If a stick is broken up at two points, chosen at random along its length, what is the probability that the pieces obtained form a triangle? This question, which first appeared in an 1854 examination at Cambridge University and has since become a classic probability puzzle, served as motivation and starting point for an IGL project in 2012-13. The project team investigated, both theoretically and experimentally, generalizations of this question to broken sticks with \( n \) pieces. In particular, using higher-dimensional integrals, they obtained an exact formula for the probability that one can form at least one triangle from the pieces of an \( n \)-piece broken stick. Members of the team have presented their work at undergraduate conferences at the University of Texas, the Rose-Hulman Institute of Technology (where Lkhamsuren won the Best Presentation Award), Ohio State University, and at the Undergraduate Student Session of the MAA MathFest. Team members also engaged in a variety of outreach activities, including visits to local middle and high schools, and participation in the UI Public Engagement Symposium.