PI TAU SIGMA ANNUAL CHAPTER REPORT

2010-2011

COLUMBIA DELTA OMICRON

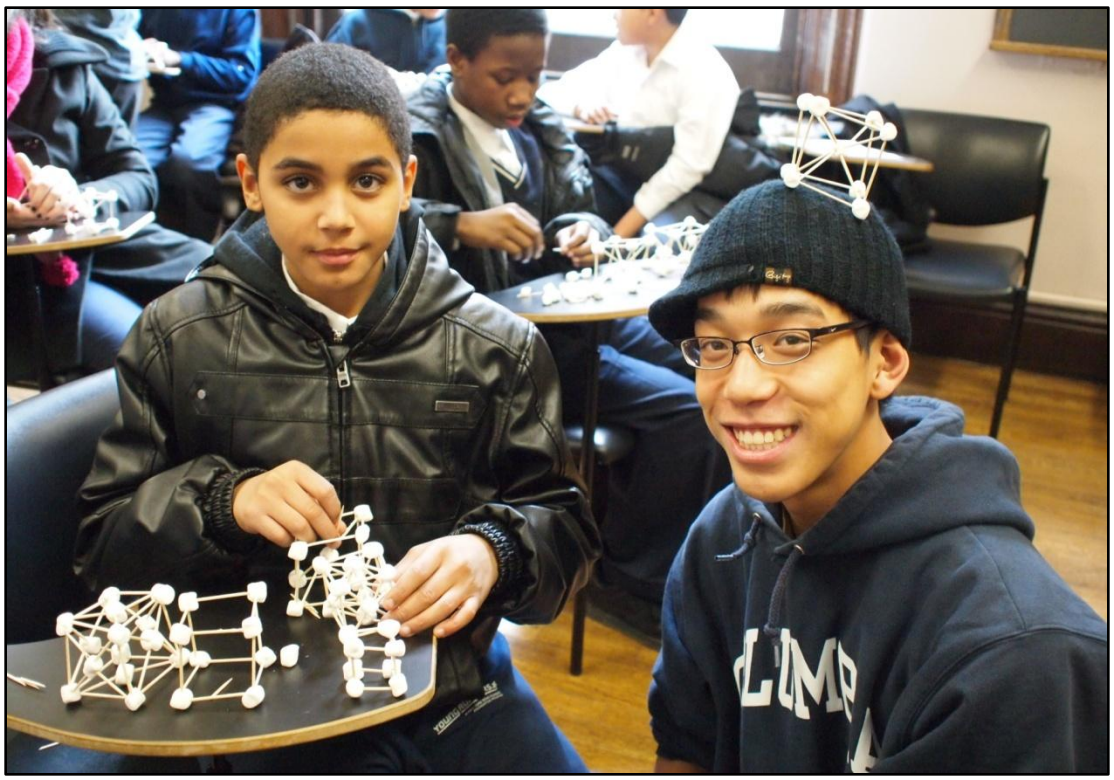
A. Initiations

During the 2010-2011 school year, the Columbia Delta Omicron Chapter of Pi Tau Sigma initiated twelve new members, five seniors and seven juniors. Candidates were selected on the basis of their cumulative grade point average and then approved by the faculty of the Mechanical Engineering Department. Juniors being initiated represented roughly the top 10% of their class while seniors represented the top 20%, excluding those who were already members. In fairness to students in the 3-2 program, who enter the University as juniors after completing a bachelors program at another institution and thus have no grades on record until after the fall semester, all new members were initiated in the spring on February 3rd, 2011. The initiation ceremony was based on the rituals outlined in the Chapter Guide, followed by a celebratory lunch.

B. Chapter Activities

Following previous years of relative inactivity, The Columbia Delta Omicron chapter sought to become a more active and involved chapter during the 2010-2011 school year. Chapter meetings were called when necessary to discuss important chapter business. Additionally, we sent two delegates to the convention at the University of Illinois – Chicago last February.

The Columbia Delta Omicron Chapter also participated in a Science Career Day for local middle school students from the Bronx, Brooklyn, and Manhattan. A few of our members volunteered to speak to students and run a lecture at the event. The lecture consisted of a brief introduction to Mechanical Engineering and then a lesson on crystals, their properties, and different crystal structures. After the lecture, the kids had time to make their own unit cells (some of the more ambitious students started connecting their cells together to make crystals) out of marshmallows and toothpicks.



Simple Cubic
BCC
Body centered
FCC
Face Centered Cubic