

1014-N1-1411      **Michael P. Saclolo\***, St. Edward's University, 3001 South Congress Avenue, Austin, TX 78704.  
*Mathematics and the Creation of Literature*. Preliminary report.

Mathematics is used as inspiration, constraint, or even subject of the literary work. Some writers produce texts (or forms thereof) that reflect mathematical patterns or rules, for instance as prescribed by a number sequence. Others may employ combinatorial laws to create "potential" literature, where the reader may be challenged to create along with the writer. Still others, while working with a particular alphabet, may regard it as a set of letters, and decide to create literary work with the constraint of employing only a subset. And whereas much can be done within these constraints in the poetry genre, authors are also producing novels (and works in prose, general) that reflect some sort of mathematical constraint or inspiration. This talk will expose the audience to examples of how writers create such literature, and may even challenge some to produce their own. (Received September 28, 2005)