

1145-E5-1252 **JoAnne Growney*** (japoet@msn.com), 7981 Eastern Ave, #207, Silver Spring, MD 20910. *Add Poems to Math Class.*

Mathematics gains value each time one of us interacts with it – a conservationist calculates changing ocean temperatures, an algebraist sees symmetry patterns and discovers structures that match them, a child names the positive integers aloud as she learns to count. Important, too, are our feelings about mathematics – our achievements or frustrations as we encounter the subject, our admiration for its creators, our appreciation for our teachers. Poems can be a concise way of bringing math attitudes and math personalities – such as Sophie Germain (who dressed as a man so she might attend mathematics classes) or a demanding teacher or an anxious student – into focus for brief but thoughtful consideration. Samples will be offered in this presentation of a variety of such poems– samples collected and freely available to all in the blog "Intersections – Poetry with Mathematics" at <https://poetrywithmathematics.blogspot.com>. The presentation also will offer samples of the ways that mathematical patterns give structure to poetry: in sonnets – and also in snowballs and squares, in the Fib and the Skinny, and in Pilish. (Received September 20, 2018)