

1077-J5-1386 **Dale K Hathaway*** (hathaway@olivet.edu), One University Avenue, Department of Mathematics, Olivet Nazarene University, Bourbonnais, IL 60914. *Origami for Math Clubs*.

A topic that is included in our math club every year is mathematical origami. Student's love the hands on activity and the fact that they get to take something physical from math club that day, stimulating conversations all across campus. The Pentagon-Hexagon Zig-Zag (PHiZZ) units developed by Tom Hull are a favorite because of the ease of construction and the flexibility of the models that can be constructed. Other origami models with mathematical implications have been used and will be discussed including creating dodecahedrons and using business cards to create fractal sponges. This talk will discuss how to implement this topic along with suggestions for mathematical connections and supplies to use. (Received September 19, 2011)