

***Project 2021 Readings*** - the following articles help us continue to think deeply and carefully

about the many impacts on teaching and learning with today's student while also considering the

needs of future students. As capital projects such as Project 2021 are significant investments for our community, we want to be sure we have the most thoughtful, impactful, flexible, and

sustainable designs so as to ensure a strong return – notably student outcomes – on investment.

**Facility Design**

School Assets and Student Outcomes
<http://www.griffitheducation.com.au/about/documents/47454/download>

Designing Classrooms to Maximize Student Achievement  <http://ilabs.washington.edu/sites/default/files/14Cheryan_etal_Meltzoff_Designing%20Classrooms.pdf>

Space Matters: Lessons Learned from an Active-Learning Classroom | EdSurge News <https://www.edsurge.com/news/2017-07-01-space-matters-lessons-learned-from-an-active-learning-classroom>

Rethinking Use of Space and Time for Next Generation Schools - Education Next : Education Next

<http://educationnext.org/rethinking-use-space-time-next-generation-schools/>

Well-designed classrooms can boost learning progress in primary school pupils by16%, new research reveals | News portal | University of Salford, Manchester

[http://www.salford.ac.uk/news/articles/2015/well-designed-classrooms-can-boost-learning-progress-in-primary-school-pupils-by-up-to-16-in-a-single-year,-research-reveals](http://www.salford.ac.uk/news/articles/2015/well-designed-classrooms-can-boost-learning-progress-in-primary-school-pupils-by-up-to-16-in-a-single-year%2C-research-reveals)

The Science of Effective Learning Spaces | Edutopia

<https://www.edutopia.org/article/science-of-effective-learning-spaces-melina-uncapher>

New Blueprints for K–12 Schools: Innovative Design Supports Blended Learning — Education Next : Education Next

<http://educationnext.org/new-blueprints-k-12-schools-innovative-design-supports-blended-learning/>

Space Exploration | Harvard Graduate School of Education

<http://www.gse.harvard.edu/news/uk/15/02/space-exploration>

What Does a 'Modern Classroom' Look Like—and What Should Educators Leave Behind? | EdSurge News

<https://www.edsurge.com/news/2016-12-21-what-does-a-modern-classroom-look-like-and-what-should-educators-leave-behind>

Education By Design: Challenging the Traditional Definition of a Learning Space

<http://neatoday.org/2017/02/21/school-design/>

The traditional classroom works so why change it? | eSchool News

<http://www.eschoolnews.com/2017/02/23/classroom-works-change/2/>

Three Trends That Define the Future of Teaching and Learning | MindShift | KQED News

<https://ww2.kqed.org/mindshift/2011/02/05/three-trends-that-define-the-future-of-teaching-and-learning/>

The Incubator School: E Is For Experimental & Entrepreneur : NPR Ed : NPR

<http://www.npr.org/sections/ed/2015/11/13/454313355/the-incubator-school-e-is-for-experimental-entrepreneur>

Taking Small Steps Towards Change At A Big, Traditional High School | MindShift | KQED News

<https://ww2.kqed.org/mindshift/2016/11/29/taking-small-steps-towards-change-at-a-big-traditional-high-school/?utm_content=buffer955f9&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer>

The school of the future has opened in Finland - Linkis.com

<http://linkis.com/brightside.me/articl/hA9KF>

What America Can Learn From Smart Schools in Other Countries - NYTimes.com

<https://mobile.nytimes.com/2016/12/06/upshot/what-america-can-learn-about-smart-schools-in-other-countries.html?smid=tw-share&referer>=

Research: Stale Office Air Is Making You Less Productive

<https://hbr.org/2017/03/research-stale-office-air-is-making-you-less-productive>

Librarians can play central role in creating 'Future Ready' schools | Education Dive

<http://www.educationdive.com/news/librarians-can-play-central-role-in-creating-future-ready-schools/432634/>

Designing Classroom Libraries that Build Knowledge, Vocabulary, and Engagement – Achieve the Core Aligned Materials

<http://achievethecore.org/aligned/designing-classroom-libraries-that-build-knowledge-vocabulary-and-engagement/?utm_content=buffer8d0b4&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer>

**The Role of Technology**

What do we mean when we say, “Transformative learning experiences powered by technology”? – Medium

[https://medium.com/@OfficeofEdTech/what-do-we-mean-when-we-say-transformative-learning-experiences-powered-by-technology-d6fd1af9e257#.a981xopjk](https://medium.com/%40OfficeofEdTech/what-do-we-mean-when-we-say-transformative-learning-experiences-powered-by-technology-d6fd1af9e257#.a981xopjk)

Participate - A Teacher's Helpful Tips for Flipping the Classroom

<https://www.participate.com/articles/a-teacher-s-helpful-tips-for-flipping-the-classroom/4304d05e-472b-4e66-b846-f28fb3074706>

The Relentless Pace of Automation” - MIT Technology Review

<https://www.technologyreview.com/s/603465/the-relentless-pace-of-automation/?utm_source=facebook&utm_medium=post&utm_campaign=atlantic>

When Teachers and Technology Let Students Be Masters of Their Own Learning | EdSurge News

<https://www.edsurge.com/news/2016-12-28-when-teachers-and-technology-let-students-be-masters-of-their-own-learning?utm_content=buffer66681&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer>

District sees massive STEM gains with VR | eSchool News

<http://www.eschoolnews.com/2017/03/20/stem-gains-vr/>

The Innovation Infatuation - Education Next : Education Next

<http://educationnext.org/the-innovation-infatuation/>

**Program and Pathway Options**

What is place-based education and why does it matter? <http://www.gettingsmart.com/wp-content/uploads/2017/02/What-is-Place-Based-Education-and-Why-Does-it-Matter.pdf>

The Imperative of Experiential and Hands-On Learning | User Generated Education

<https://usergeneratededucation.wordpress.com/2016/12/23/the-imperative-of-experiential-and-hands-on-learning/>

Education and Careers: Learners embed with local businesses | District Administration Magazine

<https://www.districtadministration.com/article/career-paths-learners-embed-local-businesses>

Personalized Learning: Meeting the Needs of Students with Disabilities - NCLD

<http://www.ncld.org/archives/reports-and-studies/personalizedlearning?utm_source=ExcelinEd&utm_campaign=4101f56d32-c3_PLSA_from_Karla_Phillips5_6_2016&utm_medium=email&utm_term=0_0473a80b81-4101f56d32-118354933>

Designing Learning Environments that Ensure Success for English Language Learners

<http://www.gettingsmart.com/2015/10/designing-learning-environments-that-ensure-success-for-english-language-learners/>

The Return of Vocational High Schools: More Options or the Kiss of Death? | US News

<https://www.usnews.com/news/articles/2014/05/02/the-return-of-vocational-high-schools-more-options-or-the-kiss-of-death?context=amp>

Reaching the tipping point – competency-based education examples from New England <http://www.inacol.org/wp-content/uploads/2016/09/CompetencyWorks_ReachingTheTippingPoint.pdf>

Teachers are using theater and dance to teach math — and it’s working - The Washington Post

<https://www.washingtonpost.com/local/education/teachers-are-using-theater-and-dance-to-teach-math--and-its-working/2016/02/22/61f8dc0c-d68b-11e5-b195-2e29a4e13425_story.html?utm_term=.78bb03fdff5b>

Scheduling for Learning, Not Convenience | Getting Smart

<http://www.gettingsmart.com/2017/02/scheduling-for-learning-not-convenience/>

**Student Readiness**

Adam Grant on How to Teach and Raise Children Who Are Original Thinkers - The Atlantic

<https://www.theatlantic.com/education/archive/2016/02/educating-an-original-thinker/462468/>

How To Ensure Students Are Actively Engaged and Not Just Compliant | MindShift | KQED News

<https://ww2.kqed.org/mindshift/2016/12/09/how-to-ensure-students-are-actively-engaged-and-not-just-compliant/>

The Global-Ready Student:Beyond Your Classroom's Walls

[http://www.ascd.org/publications/educational-leadership/dec16/vol74/num04/Beyond-Your-Classroom's-Walls.aspx](http://www.ascd.org/publications/educational-leadership/dec16/vol74/num04/Beyond-Your-Classroom%27s-Walls.aspx)

Bored Out of Their Minds | Harvard Graduate School of Education

<http://www.gse.harvard.edu/news/ed/17/01/bored-out-their-minds>

The Four Educative Drives | Alliance for Self-Directed Education

<https://www.self-directed.org/sde/drives/?utm_content=buffer48585&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer>

Want more jobs? Give high school students more exposure to training for a variety of careers - The Washington Post

<https://www.washingtonpost.com/news/grade-point/wp/2017/02/23/want-more-jobs-give-high-school-students-more-exposure-to-training-for-a-variety-of-careers/?utm_term=.83276dfc4510>

What about career readiness? – Medium

[https://medium.com/@chiefsforchange/what-about-career-readiness-45d68f940ffc#.2q8xujnx1](https://medium.com/%40chiefsforchange/what-about-career-readiness-45d68f940ffc#.2q8xujnx1)

Embracing Agile

<https://hbr.org/2016/05/embracing-agile>