1128-03-217   **Tom Richmond*** (`tom.richmond@wky.edu`), Department of Mathematics, Western Kentucky University, 1906 College Heights Blvd., Bowling Green, KY 42101. *Introducing Research through a Computational Problem Solving Course.* Preliminary report.

A cross-listed Math and Computer Science course in Computational Problem Solving is offered at my institution. Students use Mathematica to discover and investigate patterns. The course has only a computer science course as prerequisite and Calculus I as a pre- or co-requisite. The course is required for students of Kentucky's Academy of Math and Sciences, which is located on our campus. The last half of the course is dedicated to open-ended student projects. We will discuss how this course promotes investigative discovery and introduces students to research methods. (Received February 27, 2017)