Personalized Tutor

Intelligent Tutoring Systems (ITS) represent a significant advancement in AI in education examples. These systems provide students with personalized tutoring, offering immediate feedback, guidance, and support. ITS leverage AI algorithms to:

Diagnose learning difficulties: By analyzing student responses, ITS can identify areas where students are struggling and provide targeted interventions.

Provide personalized feedback: ITS offer tailored feedback, explaining errors and suggesting strategies for improvement.

Adapt to student learning styles: ITS can adjust their teaching methods to match the individual learning styles of students. Examples include systems that cater to visual, auditory, or kinesthetic learners.

4. AI-Powered Assessment: Moving Beyond Traditional Tests

AI is revolutionizing assessment practices, offering more efficient and effective methods for evaluating student learning. AI in education examples in this area include:

Automated Essay Scoring: AI systems can analyze student essays, providing feedback on grammar, style, and content. This frees up teachers' time, allowing them to focus on other aspects of teaching.

Adaptive Testing: AI-powered tests adapt to a student's performance, adjusting the difficulty level to ensure an accurate assessment of their abilities.

Real-time Feedback: Some AI systems can provide students with immediate feedback on their answers, helping them learn from their mistakes.

5. AI for Educators: Supporting Teachers with AI Tools

AI is not just about students; it also provides valuable support for educators. AI in education examples for teachers include:

Automated grading: AI can automate time-consuming tasks like grading multiple-choice questions and simple assignments, allowing teachers to focus on more complex tasks such as providing individualized feedback and planning lessons.

Classroom management tools: AI can help teachers track student engagement and identify students who may need additional support.

Lesson planning tools: AI can assist teachers in creating engaging and effective lesson plans, providing suggestions for activities and resources.

6. AI in Special Education: Addressing Diverse Learning Needs

AI holds immense potential for improving educational outcomes for students with disabilities. AI in education examples in this area include:

Personalized learning platforms: AI-powered platforms can adapt to the unique learning needs of students with disabilities, providing tailored support and accommodations.

Assistive technologies: AI-powered assistive technologies can help students with disabilities access and participate in education more effectively.

Early intervention tools: AI can help identify students at risk of falling behind early on, allowing for prompt intervention and support.

7. Ethical Considerations: Addressing the Challenges of AI in Education

While the potential benefits of AI in education are significant, it is crucial to address the ethical considerations surrounding its implementation. This includes:

Data privacy: Ensuring the privacy and security of student data is paramount.

Algorithmic bias: AI algorithms can reflect existing societal biases, potentially leading to unfair or discriminatory outcomes.

Teacher training: Teachers need adequate training to effectively utilize AI tools and understand their limitations.

Accessibility: Ensuring that AI-powered educational tools are accessible to all students, regardless of their background or ability, is crucial.

8. Conclusion: The Future of AI in Education

AI is transforming education, offering exciting possibilities for personalized learning, enhanced assessment, and increased teacher support. However, it's crucial to address the ethical considerations and ensure equitable access to these powerful technologies. The future of education will likely involve a synergistic partnership between human teachers and AI systems, leveraging the strengths of both to create a more effective and engaging learning experience for all students. Continued research and careful implementation are key to harnessing the full potential of AI in education examples while mitigating potential risks.

FAQs

1. What are the main benefits of using AI in education? AI offers personalized learning experiences, automated assessment, enhanced teacher support, and improved accessibility for diverse learners.

1. What are the potential drawbacks of using AI in education? Concerns include data privacy,

algorithmic bias, the need for teacher training, and ensuring equitable access.

1. How can teachers prepare for the integration of AI in their classrooms? Teachers should participate in professional development opportunities focused on AI in education and learn to effectively integrate AI tools into their teaching practices.
1. What are some examples of AI-powered assessment tools? Automated essay scoring, adaptive testing, and real-time feedback systems are examples of AI-powered assessment tools.
1. How can AI address the learning needs of students with disabilities? AI can provide personalized learning platforms, assistive technologies, and early intervention tools tailored to the specific needs of students with disabilities.
1. What are the ethical considerations surrounding the use of AI in education? Ethical considerations include data privacy, algorithmic bias, and ensuring equitable access to AI-powered educational tools.
1. How can we ensure that AI in education is used ethically and responsibly? Transparency, accountability, and ongoing evaluation are crucial for ensuring the ethical and responsible use of AI in education.
1. What is the role of human teachers in an AI-integrated classroom? Human teachers remain essential for providing personalized support, fostering critical thinking, and creating a positive learning environment. AI serves as a valuable tool to augment, not replace, the role of teachers.
1. What are the future trends in AI in education? Future trends include the development of more sophisticated personalized learning platforms, the use of AI to improve classroom management, and the integration of AI into various aspects of the educational ecosystem.

Related Articles:

1. "Personalized Learning with AI: A Review of Current Practices and Future Directions": This article provides a comprehensive review of the current state of personalized learning using AI, discussing various methodologies and future research directions.
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1. "Ethical Considerations in the Use of Artificial Intelligence in Education": This article delves into the ethical considerations surrounding AI in education, addressing issues such as data privacy, algorithmic bias, and accountability.
1. "AI in Special Education: Empowering Students with Diverse Learning Needs": This article explores the use of AI to support students with disabilities, focusing on the potential benefits and challenges of integrating AI into special education settings.
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1. "Case Studies in AI-Powered Educational Interventions: Successes and Lessons Learned": This

article presents case studies of successful AI-powered educational interventions, highlighting the lessons learned from these experiences.

1. "Addressing Algorithmic Bias in AI-Powered Educational Tools: Strategies for Fairness and Equity": This article discusses strategies for mitigating algorithmic bias in AI-powered educational tools, ensuring that these tools are fair and equitable for all students.

ai in education examples: AI and education Miao, Fengchun, Holmes, Wayne, Ronghuai Huang, Hui Zhang, UNESCO, 2021-04-08 Artificial Intelligence (AI) has the potential to address some of the biggest challenges in education today, innovate teaching and learning practices, and ultimately accelerate the progress towards SDG 4. However, these rapid technological developments inevitably bring multiple risks and challenges, which have so far outpaced policy debates and regulatory frameworks. This publication offers guidance for policy-makers on how best to leverage the opportunities and address the risks, presented by the growing connection between AI and education. It starts with the essentials of AI: definitions, techniques and technologies. It continues with a detailed analysis of the emerging trends and implications of AI for teaching and learning, including how we can ensure the ethical, inclusive and equitable use of AI in education, how education can prepare humans to live and work with AI, and how AI can be applied to enhance education. It finally introduces the challenges of harnessing AI to achieve SDG 4 and offers concrete actionable recommendations for policy-makers to plan policies and programmes for local contexts. [Publisher summary, ed]

ai in education examples: *Artificial Intelligence in Education* Wayne Holmes, Maya Bialik, Charles Fadel, 2019-02-28 The landscape for education has been rapidly changing in the last years: demographic changes affecting the makeup of families, multiple school options available to children, wealth disparities, the global economy demanding new skills from workers, and continued breakthroughs in technology are some of the factors impacting education. Given these changes, how can schools continue to prepare students for the future? In a world where information is readily available online, how can schools continue to be relevant? The emergence of Artificial Intelligence (AI) has exacerbated the need to have these conversations. Its impact on education and the multiple possibilities that it offers are putting pressure on educational leaders to reformulate the school curriculum and the channels to deliver it. The book *Artificial Intelligence in Education, Promises and Implications for Teaching and Learning* by the Center for Curriculum Redesign immerses the reader in a discussion on what to teach students in the era of AI and examines how AI is already demanding much needed updates to the school curriculum, including modernizing its content, focusing on core concepts, and embedding interdisciplinary themes and competencies with the end goal of making learning more enjoyable and useful in students' lives. The second part of the book dives into the history of AI in education, its techniques and applications -including the way AI can help teachers be more effective, and finishes on a reflection about the social aspects of AI. This book is a must-read for educators and policy-makers who want to prepare schools to face the uncertainties of the future and keep them relevant. --Amada Torres, VP, Studies, Insights, and Research, National Association of Independent School (NAIS) The rapid advances in technology in recent decades have already brought about substantial changes in education, opening up new opportunities to teach and learn anywhere anytime and providing new tools and methods to improve learning outcomes and support innovative teaching and learning. Research into artificial intelligence and machine learning in education goes back to the late 1970s. Artificial intelligence methods were generally employed in

two ways: to design and facilitate interactive learning environments that would support learning by doing, and to design and implement tutoring systems by adapting instructions with respect to the students' knowledge state. But this is just the beginning. As Artificial Intelligence in Education shows, AI is increasingly used in education and learning contexts. The collision of three areas - data, computation and education - is set to have far-reaching consequences, raising fundamental questions about the nature of education: what is taught and how it is taught. Artificial Intelligence in Education is an important, if at times disturbing, contribution to the debate on AI and provides a detailed analysis on how it may affect the way teachers and students engage in education. The book describes how artificial intelligence may impact on curriculum design, on the individualisation of learning, and on assessment, offering some tantalising glimpses into the future (the end of exams, your very own lifelong learning companion) while not falling victim to tech-hype. The enormous ethical, technical and pedagogical challenges ahead are spelt out, and there is a real risk that the rapid advances in artificial intelligence products and services will outstrip education systems' capacity to understand, manage and integrate them appropriately. As the book concludes: We can either leave it to others (the computer scientists, AI engineers and big tech companies) to decide how artificial intelligence in education unfolds, or we can engage in productive dialogue. I commend this book to anyone concerned with the future of education in a digital world. --Marc Durando, Executive Director, European Schoolnet

ai in education examples: OECD Digital Education Outlook 2021 Pushing the Frontiers with Artificial Intelligence, Blockchain and Robots OECD, 2021-06-08 How might digital technology and notably smart technologies based on artificial intelligence (AI), learning analytics, robotics, and others transform education? This book explores such question. It focuses on how smart technologies currently change education in the classroom and the management of educational organisations and systems.

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ai in education examples: Teaching AI Michelle Zimmerman, 2018-12-15 Get the tools, resources and insights you need to explore artificial intelligence in the classroom and explore what students need to know about living in a world with AI. For many, artificial intelligence, or AI, may seem like science fiction, or inherently overwhelming. The reality is that AI is already being applied in industry and, for many of us, in our daily lives as well. A better understanding of AI can help you make informed decisions in the classroom that will impact the future of your students. Drawing from a broad variety of expert voices from countries including Australia, Japan, and South Africa, as well as educators from around the world and underrepresented student voices, this book explores some of the ways AI can improve education. These include educating learners about AI, teaching them

about living in a world where they will be surrounded by AI and helping educators understand how they can use AI to augment human ability. Each chapter offers activities and questions to help you deepen your understanding, try out new concepts and reflect on the information presented. Links to media artifacts from trusted sources will help make your learning experience more dynamic while also providing additional resources to use in your classroom. This book:

- Offers a unique approach to the topic, with chapter opening scenes, case studies, and featured student voices.
- Discusses a variety of ways to teach students about AI, through design thinking, project-based learning and STEM connections.
- Includes lesson ideas, activities and tools for exploring AI with your students.
- Includes references to films and other media you can use in class to start discussions on AI or inspire design thinking and STEM projects.

In *Teaching AI*, you'll learn what AI is, how it works and how to use it to better prepare students in a world with increased human-computer interaction.

ai in education examples: *Rewiring Education* John D. Couch, 2023-01-03 What if we could unlock the potential in every child? As it turns out, we can. Apple's iconic cofounder Steve Jobs had a powerful vision for education: employing technology to make an enormous impact on the lives of millions of students. To realize this vision, Jobs tapped John D. Couch, a trusted engineer and executive with a passion for education. Couch believed the real purpose of education was to help children discover their unique potential and empower them to reach beyond their perceived limitations. Today, technology is increasingly integrated into every aspect of our lives, rewiring our homes, our jobs, and even our brains. Most important, it presents an opportunity to rewire education to enrich and strengthen our schools, children, and society. In *Rewiring Education*, Couch shares the professional lessons he's learned during his 50-plus years in education and technology. He takes us behind Apple's major research study, Apple Classrooms of Tomorrow (ACOT), and its follow-up (ACOT 2), highlighting the powerful effects of the Challenge-Based Learning framework. Going beyond Apple's walls, he also introduces us to some of the most extraordinary parents, educators, and entrepreneurs from around the world who have ignored the failed promises of memorization and, instead, utilize new science-backed methods and technologies that benefit all children, from those who struggle to honor students. *Rewiring Education* presents a bold vision for the future of education, looking at promising emerging technologies and how we—as parents, teachers, and voters—can ensure children are provided with opportunities and access to the relevant, creative, collaborative, and challenging learning environments they need to succeed.

ai in education examples: *AI for School Teachers* Rose Luckin, Karine George, Mutlu Cukurova, 2022-04-07 What is artificial intelligence? Can I realistically use it in my school? What's best done by human intelligence vs. artificial intelligence, and how do I bring these strengths together? What would it look like for me, and my school, to be AI Ready? *AI for School Teachers* will help teachers and headteachers understand enough about AI to build a strategy for how it can be used in their school. Examining the needs of schools to ensure they are ready to leverage the power of AI and drawing examples from early years to high school students, this book outlines the educational implications and benefits that AI brings to school education in practical ways. It develops an understanding of what AI is and isn't and how we define and measure what we value and provides a framework which supports a step-by-step approach to developing an AI mindset, focusing on ways to improve educational opportunities for students with evidence-informed interventions.

ai in education examples: *Artificial Intelligence in Practice* Bernard Marr, 2019-04-15 Cyber-solutions to real-world business problems *Artificial Intelligence in Practice* is a fascinating look into how companies use AI and machine learning to solve problems. Presenting 50 case studies of actual situations, this book demonstrates practical applications to issues faced by businesses around the globe. The rapidly evolving field of artificial intelligence has expanded beyond research labs and computer science departments and made its way into the mainstream business environment. Artificial intelligence and machine learning are cited as the most important modern business trends to drive success. It is used in areas ranging from banking and finance to social media and marketing. This technology continues to provide innovative solutions to businesses of all

sizes, sectors and industries. This engaging and topical book explores a wide range of cases illustrating how businesses use AI to boost performance, drive efficiency, analyse market preferences and many others. Best-selling author and renowned AI expert Bernard Marr reveals how machine learning technology is transforming the way companies conduct business. This detailed examination provides an overview of each company, describes the specific problem and explains how AI facilitates resolution. Each case study provides a comprehensive overview, including some technical details as well as key learning summaries: Understand how specific business problems are addressed by innovative machine learning methods Explore how current artificial intelligence applications improve performance and increase efficiency in various situations Expand your knowledge of recent AI advancements in technology Gain insight on the future of AI and its increasing role in business and industry *Artificial Intelligence in Practice: How 50 Successful Companies Used Artificial Intelligence to Solve Problems* is an insightful and informative exploration of the transformative power of technology in 21st century commerce.

ai in education examples: *Artificial Intelligence and Inclusive Education* Jeremy Knox, Yuchen Wang, Michael Gallagher, 2019-06-13 This book brings together the fields of artificial intelligence (often known as A.I.) and inclusive education in order to speculate on the future of teaching and learning in increasingly diverse social, cultural, emotional, and linguistic educational contexts. This book addresses a pressing need to understand how future educational practices can promote equity and equality, while at the same time adopting A.I. systems that are oriented towards automation, standardisation and efficiency. The contributions in this edited volume appeal to scholars and students with an interest in forming a critical understanding of the development of A.I. for education, as well as an interest in how the processes of inclusive education might be shaped by future technologies. Grounded in theoretical engagement, establishing key challenges for future practice, and outlining the latest research, this book offers a comprehensive overview of the complex issues arising from the convergence of A.I. technologies and the necessity of developing inclusive teaching and learning. To date, there has been little in the way of direct association between research and practice in these domains: A.I. has been a predominantly technical field of research and development, and while intelligent computer systems and 'smart' software are being increasingly applied in many areas of industry, economics, social life, and education itself, a specific engagement with the agenda of inclusion appears lacking. Although such technology offers exciting possibilities for education, including software that is designed to 'personalise' learning or adapt to learner behaviours, these developments are accompanied by growing concerns about the in-built biases involved in machine learning techniques driven by 'big data'.

ai in education examples: *Educational Design Research* Jan Van den Akker, Koen Gravemeijer, Susan McKenney, Nienke Nieveen, 2006-11-22 The field of design research has been gaining momentum over the last five years, particularly in educational studies. As papers and articles have grown in number, definition of the domain is now beginning to standardise. This book fulfils a growing need by providing a synthesised assessment of the use of development research in education. It looks at four main elements: background information including origins, definitions of development research, description of applications and benefits and risks associated with studies of this kind how the approach can serve the design of learning environments and educational technology quality assurance - how to safeguard academic rigor while conducting design and development studies a synthesis and overview of the topic along with relevant reflections.

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2010-07-28 **Building Intelligent Interactive Tutors** discusses educational systems that assess a student's knowledge and are adaptive to a student's learning needs. The impact of computers has not been generally felt in education due to lack of hardware, teacher training, and sophisticated software. and because current instructional software is neither truly responsive to student needs nor flexible enough to emulate teaching. Dr. Woolf taps into 20 years of research on intelligent tutors to bring designers and developers a broad range of issues and methods that produce the best intelligent learning environments possible, whether for classroom or life-long learning. The book describes multidisciplinary approaches to using computers for teaching, reports on research, development, and real-world experiences, and discusses intelligent tutors, web-based learning systems, adaptive learning systems, intelligent agents and intelligent multimedia. It is recommended for professionals, graduate students, and others in computer science and educational technology who are developing online tutoring systems to support e-learning, and who want to build intelligence into the system. - Combines both theory and practice to offer most in-depth and up-to-date treatment of intelligent tutoring systems available - Presents powerful drivers of virtual teaching systems, including cognitive science, artificial intelligence, and the Internet - Features algorithmic material that enables programmers and researchers to design building components and intelligent systems

ai in education examples: Robot-Proof, revised and updated edition Joseph E. Aoun, 2024-10-15 A fresh look at a “robot-proof” education in the new age of generative AI. In 2017, Robot-Proof, the first edition, foresaw the advent of the AI economy and called for a new model of higher education designed to help human beings flourish alongside smart machines. That economy has arrived. Creative tasks that, seven years ago, seemed resistant to automation can now be performed with a simple prompt. As a result, we must now learn not only to be conversant with these technologies, but also to comprehend and deploy their outputs. In this revised and updated edition, Joseph Aoun rethinks the university’s mission for a world transformed by AI, advocating for the lifelong endeavor of a “robot-proof” education. Aoun puts forth a framework for a new curriculum, humanics, which integrates technological, data, and human literacies in an experiential setting, and he renews the call for universities to embrace lifelong learning through a social compact with government, employers, and learners themselves. Drawing on the latest developments and debates around generative AI, Robot-Proof is a blueprint for the university as a force for human reinvention in an era of technological change—an era in which we must constantly renegotiate the shifting boundaries between artificial intelligence and the capacities that remain uniquely human.

ai in education examples: Artificial Intelligence in Education Matthew N.O. Sadiku, Sarhan M. Musa, Uwakwe C. Chukwu, 2022-01-27 The quest for building an artificial brain developed in the fields of computer science and psychology. Artificial intelligence (AI), sometimes called machine intelligence, refers to intelligence demonstrated by machines, while the natural intelligence is the intelligence displayed by humans and animals. Typically, AI systems demonstrate at least some of the following human behaviors: planning, learning, reasoning, problem solving, knowledge representation, perception, speech recognition, decision-making, language translation, motion, manipulation, intelligence, and creativity. Artificial intelligence is an emerging technology which the educational sector can benefit from. In this book, we consider the applications of AI in key areas of education. Artificial intelligence in education (AIED) refers to the application of AI technologies in educational settings to facilitate teaching, learning, or decision making. AI will impact the education field in the areas of administration, instruction, and personalized, and individualized learning applications. In this book, AI is specifically applied in the following key educational sectors: education, natural sciences, social sciences, computer science, engineering, business, and medicine.

ai in education examples: Deep Learning for Coders with fastai and PyTorch Jeremy Howard, Sylvain Gugger, 2020-06-29 Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the

most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala

ai in education examples: The ABCs of How We Learn: 26 Scientifically Proven

Approaches, How They Work, and When to Use Them Daniel L. Schwartz, Jessica M. Tsang, Kristen P. Blair, 2016-07-26 Selected as one of NPR's Best Books of 2016, this book offers superior learning tools for teachers and students, from A to Z. An explosive growth in research on how people learn has revealed many ways to improve teaching and catalyze learning at all ages. The purpose of this book is to present this new science of learning so that educators can creatively translate the science into exceptional practice. The book is highly appropriate for the preparation and professional development of teachers and college faculty, but also parents, trainers, instructional designers, psychology students, and simply curious folks interested in improving their own learning. Based on a popular Stanford University course, *The ABCs of How We Learn* uses a novel format that is suitable as both a textbook and a popular read. With everyday language, engaging examples, a sense of humor, and solid evidence, it describes 26 unique ways that students learn. Each chapter offers a concise and approachable breakdown of one way people learn, how it works, how we know it works, how and when to use it, and what mistakes to avoid. The book presents learning research in a way that educators can creatively translate into exceptional lessons and classroom practice. The book covers field-defining learning theories ranging from behaviorism (R is for Reward) to cognitive psychology (S is for Self-Explanation) to social psychology (O is for Observation). The chapters also introduce lesser-known theories exceptionally relevant to practice, such as arousal theory (X is for eXcitement). Together the theories, evidence, and strategies from each chapter can be combined endlessly to create original and effective learning plans and the means to know if they succeed.

ai in education examples: The Distributed Classroom David A. Joyner, Charles Isbell, 2021-09-14 A vision of the future of education in which the classroom experience is distributed across space and time without compromising learning. What if there were a model for learning in which the classroom experience was distributed across space and time--and students could still have the benefits of the traditional classroom, even if they can't be present physically or learn synchronously? In this book, two experts in online learning envision a future in which education from kindergarten through graduate school need not be tethered to a single physical classroom. The distributed classroom would neither sacrifice students' social learning experience nor require massive development resources. It goes beyond hybrid learning, so ubiquitous during the COVID-19 pandemic, and MOOCs, so trendy a few years ago, to reimagine the classroom itself. David Joyner and Charles Isbell, both of Georgia Tech, explain how recent developments, including distance learning and learning management systems, have paved the way for the distributed classroom. They propose that we dispense with the dichotomy between online and traditional education, and the assumption that online learning is necessarily inferior. They describe the distributed classroom's various delivery modes for in-person students, remote synchronous students, and remote asynchronous students; the goal would be a symmetry of experiences, with both students and teachers able to move from one mode to another. With *The Distributed Classroom*, Joyner and Isbell offer an optimistic, learner-centric view of the future of education, in which every person on earth is turned into a potential learner as barriers of cost, geography, and synchronicity disappear.

ai in education examples: MOOCs and Open Education in the Global South Ke Zhang, Curtis J. Bonk, Thomas C. Reeves, Thomas H. Reynolds, 2019-11-05 With e-learning technologies evolving and expanding at high rates, organizations and institutions around the world are integrating massive

open online courses (MOOCs) and other open educational resources (OERs). MOOCs and Open Education in the Global South explores the initiatives that are leveraging these flexible systems to educate, train, and empower populations previously denied access to such opportunities. Featuring contributors leading efforts in rapidly changing nations and regions, this wide-ranging collection grapples with accreditation, credentialing, quality standards, innovative assessment, learner motivation and attrition, and numerous other issues. The provocative narratives curated in this volume demonstrate how MOOCs and OER can be effectively designed and implemented in vastly different ways in particular settings, as detailed by experts from Asia, Latin America, the Middle East, Africa, the Pacific/Oceania, and the Caribbean. This comprehensive text is an essential resource for policy makers, instructional designers, practitioners, administrators, and other MOOC and OER community stakeholders.

ai in education examples: Robots for Kids Allison Druin, James A. Hendler, 2000 This work brings together the insights of ten designers, researchers, and educators, each invited to contribute a chapter that relates his or her experience developing or using a children's robotic learning device. This growing area of endeavour is expected to have profound and long-lasting effects on the ways children learn and develop, and its participants come from a wide range of backgrounds.

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