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Sloan E Despeaux* (despeaux@wcu.edu), Department of Mathematics and CS, 424 Stillwell Building, Western Carolina University, Cullowhee, NC 28723. *Oulipo: Applying Mathematical Constraints to Poetry, Prose, Art, Dance, and More in a Mathematics for Liberal Arts classroom.*

Oulipo (Ouvroir de littérature potentielle, or Workshop on potential literature), an over fifty-year old movement that began in France, seeks to apply mathematical constraints to literature and the arts. In this talk, I will give a brief survey of this movement and how I have built a learning module based on it for my MLA course. I will provide examples of student-created, mathematically-constrained poetry, comic strips, dance routines, music studies, and videos. These projects allow my students to apply mathematics to their interests in literature and the arts. (Received August 27, 2012)