

# RESOURCES

from

## Supporting All Learners Using Active Learning Pedagogy

WEBINAR HELD: Thursday, October 25 from 3:30 - 5:00 p.m. EDT

### Shared by National Researcher - Dr. Jose Blackorby, CAST & Harvard Graduate School of Education:

- Meyer, A., Rose, D. H., & Gordon, D. (2014). *Universal design for learning: Theory and Practice*. Wakefield, MA: CAST Professional Publishing. Free web edition (free login required): <http://udltheorypractice.cast.org/login>  
Print versions: full color - ISBN: 978-0-9898674-0-5; black-and-white - ISBN 978-0-989674-2-9
- Tedx Talk: The Myth of Average by Todd Rose, co-founder and president of The Center for Individual Opportunity. <https://www.youtube.com/watch?v=4eBmyttcfU4>
- Rappolt-Schlichtmann, G., Daley, S. G., Lim, S., Lapinski, S., Robinson, K. H., & Johnson, M. (2013). Universal Design for Learning and elementary school science: Exploring the efficacy, use, and perceptions of a web-based science notebook. *Journal of Educational Psychology*. 105(4), 1210-1225. doi: 10.1037/a0033217 <https://bit.ly/2PTLjxd>

### Shared by Preparation Program Principal Investigator – Dr. Jiwon Hwang, California State University, Bakersfield:

- Hwang, J., & Taylor, J. C. (2016). Stemming on STEM: A STEM Education Framework for Students with Disabilities. *Journal of Science Education for Students with Disabilities*, 19(1), 4. <https://files.eric.ed.gov/fulltext/EJ1169381.pdf>
- Moorehead, T., & Grillo, K. (2013). Celebrating the Reality of Inclusive STEM Education Co-Teaching in Science and Mathematics. *Teaching Exceptional Children*, 45(4), 50-57. <https://eric.ed.gov/?id=EJ1008521>
- Basham, J. D., & Marino, M. T. (2013). Understanding STEM education and supporting students through universal design for learning. *Teaching Exceptional Children*, 45(4), 8-15. <https://eric.ed.gov/?id=EJ1008516>

### Shared by STEM Teacher Leader – Dr. Richard E. Eitel, Bryan High School - Omaha, NE:

- STELAR: STEM Learning and Research Center. NSF supported repository with numerous resources for classroom teachers and researchers including curricular materials, webinars, and research instruments. <http://stellar.edc.org>
- Teacher geek: STEM storefront including versatile kits and resources for classroom engineering projects. The kits were the basis for my gravity light project. <https://teachergeek.com>
- Engineering 4 Youth: A collection of engineering design curricula developed by Christine Schnittka at Auburn University. The gravity light design project was taken from Dr. Schnittka's "Save the Snails" curriculum. <https://engineering4youth.weebly.com/curricula-i-designed.html>

### Shared by the American Association for the Advancement of Science (AAAS):

- The KC EMPOWER Project Designing More Accessible STEM Learning Activities – paper and concrete examples from an effort to examine how STEM resources could be made more accessible for students, regardless of what abilities they bring to the table. [http://www.k12stemeducation.in.th/journal/article/view/33/pdf\\_1](http://www.k12stemeducation.in.th/journal/article/view/33/pdf_1)
- The DO-IT (Disabilities, Opportunities, Internetworking, and Technology) Center is dedicated to empowering people with disabilities through technology and education. <https://www.washington.edu/doit>