











March 13, 2019 The Career Curriculum Continuum

Andrew Hermalyn, Inside Higher Ed

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October 27 and November 27, 2020 Robots on the rise as Americans experience record job losses amid pandemic Lauran Arantani, The Guardian Lauran Arantani, me Quarunan on John Jobs Now Robots, Tech And Artificial Intellige Jack Kelly, Forbes

Video (1:20): http://curtbonk.com/automation.

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1. In what ways will learning be more personalized during the coming decade? How will this impact you and your potential?



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#### **Dreams of Smarter Learning...**

2. How effective will conversational agents become? What will learners commonly rely on them for?



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#### **Dreams of Smarter Learning...**

3. Will robots be akin to adding a peer for activities in the classroom?



# **Dreams of Smarter Learning...**

4. Will e-portfolios efficiently account for informal learning from open educational content and massive open online classes?



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5. How will questions of learner engagement shift as learning becomes more immersive, massive, open, blended, visually-based, and online?



#### **Dreams of Smarter Learning...**

6. What are the qualities of effective teaching in a world dominated by digital forms of learning and free and open content?



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# **Dreams of Smarter Learning...**

7. How will this free and open content typically be updated?



# **Dreams of Smarter Learning...**

8. What means of automatic translation will exist in a decade? How much will you rely on it each day to function with international collaborators and documents in other languages?



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# **Dreams of Smarter Learning...**

9. How can educational agents and chatbots, OER, robots, immersive worlds, etc., effectively be embedded in society to continue to foster learning as people increasingly live to age 80 or 90 or 100 or beyond?



#### **Dreams of Smarter Learning...**

10. What will the definition of "smart" be in 5 or 10 years? How about 20 years? 50 years? 100 years? Beyond?



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11. How much data is too much data? Will instructors have information filtering and restriction devices embedded in their learner information dashboards? And, if so, will they be allowed to use them?



#### **Dreams of Smarter Learning...**

12. Various mobile and intelligent technologies might enable smart learning environments with features such as tracking the learning process and prediction the learner's next moves; however, will that tracking and those predictions hinder creativity and innovation among humans on the higher end of the creativity continuum?



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# **Dreams of Smarter Learning...**

13. Smart learning environments (SLEs) might monitor, track, and guide the learners in highly effective ways using knowledge maps and guides; but what happens when one or more learners feel the intrusive nature of that and purposively make decisions that run counter to personalized learner models?



# **Dreams of Smarter Learning...**

14. Worse, what happens when learners fail to feel the intrusiveness or fail to feel disrupted by the learning pathways presented or the decisions or next moves that were made, at least in part, by the SLE?



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# **Dreams of Smarter Learning...**

15. Can you effectively interpret key student learning characteristics such as emotions, overall volition, state of wellbeing and happiness, and other processes through big data?



# **Dreams of Smarter Learning...**

16. How has the notion of the smart learning environment evolved over the past decade? How will it continue to evolve over the next decade? How will we know when we get there?



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17. How will we know or recognize when we have arrived at a smarter stage in the evolution of learning environments? What will each signal tell us and what will be the signals at each stage?



#### **Dreams of Smarter Learning...**

18. Is machine centered pedagogy now being cloaked under the disguise of personalizing learning?



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#### **Dreams of Smarter Learning...**

19. How will digital archeologists and anthropologists and educational historians in 100, 200, 500, or 1,000 years come to view the coming era of SLE?



# **Dreams of Smarter Learning...**

20. Will teacher training programs need to be revamped to teach teachers how to adjust their strategies and approaches based on vast as well as minute individual differences?



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#### **Dreams of Smarter Learning...**

21. How smart must a learner be to take advantage of SLEs? Is there a threshold level of metacognitive skill required? Who will research and fashion SLEs for learners at different developmental levels or stages?



# **Dreams of Smarter Learning...**

22. Are Smart Learning Environments still smart after everyone leaves the room at the end of the day?



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23. Might the best forms of Smart Learning Environment allow equal or shared time to be a DLE (i.e., "Dumb Learning Environments")?



#### **Dreams of Smarter Learning...**

24. What will this conference look like and emphasize in 5, 10, 20, or 50 years? i.e., Where will this field of SLEs make the greatest contributions to society?



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# Are we getting smarter...?



2022 2022 EDUCAUSE Horizon Report **Teaching and Learning Edition** 

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# **30+ Ways Learning is Changing: The Mega Trends**





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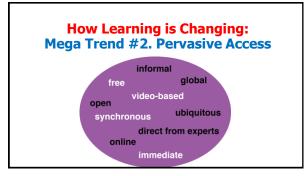






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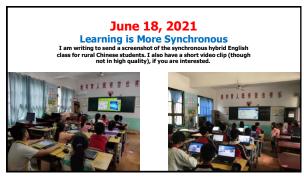








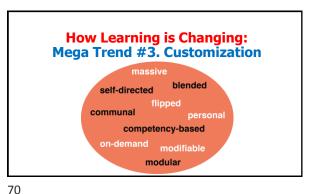


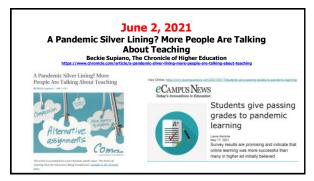




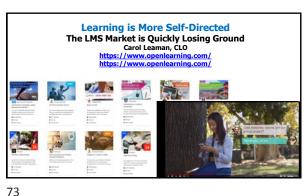








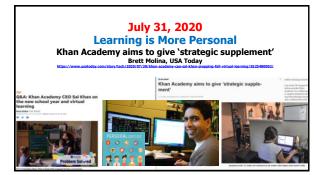






















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July 21, 2022 **Learning is More Personalized** Chatbot boosts student performance at Georgia State Laura Ascione, eCampus News Georgia State's pioneering, artificial intelligence-enhanced chatbot "Pounce" is well established as an institutional tool for helping incoming students navigate the thorny world of finances, registration and just getting started in college. Now, Georgia State is showing student performance jumps when classes employ the chatbot to State is showing student performance jumps when classes employ the Chauste of keep them connected. Receiving direct text messages about their class assignments, academic supports and course content increased the likelihood students would earn a B or higher and, for first-generation students, increased their likelihood of passing the class. First-generation students receiving the messages earned final grades about 11 points higher than their peers.

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# July 21, 2022

# **Learning is More Personalized**

Chatbot boosts student performance at Georgia State

Laura Ascione, eCampus News

- According to Page's study results, students who received the PolsPounce messages earned grades of B or above at a rate 16 percent higher than those not on the chatbot.
- The average final grade in the class for first-generation students in the control group was 64, while similar students receiving the messages earned a final grade an average of 11 points higher.



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# July 20, 2022

Inside a radical new project to democratize AI ameer Maskey, Adjunct Associate Professor, Columbia University & Founder & CEO, Fusemachines

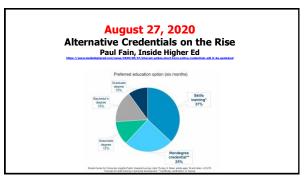
- According to a 2020 report, only 47 percent of high schools in America teach
- According to a 2020 report, only 47 percent of high schools in America teach Computer Science courses. In non-urban areas only 43 percent of high schools in rural areas and 41 percent high schools in towns teaching computer science. In suburban and city areas, this number is 57 percent and 44 percent respectively.

  These disparities are even wider while comparing some states. Only 19 percent of high schools in Louislana offered CS courses of which more were located in the cities compared to 89 percent in Rhode Island. However, only an adept STEM student is most suited to pick up advanced AI skills. Therefore, it's important to kindle interest from a child's early years all the way to K-12, no matter where they live.



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# August 27, 2020 **Alternative Credentials on the Rise** Paul Fain, Inside Higher Ed Sources: Moody's, U.S. Department of Education



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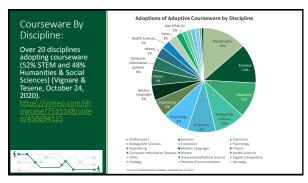








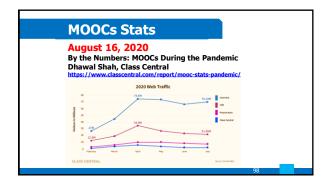




April 30, 2020

New Udemy Report Shows Surge in Global Online Education in Response to COVID-19

There has been an immerse surge in enrollments in courses related to Telecommuting (21,598% increase particular of the course of



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December 14, 2021

A Decade of MOOCs: A Review of MOOC Stats and Trends in 2021

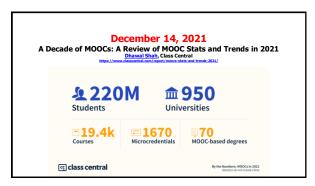
Dhawal Shab, Class Central

Introc. I News. Assessment at count report insocc. stats and trends. 2021

Growth of MOOCs

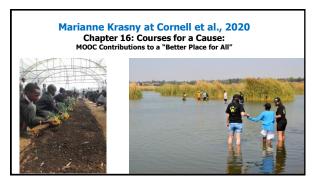
Growth of MOOCs

Spring Manniers MOOC, in 2021



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January 20, 2022 Arizona State University Announces Effort To Educate 100 Million Students Worldwide Michael T. Nietzel, Forbes Customer Experience and Digital Marketing in a Global World Global Entrepreneurship and Sustainable Rusin Data Analytics and Digital Transform 100 Million Learnit

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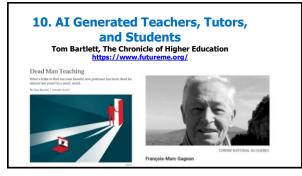




9. World Knowledge Refreshment Stations

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