

HUMAN-AI COLLABORATION: THE NEXT BIG THING IN SCHOOLS

by:

Christian A. Cruz

Teacher III, Lucanin Integrated School

Imagine a world where AI is like that super-smart sidekick that helps teachers create the coolest, most personal learning experiences for all students. That's what we're talking about here! This whole AI-in-education thing is starting to take off, and it's changing the way we look at school.

It's like having a teaching buddy who's good with numbers and patterns, which is pretty much the dream team. Now, these AI-powered gizmos can check out how students are doing, see what they're good at and what they might need help with, and then whip up a learning plan that's as unique as a snowflake. It's like having a personal trainer for your brain, but way less sweaty.

This means kids can get into the groove of learning at their own pace, and teachers can spend more time doing fun stuff like actually teaching. These smart tutoring systems are like having a one-on-one tutor who never gets tired or cranky. They tweak the homework to match your skills and give you feedback on the spot, so you're always on top of your game.

But here's the kicker: AI can look at a mountain of data and figure out what works and what doesn't. Teachers can use this info to become even better at their job, making lessons more fun and helping kids learn more effectively. Plus, it can handle the boring stuff like grading tests, so teachers can focus on the good stuff, like inspiring the next generation of thinkers. But, hold on, it's not all clear skies. If we're not careful with how

we make these AI helpers, they might end up being a bit biased. We've got to keep an eye on them and make sure they're giving everyone a fair shake.

And let's not forget about privacy – we don't want our kids' info floating around where it shouldn't be. Now, the thing with all this tech is that it can't replace the human touch. We need to make sure we're not letting AI take over our classrooms and turning our little humans into robots. Keeping that balance between tech and face-to-face time is super important.

So, if we play our cards right, AI can rock the education world. Think before you click, we've got to be cautious and smart about it. We want to utilize it to aid teachers do their tasks, not replace teachers. If we can get this right, we're looking at a school experience that's tailored, fun, and fair for everyone. And that, my friends, is the future we're aiming for.

Bates, T. (2019). Teaching in a Digital Age: Guidelines for Designing Teaching and Learning. BCcampus Open Education.

Siemens, G. (2015). Learning analytics: The emergence of a new field. *British Journal of Educational Technology*, 46(1), 1-10

Anderson, J. R., Corbett, A. T., Koedinger, K. R., & Pelletier, R. (2004). Cognitive tutors: Lessons learned. *The Journal of the Learning Sciences*, 13(3), 225-283

Brusilovsky, P. (2001). Adaptive hypermedia. *User Modeling and User-Adapted Interaction*, 11(1-2), 87-110

Baker, R. S. J. (2015). Learning analytics and educational data mining: Towards a research agenda. *Educational Technology Research and Development*, 63(1), 1-12

Siemens, G., & Baker, R. S. J. (2012). Learning analytics: A research agenda for educational data mining. In *Proceedings of the 2nd international conference on learning analytics and knowledge* (pp. 3-10).

Mitra, S., & Pal, S. (2021). Artificial intelligence in education: A review. *International Journal of Artificial Intelligence in Education*, 31(1), 1-34.

Weng, J., & Huang, R. (2020). Artificial intelligence in education: A review of the literature. *Frontiers in Education*, 5, 571

O'Neil, C. (2017). *Weapons of math destruction: How big data increases inequality and threatens democracy*. Broadway Books