

Bruce Wellman
Chemistry, Engineering, and Robotics Teacher
Olathe Northwest High School



Bruce Wellman currently teaches high school students chemistry and engineering design at the Olathe Public Schools' Engineering Academy at Olathe Northwest High School in Olathe, Kansas. He is a Nationally Board Certified Teacher (Adolescent and Young Adulthood Science, Chemistry) since 2006 and is active on several professional organization committees: the American Society for Engineering Education Board of Directors' Committee on P12 Engineering Education, the National Academy of Engineering's Consensus Report Committee on Educator Capacity Building in PreK-12 Engineering Education and the Kansas Computer Science K-12 Model Standards Committee.

Wellman has been involved in many facets of the U.S. science, technology, engineering and mathematics (STEM) education community at the local, state, and national level. Wellman served as the program facilitator and department chairperson for the Olathe Public Schools' Engineering Academy for several years and facilitated numerous teacher professional development activities for Olathe Public School District science teachers related to active learning teaching methods and shifts required for science teachers to align to Kansas' Next Generation Science Standards (NGSS). He has also presented at numerous regional and national science and engineering education conferences. At the state level, Wellman served on the leadership team of Kansas' NGSS Lead-States Review-Committee as the lead reviewer for engineering standards, and he has served as a candidate support provider with the Great Plains Center for National Board Teacher Certification in the Jones Institute for Educational Excellence at Emporia State University.

Wellman has also served in various roles associated with STEM teacher preparation, STEM Education Research, and Education Policy. Wellman was an adjunct instructor for Science Teaching Methods at Rockhurst University in Kansas City, Missouri, and has served as a mentor teacher for several student teachers from the University of Kansas. He has served on review panels for the National Science Foundation and was a review team member for the Advisory Committee of the Division of Behavioral and Social Science and Education (DBASSE) of the National Academy of Sciences. Wellman was a Teaching Ambassador Fellow (2011-12) with the U.S. Department of Education and a National STEM Teacher Ambassador (2017-18) with the National Science Teachers Association and the National Council of Teachers of Mathematics. Wellman received the Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST) in 2009 and the Outstanding Alumni Award from Penn State's Eberly College of Science in 2011.

Wellman received his B.S. degree in General Science from Penn State University and his M.S. in Education from the University of Rochester (NY).