

1116-M5-969      **Patsy Wang-Iverson\*** (pwangiverson@gmail.com). *Can Origami Help Improve Student Learning of Mathematics?*

Individual teachers have incorporated origami into the classroom over the years, but a search for the word in the Common Core State Standards yields no results. Thus, origami does not appear to be generally recognized and accepted as a vehicle for facilitating student learning of mathematics, although Illustrative Mathematics offers some lesson plans that do include origami. Studies also have been conducted on the 'effectiveness' of origami. However, they did not focus on mathematics content knowledge. In this presentation, we will examine some items from TIMSS (Trends in International Mathematics and Science Study) 2011 and discuss ways in which origami might have helped improve student performance and understanding of the mathematics concepts. We will conclude with a discussion of how origami is facilitating cutting-edge STEM research. (Received September 15, 2015)