The pop-switch planar algebra is a new planar algebra containing the Temperley-Lieb planar algebra. It is motivated by Jones’ idea of the “graph planar algebra” of type $A_n$. Complicated calculations using the graph planar algebra can be done pictorially in this new planar algebra.

The Jones-Wenzl projections are important elements of the Temperley-Lieb planar algebra, yet are very complicated to write down. Viewing the pop-switch planar algebra as a matrix category, the Jones-Wenzl projections are direct sums of very simple diagrams. I will present this new planar algebra and discuss this method of viewing the Jones-Wenzl projections. (Received September 18, 2013)