

1077-O1-2843 **Elizabeth McMahon*** (mcmahone@lafayette.edu) and **Rebecca Gordon.** *Hands-On SET*[®].
The card game SET[®] can be used to understand finite geometry in a hands-on way. In Liberal Arts classes, this can be used to show how a fun game can involve surprisingly deep mathematics. In teacher training classes, future teachers can be shown how to use SET[®] to get students excited in math classes. The upper level mathematics courses where the game can be used include Combinatorics, Introduction to Proofs and Geometry. We will show some hands-on activities and provide handouts for more. (Received September 22, 2011)