1. Exposing Computer Science Abstract Models to High School, freshman, and junior college students.

   Models on Operating Systems
   Models on Computer Theory

   Each pair of students will be given a Model in any of the above two areas. They will research the models and look for everyday activities where the given model could be applied. They will them design the activity using the model. They will submit a paper or continue to program the design into an API for a hand held device. Requirement: Complete a first intro programming language.

2. Concurrency or Parallel versus sequential programming A pair of student will analyze problems that they have worked already in intro and advanced programming languages courses. They will investigate how these problems could be solved on parallel. Requirement: Advanced data structure course.