HOW TO IMPROVE OUR SCHOOLS IN THE POST-COVID ERA

COVID-19, High School, and the "Both and" World

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Recommendations

The COVID-19 pandemic has brought into sharp focus many of the structural imperfections of American high schools: unequal educational opportunity for significant numbers of students, weak adherence to course content that would adequately prepare students for life after high school, and incoherent pathways that leave many students with a dead-end diploma. Responses to the pandemic and school closures have amplified the problem through goodwill gestures such as waiving course requirements, granting phantom credits, and more generously issuing diplomas. Instead, policy makers should embrace the disruption as a moment to introduce significant change to the way high school education is delivered in the United States, including the following:

- ■₁ Redesign high schools to be student centered and focused on knowledge and skill demonstration, including the capacity to understand the lifelong requirements for evolving skills and knowledge and to navigate the worlds of higher education, skills training, and employment to build a personal work/life plan.
- 2. Eliminate the Carnegie Unit as the basis of school effort and replace it with solid metrics of student mastery of state learning standards. Revise the student transcript to detail what students know and are able to do.
- 3. \textcircled{B}_2 Ensure that ninth graders are ready for high school work by addressing the problem of persistently low-performing elementary and middle schools.
- 4. For the current cohorts of pandemic-impacted students, provide meaningful ancillary support so that students can offset the pandemic's effect on their learning and prepare for future endeavors.

⇒₁ This paper has some short-term relevance—the connection to COVID as the education and economic imperative is clear. But the policy recommendations themselves will take five to fifteen years to implement.

> —Jenn Vranek, founding and managing partner, Education First

➡₂ These recommendations are incredibly important and relevant; the window to advance these ideas is now.

> —Michael B. Horn, education writer and futurist



Where We Started

American high schools were a sore spot in the public K-12 education landscape long before COVID-19 wreaked havoc. In 2019, Hoover Education Success Initiative (HESI) scholars highlighted the sharp disparities in high school opportunities and outcomes for students across America (Raymond 2019). Differences in course offerings, course credits, course sequences, college and career readiness support, and credentialing options for living-wage employment were vast and enduring. The report found that many students are steered away from rigorous academics and encouraged to take diluted alternatives (O'Hara 2019). Students interested in securing employment after high school often find their schools' career and technical education (CTE) offerings to be disjointed, dead-end courses (Heyward 2019). The report highlighted that far too many youths, especially those who are educationally disadvantaged, are encouraged or directed to take paths that ultimately inadequately prepare them for postsecondary life (Almond 2020).

Large differences in high school completion are a direct result; thousands of low-performing schools came into the pandemic with appallingly low graduation rates (America's Promise Alliance 2020). Even among students who received a diploma, the credential represents a widely varying bundle of knowledge and skills. Rising graduation rates are especially troubling because of strong evidence that the gains often come from weakened criteria and not from better learning and postsecondary readiness. The evidence is strong that we have shortchanged our students for years, and the pandemic has made things even worse.

Where We Are Now

 e_3 The pandemic highlighted the need to provide out-of-school support with community partnerships as another key strategy to better ensure success for our young people. Supports can include tutoring, mentoring, or other social engagements that build their social capital.

> —Stephen Dackin, member, Ohio State Board of Education

school students found their instruction sharply curtailed. Unions have pushed hard to keep schools closed or delay reopenings (Will 2020). When schools resume, students face widespread reductions in course offerings, instructional time, and course content. The differences also stem from individual teacher choices in what and how much to teach and from how well families can support the learning experience. The short summary is that previously underserved students have incurred disproportionate harm throughout the pandemic. These findings go to the heart of renewed calls to end skewed education systems and assure equitable opportunity for all students.

The outlook for the near term remains troubling. Policy makers have focused on reopening facilities, but attending to the current and future learning impacts for students has not been as apparent. Education leaders have dwelled more openly on the psychological impacts for students despite having even less clarity on the incidence and prevalence of these effects than on the lost academic learning. They relaxed requirements to measure attendance, conduct assessments, or assign grades. Leaders in many, but not all, states have pushed to extend the suspensions through the 2020–21 school year (Diliberti and Kaufman 2020). Without further action, graduates for many years to come can expect to have diminished opportunities and lower earnings throughout their lifetimes (Hanushek and Woessmann 2020). The damage will not simply accrue to the current juniors and seniors, though they will certainly feel it more acutely than students who have more time to recover.

We are set to launch cohorts of students *even less prepared* than usual. Fewer students will be heading to college. Among those who do, part-time and online enrollment will provide roughly equal academic learning but will come with trade-offs in softer skill development such as teamwork and oral communication (Clinefelter, Aslanian, and Magda 2019). According to a national survey, about half of respondents reported changing their plans: deferring college (32 percent), changing career plans (16 percent), or rerouting themselves into the workforce (36 percent) (CNBC Online 2020). If and when they pursue higher education, they will arrive in an unknown state of readiness. Expecting higher-education institutions to assume the duty to assess and remediate new students is not new, but the scale of effort that will now be needed for these students is breathtaking. To date, education policy makers have not fully focused on the need to support these students beyond high school or on the needs of the postsecondary settings that will be asked to take up the slack.

Importantly, more students than ever will not be college bound. A growing proportion of high school graduates will aim first for the labor force and will quickly learn their development for the world of work has been poor. Career and technical education (CTE) options have never been strong in most high schools, but the closing of facilities disrupted many of the hands-on training experiences that did exist. Few employers continued to offer learning opportunities in the workplace. Even more than basic education course offerings, a pivot of traditional CTE such as auto mechanics to online learning reduces the chance for hands-on experience that is critical to those occupations. There is additional concern that such online career training increases the equity gap for students enrolled in career technical education courses (Blackburn 2020). Work-oriented graduates will face barriers to employment even higher than normal as millions of older workers displaced by COVID-19 are adding to their own skillsets to become attractive job candidates. Like their college-oriented peers, this group of graduates will need supplemental guidance and support, with additional education and training, before they can successfully transition to the labor force.

Where We Go from Here

In communities across the country, the pandemic has forced into sharper focus the view that our high schools do not adequately prepare our students for postsecondary opportunities. \textcircled{s}_4 If there is an upside to all the disruption, it is the recognition that resurrecting prior high school models will only perpetuate the earlier faults. There is a chance to create stronger academic and world-exploring experiences for all students. There is a chance to replace pervasively unequal systems that have handicapped the health, welfare, economic opportunity, and life outcomes of Black, Hispanic, and low-income students.

As important and urgent as the needs are, I don't see anything about COVID-19 that makes them more urgent—or any more compelling—to address right now. And with public attention focused on the educational impact of COVID-19, I suspect there will be little public or educator support for initiatives that don't explicitly address the COVID-19related needs.

—Michael Cohen, senior fellow at CenterPoint Education and the former president of Achieve While the motivation is higher than ever, discussion of specific solutions has been less abundant. That is regrettable, because the prior system is already disrupted, offering fertile conditions for new directions. \bigoplus_{5} A real risk is that educators and leaders who have been on the front lines of the pandemic push to revert to "before" and lose the chance for better choices. State and district leaders can pursue workable policies now that set resources and talent in directions to serve students better in the future.

1. Center the high school experience on college and career readiness for all students.

Educators and school systems regularly engage in redesign, so the prospect of change is not new. What is new is the scope and focus of change that students need. The pandemic has created the opportunity to think differently and bigger about high school pathways for all students. Typical high school tracks for college-prep or career and technical education no longer apply. Clean boundaries between college-aiming and career-interested students are a thing of the past. It is a "both and" world for high school students. Many postsecondary jobs require the same preparation as college. Most students interleave higher education and employment as they progress. Accordingly, new models of high school offer high-quality learning opportunities in which academics, career exposure, and solid credentials toward employment are integrated.

 ${}^{\textcircled}_{6}$ One of the most important challenges that high schools face is the need to prepare students for a world of fast-paced change in the demands for knowledge and skills. Students need a foundation of "navigation" skills to customize their own job and career plans—perhaps intentionally moving between work and college—so that they can map personalized pathways through coursework, skills training, and work experience during and after high school. High schools are best positioned to support individual plans for courses, workplace experience, and future postsecondary learning and can cultivate lifelong adaptability in the face of change.

Luckily, there are promising examples on which to build. Many high school redesign efforts have produced important learnings and success. For example, the seven school districts that engaged with the <u>Strategy Lab</u> have each chosen a facet of their school model ₅ We need to create a space, at all levels, where a dedicated group of people is freed from the huge day-to-day job of opening schools and supporting multiple modes of instruction to focus on the opportunities for change that are available now.

> —Michael B. Horn, education writer and futurist

[™]₆ The Utah "Portrait of a Graduate" is an aspirational document that provides a framework for personalized competency-based learning. We have engaged policy makers to lay the groundwork and ensure funding is set aside to provide resources including competencies and professional learning. Applications for schoolbased funding support those forging ahead and incentivize others to do the same.

> —Sydnee Dickson, Utah state superintendent of public instruction

as the starting place for their larger plans for school redesign. The LearnLaunch Institute is another example of a redesign hub; their Building Blocks tools supported rapid pivots to remote instruction. The XQ Institute has resources to help communities undertake meaningful, evidence-driven high school design, using design principles that aim to ensure that every student moves on to success in postsecondary life. Vibrant, high-quality instructional materials can promote active student engagement, as can dropping the boundaries between schools and their communities. Coupling academic learning and exposure to people working on real-world problems can deepen student thinking and open possibilities for further learning. Even when teachers themselves do not have the tools or time to build rich materials on their own, organizations like <u>Nepris</u> offer curated collections of speakers, videos, and lesson plans for classroom use. Others, like Composer, specialize in providing globally connected civics education learning and action experiences.

Given the impact of COVID-19 on the opportunity horizons for high school students, schools need short-run interventions and longer-run plans to expand foundational academics and build the base of knowledge and skills that can lead to sustainable-wage employment (*The Union* 2021). ⊕₇ Classic CTE provides few options (cosmetology, auto body repair, etc.) and produces more graduates than the local economy can support; these can be replaced with more expansive and effective online options. In-demand roles in fields such as IT or health care delivery are on the rise, if recent graduates can target them (US Bureau of Labor Statistics 2021). To do so, however, students will need a mix of guidance, high-quality training, and coursework that reliably integrates with employers' needs. One example of emerging solutions is the Arena, which promotes an innovative model of three-way partnerships between schools, online training providers, and employers. Partnerships for roles such as certified nursing assistant, patient care technician, or IT customer support show the feasibility of winning collaborations. Each partner brings its unique expertise but shares a commitment to coordinating and calibrating skill training, applied learning, and feedback about work performance to match job-ready candidates with job opportunities. The beauty of this type of approach is the flexibility to draw on a wide range of online providers to build partnerships and change them as conditions or employment needs

τ In Massachusetts, there is a legacy of regional career technical high schools with significant weight in communities. I'm not sure how something that potentially changed their role in communities would work or be perceived, but it seems an important dynamic to explore during implementation. There also should be a focus on regional economic clusters in these discussions to strengthen the ties and interests of industry in supporting this movement.

—Michael B. Horn, education author and futurist shift. Students find better-supported postsecondary pathways to economic stability, schools see that they can more substantively prepare students for careers, and training providers and employers see that they can benefit from sourcing and recruiting via school partnerships.

2. Leverage the disruption of classroom-based education to overhaul the Carnegie Unit metric of instruction.

 ${}^{\textcircled{B}_8}$ The standard definition of a Carnegie Unit is 120 hours (or 7,200 minutes) of interaction between high school teachers and students over the course of a year. That is one hour per day, five days a week, for twenty-four weeks. Because it is a measure of "seat time," it is silent on the degree of learning that occurs. It has always been a poor tool for awarding course credits toward graduation.

⇒₉ Now, with the wide variation in student preparedness and different approaches to teaching, the shortcomings of the Carnegie Unit make it even less suited to the reality on the ground. Instead, we should support students' learning until they demonstrate mastery of the state learning standards in each subject and link graduation credits to those outcomes. ⇔₁₀ This will require educators to modify instruction plans according to their students' needs. State and district leadership is vital to assuring that students and their actual learning are at the center of the K–12 system.

3. Get serious about providing all students high-quality seats in elementary and middle schools.

High school is the place where all the prior shortfalls of K–8 education success come due, and students are the ones who pay the price. High schools with low graduation rates and poor postsecondary success rates for graduates share responsibility for those results with the lower schools that did not ensure grade-level capabilities in the students they taught. The recommendations for post-COVID restructuring of high school pathways will have greater impact if students arrive in ninth grade prepared for high school work. If state and district policy makers acted solely on this recommendation, it would have transformative impact, especially in educational equality terms.

Eliminating the Carnegie Unit and allowing for more engagement with and learning in workplace environments could be transformational for students and build significant social capital.

> —Michael B. Horn, education writer and futurist

□ In terms of post-COVID innovation, seat-time flexibility is among the highest priorities, but it will require a ton of technical assistance and professional development to help districts build competency-based systems of that kind.

> —Stephen Bowen, deputy executive director for state leadership at the Council of Chief State School Officers

The most significant hurdle is overcoming the comfort with the Carnegie Unit and seat time. Through legislation, we eliminated the seat-time requirement in Arkansas high schools in 2017, yet school leaders have difficulty knowing how to design a high school experience that does not retain some element of seat time.

—Johnny Key, Arkansas secretary of education

The recommendations in this paper could be incentivized by the right changes in our state accountability system.

> —Stephen Dackin, member, Ohio State Board of Education

□₁₂ In Arkansas, recent ESA-type legislation was defeated.

—Johnny Key, Arkansas secretary of education

By calling out ESAs, it's immediately politicized and therefore inviting big fights, and perhaps missing the opportunity to direct stimulus funding in new ways at the local level, such as college-going supports from community-based organizations (e.g., College Track or Summer Search) or communitybased tutoring that could be highly effective with high school students.

> —Jenn Vranek, founding and managing partner, Education First

The reforms contemplated in this essay will require broad-based coalitions including K-12 and postsecondary educators and state policy makers, civil rights and other advocacy organizations, parents, and the business and employer communities, as well as workforce development agencies.

— Michael Cohen, senior fellow at CenterPoint Education and the former president of Achieve

I don't believe that the ideas advanced in this paper will have much short-term relevance. If framed properly, they will all have mediumand long-term relevance. Keep pushing them forward.

—Michael Cohen, senior fellow at CenterPoint Education and the former president of Achieve

4. Build tangible ancillary funding for students from the classes of 2020 through 2024 to address their learning deficiencies.

 $□_{12}$ Any student enrolled in a public high school from 2020 through 2024 will have adverse impacts from the pandemic that require immediate action. For this special case, special funds are needed for supplemental learning for recent COVID-affected graduates. Where adopted, education savings accounts (ESAs) are an option that would allow students to purchase additional education services to address their individual academic needs. State education agencies could provide accessible information about the services that ESAs or special funds could support and require any service provider wishing referrals to maintain direct links to consumer feedback. Funding could involve a mix of relief funds, tax credits, and private donations. State leaders can offer this scheme as part of the overall education recovery plan. $⊕_{13}$

Conclusion

The greatest threat to high school students across the country is the real risk that we retreat to earlier, impaired policies and practices. Younger students have added this season of lost schooling to prior years of unequal schooling. [□]₁₄ State policy leaders have a limited window to act. They should move away from a timebased approach to a mastery basis of learning, which is especially apropos since returning students will have had widely different learning during the period of remote instruction. They can open the door to novel ways to bring rich content and personal meaning together for students. They have a natural coalition of support: after so much disruption, interest in learning is high among students and families. Similarly, building better basic education and career and technical training partnerships now could build the proof needed to make significant contributions in more normalized conditions. ₽₁₅ Replacing prior practices with effective new approaches that improve high school student outcomes could be an upside with long-term payoff.

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Margaret "Macke" Raymond is founder and director of the Center for Research on Education Outcomes (CREDO) at Stanford University. The CREDO team conducts rigorous and independent analysis and evaluation of programs that aim to improve public school outcomes for K–12 students. She serves as a regular source for local and national media and on multiple advisory boards, technical resource groups, and peer review panels.

Hoover Education Success Initiative

With passage in 2015 of the Every Student Succeeds Act (ESSA), states are again in charge of American education policy. To support them in this undertaking, the Hoover Education Success Initiative (HESI), launched in 2019, seeks to provide state education leaders with policy recommendations that are based upon sound research and analysis.

HESI hosts workshops and policy symposia on high-impact areas related to the improvement and reinvention of the US education system. The findings and recommendations in each area are outlined in concise topical papers.

The leadership team at HESI engages with its Practitioner Council, composed of national policy leaders, and with interested state government leaders. HESI's ultimate goal is to contribute to the ongoing transformation of the nation's education landscape and to improve outcomes for our nation's children.

For more information about the Hoover Education Success Initiative, visit us online at hoover.org/hesi.

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