### **We affirm. Our sole contention is improving our education in various ways.**

#### **American students fell behind during the pandemic and are struggling to catch up, but creative solutions, through Gen AI, have the potential to help us rebound.**

Abrams '24

America’s students are falling behind.Academic progress stalled during the pandemic declines in scores and achievement gaps are part of the problem.teachers did not get the resources they needed. Researchers, are on the scene with creative solutions

#### **The first is by helping teachers.**

#### **Teachers are the most burned out.**

Marken & Agrawal '22

More K-12 44% say they "always" feel burned out at work, outpacing all other industries These results are based on 12,319 employees

#### **Burnout is the leading cause.**

Hailey '24

educators experience tremendous exhaustion, fatigue, and stress. burnout can lead to the nearest exit ramp Teachers who quit countlessly recounted experiences, claiming deteriorating mental health, and a lack of support burnout is the leading cause

**Generative AI helps teachers with administrative tasks so they can focus on teaching.**

Dworkin '24

Teachers wear far too many hats 82% desire a more balanced workload Many look to generative ai There are endless possibilities in supporting administrative and time-consuming tasks. help teachers create, materials like guides, worksheets, lesson plans, and free up time to focus on engaging with students.

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#### **Teachers can use generative AI tools to reduce their workload by generating assignments or instructional materials. Generative AI also will save billions and boosting teacher salaries.**

Post '24

AI tools could attract teachers by easing their workload burnout, is a leading cause of teacher turnover 44% report always feeling burnout. AI tools allow educators to spend time teaching and less procuring resources. allows teachers to quickly create learning materials aligned with curricula. from worksheets to textbooks – in just a few minutes at lower prices than traditional materials. implementing AI tools will allow districts to reallocate billions spent on textbooks and other learning content to areas such as teacher salaries

**Turnover hurts education.**

Marco Learning '18

teacher turnover harms student achievement. losing a teacher is linked with a loss of 72 instructional days,” nearly half of the school year. turnover “disrupts the continuity of a child’s learning experience,”

#### **Second is by helping counselors.**

**Generative AI can alleviate the harm of the school counselor shortage.**

Jarudi & Sinha '24

the counseling system is under severe stress. ratio makes it impossible to get to know any one student; counselor has to focus on administrative work and urgent issues This constraint has cascading effects, limiting the counselor’s ability to personalize advice. generative AI systems deployed as virtual counselors AI’s ability to process vast data and offer personalized recommendations makes it well-suited. By analyzing data on student’s AI can facilitate meaningful interactions between student and counselor AI break down complex tasks into manageable steps, counselors allocate more time to providing critical support and fostering stronger relationships with students.AI systems can track recommendations and outcomes, and continuously improve performance. integration of AI into counseling offers remarkable opportunity

**Strong counseling programs enhance education.**

Bradley University

schools with strong counseling programs report higher achievement happiness, security and fewer problems counseling interventions have a positive effect by .30. taking aspirin has an effect size of .06.

counselors help students with college application career counseling. emotional support by helping students deal with stress students achieve higher with better counseling counselors improve study habits reduce disruptions improv teaching as well as mitigate anxiety school counselors reduce likelihood of suicide through working closely with parents

Hurry up and deal with their case

#### **Third is students**

#### **AI can help differentiate instruction and personalize education. That’s especially crucial in a world of resource limitations.**

Castro et al. 23

AI emerged as a tool for students with personalized needs. AI into classrooms allow this revolutionary tech to educate every student Traditional methods entail one teacher instructing 30 learners. It’s a system that can overlook the needs of some a significant number require a personalized approach. AI benefits will allow for a classroom where all are cognitively stimulated

#### **There are real-world examples of AI enhancing education.**

Haoyang & Towne 25,

Take Squirrel Ai, improved question accuracy rates from 78% to 93% through personalized learning. serving over 24 million students Carnegie Learning's AI combines teacher guidance with sophisticated analyses not just whether students get right answer, but how they think through each problem. teachers can see in real-time if students are struggling. The AI identifies specific skill gaps

#### **AI has proven success around the world.**

Willige'24

Educators around the world have taken to AI, with successful projects. support teachers by automating administrative tasks AI can improve how students are assessed while helping to build literacy, thinking, creativity , AI promises more personalized approach to teaching and learning, in South Korea AI-powered digital textbooks address inequality Rwanda’s AI has potential to assess individual students and then customize content for them Facilitating personalized learning in the UAE The project, boost students’ performance through An AI tutor AI improve accessibility.

240 million children with disabilities. majority of them do not have accessible learning UNICEF is now leveraging AI to , creat digital textbooks by offering functionality such as sign-language videos, interactivity, audio descriptions and text-to-speech.West African learners get support from an AI mentor. shown significant success in improving performance

The opponents sole contention is accessibility, with two subpoints of school preparation and student access.

On their c1, they talk about the harms it has for teachers; however turn that as gen AI actually solves:

AI enables teachers to spend more time on important activities.

**Torres**, Tatiana. “How Artificial Intelligence is Empowering Students and Teachers.” The Education Digest. December 20**22**. https://www.highereducationdigest.com/how- artificial-intelligence-is-empowering-students-and-teachers/ //AG

“In addition to empowering students, AI is also helping teachers to do their jobs more effectively. One of the key challenges faced by teachers is the ability to provide personalized feedback to each of their students. **With large class sizes and limited time, it can be difficult for teachers to give each student the individual attention that they need to improve their skills and knowledge.** AI-powered tools, such as grading software and feedback systems, can help teachers to provide personalized feedback to their students more quickly and efficiently. **For example, a teacher can use a grading program to automatically assess students’ work and provide them with feedback on their performance. This not only saves teachers time and effort but also allows them to provide more detailed and accurate feedback to their students.”**

AI can curate additional learning opportunities

**Torres**, Tatiana. “How Artiificial Intelligence is Empowering Students and Teachers.” The Education Digest. December 20**22**. https://www.highereducationdigest.com/how- artificial-intelligence-is-empowering-students-and-teachers/ //AG

“**Another way that AI is helping teachers is by providing them with access to a wider range of educational resources and tools.** **For example, AI-powered platforms such as Khan Academy and Coursera offer a wide variety of online courses and resources that teachers can use to enhance their teaching and provide their students with additional learning opportunities**. These platforms not only provide teachers with access to a wealth of educational materials but also offer them the chance to connect with other teachers and experts in their field. Overall, AI is empowering students and teachers in a variety of ways. **By providing personalized learning experiences, access to a wider range of educational resources, and tools to help teachers do their jobs more effectively, AI is helping to enhance the quality of education and improve the learning experience for students around the world.”**

AI is a tool that students must need for future success.

**Morris**, Shannon. “Stop Saying ChatGPT Is the End of Education—It’s Not” WeAreTeachers. March 20**23**. https://www.weareteachers.com/ai-wont-kill-education/ //AG

“While constant technology innovations can be daunting, it’s the stark reality of the world we live and teach in; and the more willing we are to embrace these innovations in the classroom, the better. **Technology and AI help to promote skills that are essential for success in a modern, technology-driven economy, which will help prepare students for life beyond school. As educators, our responsibilities are vast (and sometimes unreasonable), but our primary focus is to equip students with the tools they’ll need to lead successful lives. As our technological frontier shifts and expands, we need to shift with it and leverage these emerging resources for our students’ benefit.”**

ANd the talk about

Teachers have adapted to technology shifts in the past

**Morris**, Shannon. “Stop Saying ChatGPT Is the End of Education—It’s Not” WeAreTeachers. March 20**23**. https://www.weareteachers.com/ai-wont-kill-education/ //AG

“AI and tech innovations are nothing new. **Teachers have been successfully adapting to these shifts for generations and will continue to do so. ChatGPT is simply the newest development, and with proper guidance and support, AI can and should be leveraged to enhance the educational experience for teachers and students alike.”**

**This disproves their eeveidence that educators are uncomfortable with gen AI and dont want to adapt**

**Now lets go on their next subcontention**

## **at: increasing inequality**

1. **ED Tech investment is getting boosted- especially in developing areas.**

**Holon IQ 20**

<https://www.holoniq.com/notes/87bn-of-global-edtech-funding-predicted-to-2030>

EDTech spending is increasing by multiples- especially in developing areas **Global EdTech Venture Capital will nearly triple over the next decade.** EdTech started the decade with $500M of Venture Capital investments in 2010 and finished 14x higher at $7B in 2019, down 18% off a 2018 high of $8.5B in VC funding. China made up 52% of the last decade’s EdTech VC funding, the US represents 33% followed by Europe, India and the Rest of the World, each investing about 5% of the global funding total. **Emerging Markets such as Africa, Latin America and Southeast Asia are growing rapidly and have large under-served populations looking to leapfrog traditional developed education systems to lower cost and improve access and outcomes, supporting learners, teachers and administrators with advanced technology. The latter half of the next decade may well see investment traction in large emerging markets, particularly Southeast Asia, India and Latin America, where multi-billion dollar funds are being set up to deploy capital into education and other impact sectors.**

1. **AI can bridge learning gaps and improve inequality**

**Agarwal 22**

<https://elearningindustry.com/how-can-technology-mitigate-inequity-in-education-systems>

**1. Personalized Learning Can Close Learning Gaps Research shows that the impact of the pandemic on K-12 learning has been huge, leading to profound learning loss. Students, on average, were five months behind in math and four months behind in reading when the 2020–21 school year concluded [4]. Educational technology can bring in a high degree of personalization and an approach that adapts learning experiences to a student’s strengths and weaknesses. Since each student’s interests and learning progress are taken into consideration, engagement levels are higher, which leads to positive outcomes. In addition, a robust digital learning platform allows students to progress at their own pace to master learning objectives, very unlike the traditional classroom setting. It is, therefore, more effective in narrowing** [**learning gaps**](https://www.getmagicbox.com/blog/how-digital-learning-platform-address-learning-gaps-k12-education/)**. Formative assessments become easy to administer and grade, which then help teachers understand how a student is placed academically. This can ensure personalized learning paths and support from teachers. Learning analytics provide further valuable information related to absenteeism, consistent low grades, and more so that educators can take corrective action in time. 2. Online Tools That Can Also Be Accessed Offline Blended learning holds the promise of driving a greater understanding of academic concepts through a project-based learning approach. The idea is to integrate traditional classroom teaching with digital tools and augment the teaching methods. The teacher creates and/or curates materials online that students go through and interact with before coming to class. After that, the precious in-person time can be used to highlight difficult concepts and engage in personalized learning. However, we cannot ignore the fact that a significant percentage of students are underserved in terms of digital connectivity. This is why there is a need for tools that can be accessed offline as well. For instance, inclusivity can be enhanced with access to downloadable content, which can then be used offline. There could be syncing of features like note-taking, bookmarking, and highlighting whenever the user is next online. This can help classrooms address the digital divide among students.**

**Thus their impact of poverty won't trigger as its being solved right now, as well as Gen ai currently solving the inequality and the digital divide. For these reasons, you vote affirmative. We would win as our impacts of improving learning are wa better, and we turn their impact of teacher burnout as we solve.**