Inquiry based learning is the foundation from which we teach liberal arts math at our institutions. Students work in groups from materials we provide which guide them to explore, discover, conjecture, test and verify mathematical results. We will present our unit on Celtic Knots. It is one of the first topics students see in our classes so the mathematics is not complicated. However, the students are adjusting to the process of inquiry and learning how to attack problems. We act only as guides when the students are stuck and frustrated. The materials we will present take two or three class periods and allow students to work on paper to draw knots and with manipulatives to fully understand the construction process. Students discover rules for when knots will have loose ends, for where those ends will fall, and for how many strands a particular knot will have. Realizing that simple mathematical concepts can predict complicated structures prepares the students to approach more complicated problems with an open mind and the feeling that they can succeed at finding the pattern and resolving the conflict. (Received September 25, 2012)