1AC

C1 - Teachers

Educators are leaving the profession due to burnout. Diesel '24

finds: Dana C. Diesel, 4-15-2024, Schools That Lead,	
https://www.schoolsthatlead.org/blog/teacher-burnout-s	statistics VJ��
Many education equateriors briennedicus enhancitor, fuliges, and dams. Such conditions can compositive their ability to properly sensors their professional durine. <u>Trader</u> DUFFINOUT on lead to cyclician, delectionest, and allimately registered.	ents on mental hands. It about pushes teachers towards. Per married Section 2012-2022
years, over 270,000 teachers are expected to quit each year	La trapport trackers with 100 or or proportion or 25 times can be found in quarter for the part than those who well proport. I grown to all the quarter of proportion or 25 times can be found in quarter for the part than those who well proport. I grown to all the quarter of proportion or property of proper trackers on the most likely to part.
55% of teachers say they'll leave sooner	than initially planned due to burnout and a
The content of the co	ing cause, with the later <u>manufactures</u> , burned is noted to different calculary cause. Normaning Endowed Studens has high remotional detected as they interest
But teachers are increasingly using generative	ve Al.
Meghan Mccormick, 6-27-2024, No Publication,	
https://www.the74million.org/article/generative-artificia f or-students/, //VJ��	l-intelligence-may-help-teachers-does-it-work-
To pade cleare of Card To April 2222 spakes a <u>most few ord instrument was part and and the word instrument was part and and the word in the part and and the word in the part and and the word of the part and the part </u>	ducators believe its use in schools will
continue to grow.	person of similaris assumptionizing with a minist the circums as well according in according account processing before \$1.00 and \$2.00 are sixth, more than the according account processing were
special distallation on the substancing the first substancing of ground the substancing of ground the substancing from the substancing from the substancing from the substancing from the substancing the substancing the substancing from the s	wer bash twee possibles brondlerfor. An exhault start facing bard chain and and where the spend florr resources to continued travering ages and the 1522 busings (II). It is reported table a bask as what we were bash twee possibles brondlerfor.
That can revitalize teaching as a career. Twin	kl '23 quantifies: Twinkl 23 [Twinkl
Educational Publishing (), Report: Adopting AI could	prevent \$77 billion of unpaid teacher
overtime, 12-11-2023, K-12 Dive,	
https://www.k12dive.com/press-release/20231211-	report-adopting-ai-could-prevent-77-billior
of-unpaid-teacher-overtime/] accessed 2-18-2025 //	bellaire FL
NEW DEAL OF TAX - A Now Appel has made deals. teachers work	ertime every year
could shrink that by 85 percent.	good at 11 Marca a sent alone what starting controlled to work had not examply from removing parties over the Experiment of later regulators. The finding orderino and all starting and finding the Experiment of Section 1
white transports trades making and page on every at 1 (bears areas by embracy at low). The expressions of bigh may Include Accretion 3.2 collisis basishes have seeing regarded resident bearing, which has perfect on the past three pasts they are the past three pasts. Daving the 2023-2022 sollar past unlimit becames onto marked 25%, while is some of the resident bearing at the collisis of the past three pasts. Daving the 2023-2022 sollar past unlimit becames onto marked 25%, while is some of the resident bearing at the collisis of the pasts of the resident bearing at the collisis of the pasts of the resident bearing at the collisis of the pasts of the resident bearing at the collisis of the pasts of the resident bearing at the collisis of the pasts of the resident bearing at the collisis of the pasts of the resident bearing at the collision of the pasts of the resident bearing at the collision of the pasts of the resident bearing at the collision of the pasts of the pasts of the resident bearing at the collision of the pasts of th	under St. process. The numbers upon the thermolese. <u>Bandom are banded</u> the profession bec <mark>uppercedented markets. Bandom unpaided merten ke meige constituting basher.</mark>
	ning a more sustainable and rewarding
Career. " Treas used boos, the report any, are from used first campining scolerabing collisions and in issue planning, grading appears, and reporting data. "It not should being transform and of the classroom, but other empowering them with	in the charcours. Tandous spared as much three completing advicacionative both that less and loss arranged in the fact in class bandline (i.g. hadrated the charcologing the given depoint assents, of traditive actions provide
Nation for real phrases and the administration of the state of the sta	and appeals to be added all the control of the repeated year of the desired of the second of the sec
And overall, Dr. Poth, an expert on instruction	onal technology projects explains
that as AI develops:	

Dr. Poth 24 (D. Rachelle Deed Foth (An editech consultant, presenter, althor; and teacher	er. Teaches Spanish and STEAM: Emerging Technology at Riverview High School in Galcmont, PA. Juris Doctor degre	he from Duquesne University School of Law and a Master's in Instructional Technology. An ISTE Certifie	d Educator and a Microsoft Innovative Educator Eugers. A past-president of the GTT Teacher Education Releank and served on the Leadenship learn of the Mobile
https://rdene915.com/	<u>'2024/10/29/7-ways-a</u>	ai-is-set-to-make-te	achers-jobs-easier/] accessed
2-20-2025 // bellaire FL			
Since the early 2000s, education has had in realise with the rapid integration of technology into the discretion. From the general us	se of computers and laptops for schoolwork to the rise of unsertphones and tablets in the classroom, teachers have (AI) could be the rest advancement that not only changes how students in	rhad to be agin to keep up with these charging trands. Unfortunately, despite these advancements, immorroves such teachi	nery leaders shought in their jobs, feeding to a moss exodule in recent years. In Augustithis year since, Societa reported that \$5,000 teachers and other educations
workflow by providing opportunities for them to optimize the workflow and instruction.	on the next advancement that not only changes now students.	each cut axio	entering to the second to the gaper of a given port of various models, letter, we wrote that the active models and the second second of the second time of the second second seco
Education, All grading stock can automate this potons, <u>All can</u> appraise student work instantaneously with very little human input new	eded, thereby increasing the time teachers can spand on other aspects of their job as well as increasing their free	oral. These took also provide much fast fe	eedback to sa students, which is turn will help with represent. Roberty
One factor of A that will provide a new dimension in how students learn about different subjects. In General McGenAl, MongoOl GenAl systems that can impressorate a famous, historica, or ener current person as well as replaces historical Assistance, his agent a factor critical finalise, but will also devices the level of bitment and registered in students. Lock of engagement in issuess, Lock of the critical finalise, but will also devices the level of bitment and registered for students. Lock of engagement in issuess in the third insection of A little companies and the companies of the companies	E details how GenV is based on foundation models that can perform tasks like dassification, sentence completion, that not only will in Subject to a common issue is modern classrooms, leading to added stress for teachers. Foreign Legouger To the Children very height of immediate yourself with Exchanlesy that helps you like missions on any other language.	, the generation of images or voice, and synthetic justificially generated) data. This means that beaches aching Lenguage learning in the classroom can be very difficult for transfers due to the lack of one-on- egy can help a lot. You have meditine conversations, and the challott expands the conversation to you or	n can see Al to educate students through neleptoping. Galated Rishald, co-founder and director at the Learnengace & The Global School, written on Unleich that one time with students. With Al, students can speak be a Language Learning Model such as ChalSTF or an Al interfaculter to create a dissigner than it as excelly pitche and learn even more about the Managage is also help usy becomes more contributed speaking. "As added to engage with the Al on their earch terms, foreign begun
teachers will have more time to address includual needs. First lessons like grading, a good amount of time outside teaching is spen	nt planning lessons due to the ansourt of research and relinestion needed. <u>At cas</u> stream	Miline and optimise this process by not only creating new plans from scratch-ver	y quiddy but sino anniping past <u>lesson</u> <u>plans</u> ts cater to the transfer's coan preferences and in plant transfer.
Curriculum standards also change very frequently, and an analysis of can be used to ensure that the lessons are updated with	the lidest requirements. This decreases the time teachers spend on planning lessons and increases their ability to	work with students. Personalized Learning For Students, One of the major issues that makes a teacher	o ja difficit is not being able to adapt their teaching embods for individual students. It is not possible for teachers to create personalized learning plans for each
student in their classroom, which can lead to some students petting left behind and resulting in a lack of engagement. A processed as students to improve their learning outcomes, another important supect of AI that will make a tracher's job easier is classroom mana	degiver learning platforms can analyze students' strengths and wasdresses and provide personalized lessons and agenteric A. Medium post notes how "one of the most pressing challenges for teachers has always been classroom	tholy path. ranagement, with discipline being one of the most difficult aspects of the job. When it comes to date	while full rendering his to track the content of th
burnout in teachers, which is having a massive impact on the industry (MM) 190 Annual Edu	s direction. Reduce Burnosi As the above benefits shou, Al can have a positive impact on many different faces on burnout is a cr	ritical issue, with 82	% of educators citing that
what they need most is			is different from students even they years ago. All will not only allow
teachers to keep up, but will do not be to be a compared to the compared to th	buse their workload and give them more time to focus on their students. This will make their job easier	nd in grows their work-life balance, which will hopefully	<mark>he</mark> <mark>number</mark> of teachers <mark>leavin</mark> រ្
the profession.			
ludand nabanlanun a		of:to 1 occur (2.4 f	
Indeed, schools are a	iiready seeing ben	etits. Legar 24 t	inas:
Researcher Leger 24 [N		rch Manager, IDC V	Vorldwide Education
Digital Strategies, IDC), 3			
•			<u>ling-High-Impact-Opportunitie</u>
s -for-Al-in-Education.pd	<u>f</u>] accessed 2-16-2025	5 // bellaire FL	
education respo	ondents are getting	a_return of 3.4 ti	mes on_investment for Al i
	er implementation.	cited benefits such as finite innovation, reduced institutional risk, and finite time to market for new	oblication services and experiences.
,			
Absent changes, tead	her shortages <u>dec</u>	imate education	nal quality. Whizara '24
finds:			
Whizara 24 (Whizara ().	How educator shorta	ges impact instruct	ional growth?, 1-23-2024,
https://www.whizara.com		•	
accessed 2-19-2025 // be		<u> </u>	
Name of the studies conducted by the National Bureau of Economic Research <u>assessmithed parches shortages can lead to leave</u>	nar dissoluted archinestrated drawn loop determ necessaries consequences. With less	<mark>ser <mark>teachers</mark>,</mark>	the quality of
education suffers			
challenges of teacher turnover and burnout further disrupt the continuity of instruction, <u>making it difficult for students to dentice at the continuity of instruction</u> .	stone, basine teacher-student relationships Disaburateed communities are discreportionately affected by three-	challenges, <u>leading to educational inequilies a</u> nd achievement gaps. We will explore further the two is	mmediate and tangible consequences emerging from educator shortages, Learning Loss. Studies published
	elation between teac		
Such communities face a double burden, as they are more likely to experience shortages	of highly qualified teachers. Reports from organizations like the Education Trust emphasize the achievement gaps	that pensist in these areas, perpetuating educational inequalities. The impact on student performance	ols ace terminal to treat accorate, a <u>also affect</u> s <u>critical skills</u>

beyond the classroom.
C2 - Workforce
In the next few years, automation will drastically change the job
market. Quereshi of Brookings warns:
Zia Qureshi, Cheonsik Woo, 1-19-2022, Brookings,
https://www.brookings.edu/articles/understanding-the-impact-of-automation-on-workers-jobs-and-wa
g es/, //VJ��
To have the second of the mark the second of
will eliminate millions of jobs for vehicle drivers and retail workers, as well as those for health care
workers, lawyers, accountants, finance specialists, and many other professionals. The second control of the co
Gregg 24 — (Indiana (Indy) Gregg, 3-12-2024, "The Future Of Work: Embracing Al's Job Creation Potential", Forbes, https://www.forbes.com/councils/forbestechcouncil/2024/03/12/the-future-of-work-embracing-ais-job creation-potential/, accessed 3-17-2025) //VJ
y 2025, while 85 million jobs may be displaced by automation, an impressive 97
million new roles are projected to emerge, emphasizes the need for significant
workforce evolution
That's why the future of the economy rests on how prepared workers are to
enter a labor market that is interspersed with generative AI. Ellingrud '23
projects:
F1

https://www.mckinsey.com/mgi/our-research/generative-ai-and-the-future-of-work-in-america,
//VJ During the pandemic (2019–22), the US labor market saw 8.6 million occupational shifts, 50 percent more than in the previous three-year period. Most involved people leaving food services, in-person sales, and office support for different occupations. By 2030, activities that account for up to 30 percent of hours currently worked

across the US economy could see generative AI enhancing the way professionals work

Employers will need to hire for skills and competencies pace with their evolving needs.

Independently, AI in education teaches students how to live in the future. Roose '23 argues:

New in Rosen, 3-12-2023, No Publication,	
encounter for the bertack to be the street of the large o	tee, and is the basic principle that the work dudient farm in should reflect orgalization buggering inside that basics, other than in the literal quare of a machine learning model funded on a distance of the state
ARRIAL a purphersor of the Whaterian School of the University of Perconjulation. We need to Egypte and a way to adjust to these basis, and not just been there." That's the bagged reason and to base the been the Commence, to local—	tudents by will graduate into a world
full of generative A.I. programs.	they'll need hands-on experience
to understand how this type of A.I. works, what types of bias it co	ontains, and how it can be misused and
weaponized. To a adjustment won't be seap facilities includinglish differ sently as a final who better to guide students too this distrage new world than their transfers?	
ted generational invasiment in booting All Benay, Niver 24 register, Niver, 11-14-202, The Future of Learning Nove the U.S. Conserment in Orining Invasoriation in Education with All and 138, [n.d.]. Deep Senanch. Text (All Security Senanch All Security S	inance, lead the deet groupers, and identify areas
the state of the s	Development: In 2024, the U.S.
government dedicated over \$18 million to 44 multidisciplinary resea	rch teams to explore responsible design and
deployment of Al , including applications in education. This funding g	demonstrates the government's
commitment to advancing AI ethically, particularly in areas that	t directly impact students(White House).
U.S. Government Initiatives and Support for AI and XR The government's invest	tment in AI and XR for education is multifaceted,
focusing on funding research, developing ethical standards, and preparing stud	lents for the future workforce.

Absent preparedness, workers will lose jobs to automation. Crist '24

finds: Carolyn Crist, 10-20-2024, HR Dive,

https://www.hrdive.com/news/Al-training-for-the-future-of-work/730406/, VJ Among Al users, half said Al skills expand their job opportunities, and 46% said Al has given them more opportunities to learn skills and progress in their jobs. When Al saves time, workers said they're using that time for creative work, strategic thinking and better work/life balance. However, 13% of workers said they've lost their job due to Al, and only 11% of workers were considered to be "future-ready," or adaptable, willing to be flexible in their careers and proactive in acquiring new skills. Among these future-ready workers, 93% received a personalized development plan and 95% frequently participated in leadership training provided by their companies. Most workers want reskilling and internal mobility opportunities, too. About three-quarters said companies should prioritize cross-training for different roles before hiring externally. At the same time, only 9% said they plan to stay with their company to be reskilled. By 2032, generative Al tools will significantly shift work and productivity, potentially changing 52% of all jobs, according to research by Cognizant and Oxford Economics. In the U.S., 9% of the current workforce may be displaced, and 1% of displaced workers may struggle to find new employment. As a result, the future of work may hinge on upskilling, particularly around Al skills, according to a report by the Al-Enabled ICT Workforce Consortium, which is led by Cisco and includes companies such as Google, Indeed, Intel and Microsoft. Workers will need training in Al literacy, Al preparedness, data analytics and prompt engineering, the consortium said.

Unemployment is deadly. Crudele '20 finalizes:

[John Crudele [John Crudele is a columnist and business journalist in the United States. He writes syndicated political columns for the New York Post. Earlier in his career he worked for Reuters, The New York Times, and as a columnist for New York Magazine. He was also a Financial News Network host.], 04-20-2020, "Is unemployment really as deadly as coronavirus?",

https://nypost.com/2020/04/20/explaining-the-link-between-unemployment-deaths-amid-coronavirus/, //LL] In the 2015 movie "The Big Short" about the Great Recession, Brad Pitt's character Ben Rickert is strolling in Las Vegas with two Wall Street colleagues who are elated about all the money they made betting that the US economy was in trouble. Their bet, of course, was that problems with mortgage-backed securities would hurt banks and the entire American financial system. That's exactly what happened in real life. Pitt's Rickert chastises his colleagues for acting so happy and says: "Every 1 percent unemployment goes up, 40,000 people

die. Did you know that?" Is that 40,000 figure just Hollywood nonsense? Well, it's not. Or at least it is close. And that, in a nutshell, is what President Trump has to deal with right now. If he opens up the economy, there could be a spike in cases of coronavirus and a rise in deaths unless there is some medical breakthrough. Already, 41,000 people are reported to have died from the disease in the US alone. But if the president keeps the economy closed, the **unemployment rate** is bound to **climb** and if you believe Pitt's character — and the academic research upon which that statement is based — **people will die** because of that as well. There's a technical term for this — it's called being damned if you do and damned if you don't. Before the economic mess this virus caused, the US unemployment rate was just 3.5 percent. In March, it rose to 4.4 percent. And there are predictions that it will go as high as 13 percent and maybe even 15 percent before people start returning to work. So, if the calculations are correct, that **10 percentage point-plus rise in the jobless rate**

would cause more than 400,000 deaths that have nothing to do with the virus and everything to do with the distressed economy. And, of course, there will be a lot of financial troubles for those who don't die. But let's just look at just the death rate. The actual figure in academic research is a 37,000 increase for each percentage-point rise in the unemployment rate. It comes from a book called "Corporate Flight: The Causes and Consequences of Economic Dislocation" by Barry Bluestone, Bennett Harrison and Lawrence Baker. "Corporate Flight" was published in 1982 and mainly had to do with companies moving operations overseas. I couldn't reach Bluestone, Harrison or Baker, but last week I was able to contact Wade Thomas, who teaches economics and business at SUNY Oneonta and who quoted those figures in his own co-written 2005 book called "Economic Issues Today: Alternative Approaches." Here's the paragraph from Thomas' book that applies: "According to one study [the one by Bluestone et al.] a 1 percent increase in the unemployment rate will be associated with 37,000 deaths [including 20,000 heart attacks], 920 suicides, 650 homicides, 4,000 state mental hospital admissions and 3,300 state prison admissions." Thomas says things are different today, but those old studies may help us understand the hidden problems that the coronavirus is causing. "I would hesitate to extrapolate from the old estimates of corporate flight as a means of quantifying present circumstances," Thomas wrote to me in an email, adding that "there are too many variables involved now to assert definitive cause and effect between unemployment and the litany of health consequences cited in the 1981 study." But, Thomas said, "it informs our thinking about some of the potential problems that may accompany this wave of joblessness." Two things are definitely different today. One, Washington acted quickly to help the unemployed. It didn't when companies were moving overseas. And, as I said in my last column, a great deal of those who have lost their jobs because of the virus are only being furloughed. They are scheduled to get their jobs back once companies reopen their doors. Let's hope that the data from 1981 is excuse the expression — dead wrong.

C3: Vaccines/Med industry

This same AI used to help major diseases can prevent pandemics

Triang to Brown Lake the Bild scribbled leadingscore Bright to Develop used Reducer COVID-10 Vaccious and Technical Security (17 CovID-10 Vaccious and Advanced Advan
When COVID-19 first sweptresearchers rushed to develop a vaccine that
could save lives and end the pandemic as quickly as possible. Enter artificial
intelligence (AI), which accelerated the process in a way that has never been done
before in vaccine development.
North MANNE and to special (COSD) configurate to extend a first contact.
Nagues, Matthew K. "Can We Alphafried Our Way and of the next Pandemic?" Journal of Milecular Biology, June 2025, p. 16793. <u>Julys also 2021</u> , 52533. <u>2019</u>
The second secon
The state of the s
between 1 January 2020 and 31 December 2021 was approximately 14.9 million (rangeto
16.6 million). "These sobering data not only point target to the need for all countries
to invest in more resilient health systemsincluding stronger health
information systems," and to Table a Administration with Director Courted
We need these vaccinations not only in the event of another outbreak but
<u>to prevent</u> death overall
Carter
Overall, an estimated 51.0 million deaths are expected to be averted due to
vaccinations administered between the years 2021 and 2030. With immunization
coverage projected to increase over 2021-2030 an average of 5.1 million per year
deaths will be averted annually, with 4.4 million(3.6-5.1) deaths be averted for the year 2021,
gradually rising to 5.8 milliondeaths averted in 2030.
Impact: AI used in medical fields are used to make vaccinations. These

vaccinations helped stop the spread of covid, and potentially the next one. This

shows how our youth needs to learn AI in schools.

C3.B

Medical training saves lives.

There is a glaring lack of surgeons

A _ report released by the American Association of Medical Colleges projects shortages of 15,800-30,200 in all surgical specialties by 2034.

Surgeons are woefully underprepared. Bosshardt'25

an alarming number of surgical residency graduates are unprepared for
professional practice.
rating where been in the liter
war and the companies of the companies o
surgeries slowly—taking, for example, seven hours to complete an
operation that should take at most fou <mark>r.</mark>
Second, and relatedly, a rise in patients' post-operative
complications.

NIH'23

AI provides an environment to practice surgery.

AI can provide a safe and controlled environment for trainees to practice surgical skills and

Al can be used to review procedures.

surgeons simply upload videos of their surgical procedures to receive

Al-generated video skill assessments and rapid feedback

....e and individualized insights.

Whiting 20 states

"...The lack of operations causes 17 million people dying from conditions needing surgical care every year.

The impact is saving lives.

Overall we can see that AI helps us prevent unemployment and millions of deaths annually therefore it is clear that the benefits of AI outweigh the harms and I trust you will vote in the affirmation