

1116-K6-1182      **Hossein Behforooz\*** (hbehforooz@utica.edu), 1600 Burrstone Road, Utica, NY 13502. *On the Artistic Aspects of Magic Squares*. Preliminary report.

Abstract: We know that the magic squares are the major component and the most important part of the Recreational Mathematics. But in the same time, in the traditional literature and these days in the internet, we can find many artistic aspects of different magic squares. For example we can see magic square as part of the masterpiece engraving from Albrecht Durer, which is 500 years old now. In this short presentation I will present many magic squares related to art including Durer Magic Square and its interesting properties. Then we will use the pattern of this magic square to transform the dates on a calendar and make a magic square. This is a brand new way to construct magic squares. We will conclude this lecture by demonstrating a three dimensional weighted magic square. Come and join us and have fun. Math is ART and Math is FUN. (Received September 17, 2015)