

DHEDF Rural STEM Initiative-Suggested Reading
As of 28 Dec 2022

From time to time we learn of articles (either substantive or on policy issues) related to the DHEDF Mission Statement and/or our substantive STEM topics that we think you and/or your students might find of interest. When we learn of the articles, we will post them here. The list is in no way intended to be comprehensive just to share with you articles that we think you might find of interest. If you happen to come across an article that you think might be of interest to the stakeholders in our Rural STEM Initiative, please email Wayne I. Fagan at wifagan@wifagan.com the name of the article and hyperlink to the article for consideration for posting to this list.

For now we are just focused on listing the articles. Over time as we add content to the list we will see if we can add some searchable features to the listing.

<u>Date Posted</u>	<u>Subject</u>	<u>Article Name & Link</u>
2023		
2022		
12/22	Rural Schools	STEM Education in Rural Schools: Implications of Untapped Potential https://files.eric.ed.gov/fulltext/EJ1269639.pdf
12/22	Federal STEM Initiatives	The Biden Administration’s New STEM Initiative: What Will It Mean for K-12 Schools? https://www.edweek.org/teaching-learning/the-biden-administrations-new-stem-initiative-what-will-it-mean-for-k-12-schools/2022/12
12/22	Rural Schools	What is the status of educational opportunity in rural America? https://www.brookings.edu/blog/brown-center-chalkboard/2022/07/13/what-is-the-status-of-educational-opportunity-in-rural-america/
12/22	Rural Broadband	Why the federal government needs to step up efforts to close the rural broadband divide https://www.brookings.edu/research/why-the-federal-government-needs-to-step-up-their-efforts-to-close-the-rural-broadband-divide/#:~:text=As%20even%20the%20FCC%20has,more%20than%20one%20broadband%20option
12/22	Native American Schools	‘The best I can do is email you’: When this Native American family’s high-speed data ran out, they had difficult choices to make https://www.marketwatch.com/story/the-best-i-can-do-is-email-you-when-this-native-american-familys-high-speed-data-ran-out-their-kids-remote-schooling-came-first-11665581596

11/22	Drones	<p>Alabama Extension first in U.S. to research new drone model</p> <p>https://www.alabamane.wscenter.com/2022/11/19/alabama-extension-first-in-u-s-to-research-new-drone-model/</p>
11/22	Drones	<p>Mars Helicopter Completes 34th Flight</p> <p>https://www.avweb.com/aviation-news/space-flight/mars-helicopter-completes-34th-flight/</p>
11/22	Convergence Education	<p>Convergence Education: A Guide to Transdisciplinary STEM Learning and Teaching</p> <p>https://www.whitehouse.gov/wp-content/uploads/2022/11/Convergence_Public-Report_Final.pdf</p>
11/22	Drones	<p>Use of drone to transport organs between cities deemed a success</p> <p>https://sanantonioreport.org/drone-technology-transport-donor-organs-blood-san-antonio/?mc_cid=4e6b6210aa&mc_eid=e9ac1b7dbe</p>
11/22	Wind Turbine	<p>Aeromine’s cutting edge motionless wind turbine needs no blade</p> <p>https://interestingengineering.com/innovation/aeromine-wind-turbine-without-blade</p>
11/22	Drones	<p>Manned ‘drone’ takes to air at show</p> <p>https://www.farmprogress.com/technology/manned-drone-takes-air-show</p>
11/22	Drones	<p>Amazon previews its new delivery drone, the MK30</p> <p>https://techcrunch.com/2022/11/10/this-is-amazons-new-delivery-drone-the-mk30/</p>
11/22	K-12(General)	<p>Departing chief of San Antonio’s biggest school system says politics hurts education’s real work</p> <p>https://www.expressnews.com/news/local/article/NISD-superintendent-Brian-Woods-politics-17552837.php?utm_campaign=CMS%20Sharing%20Tools%20(Premium)&utm_source=UTMSOURCE&utm_medium=UTMMEDIUM#</p>

11/22	Teacher Development	<p>iAspire Leadership Academy https://sites.google.com/view/aspire-alliance/institutional-change/iaspire-leadership-academy</p> <p>UTSA faculty members selected to join national STEM leadership program https://www.utsa.edu/today/2022/10/story/professors-selected-to-be-aspire-fellows.html</p>
10/22	Mentoring (Student to Student)	<p>San Antonio high school student wins national award for helping bring STEM education to underserved communities https://www.ksat.com/news/local/2022/10/05/san-antonio-high-school-student-wins-national-award-for-helping-bring-stem-education-to-underserved-communities/</p> <p>San Antonio Math Include https://mathinclude.org/</p>
9/22	Women in Aviation(WAI)	<p>WAI Relaunches Aviation for Girls App https://stateaviationjournal.com/index.php/aviation-education/wai-relaunches-aviation-for-girls-app</p>
9/22	Drones	<p>Drones find niche in field - Agronomists find field uses for drones https://www.farmprogress.com/technology/drones-find-niche-field</p>
9/22	NASA	<p>New NASA Program Funds Universities To Boost High School Students' Interest In STEM https://www.forbes.com/sites/michaelnietzel/2022/09/10/new-nasa-program-funds-universities-to-boost-high-school-students-interest-in-stem/?sh=6291cb10325a</p>
9/22	High - Altitude Balloon Science	<p>NC Science Now High-Altitude Balloon Science Video Grades: 6-8, 9-12</p> <p>https://klrn.pbslearningmedia.org/resource/b321595e-e3bd-4322-b8db-baa651b14120/nc-science-now-high-altitude-balloon-scienceunc-tv-science/</p>
9/22	Virtual Teaching	<p>How Does Teaching Virtually Fit Into Today's Classroom? https://www.nms.org/Resources/Newsroom/Blog/2022/August/How-Does-Teaching-Virtually-Fit-Into-Today-s-Class.aspx</p>

8/22	Latinas in Aviation	<p>First Latina military pilot Olga Custodio to receive 2022 Hispanic Heritage STEM Award</p> <p>https://hispanicheritage.org/first-latina-military-pilot-olga-custodio-to-receive-2022-hispanic-heritage-stem-award/</p>
8/22	Women Astronauts	<p>Career Chat with an Astronaut</p> <p>https://www.vivifysystem.com/thestemspace/2022/76/career-chat-with-an-astronaut?ss_source=sscampaigns&ss_campaign_id=62faba802441d003d4ac858c&ss_email_id=62fadfbf3dbf7611a4a96554&ss_campaign_name=STEM+%241+Deals%21&ss_campaign_sent_date=2022-08-16T00%3A08%3A01Z</p>
8/22	Native American	<p>How to Close the STEM Achievement Gap for Indigenous Students: Feature Local Culture</p> <p>https://www.edweek.org/teaching-learning/how-to-close-the-stem-achievement-gap-for-indigenous-students-feature-local-culture/2022/06</p>
7/22	Rural Schools	<p>Rural Texas districts struggling to attract teachers are switching to four-day school weeks</p> <p>https://www.expressnews.com/news/education/article/Rural-Texas-districts-struggling-to-attract-17325365.php?utm_campaign=CMS%20Sharing%20Tools%20(Premium)&utm_source=share-by-email&utm_medium=email</p>

