

1014-K1-1009      **David F Snyder\*** ([ds08@txstate.edu](mailto:ds08@txstate.edu)), Dept. of Mathematics, MCS 470, Texas State University, 601 University Drive, San Marcos, TX 78666. *Initial Probes of Mathematics: a Systematic Approach.*

What needs be present to engage undergraduate students in a research project, outside the classroom setting? And what suffices?

This presentation will discuss a process by which the presenter has been able to maintain a consistent program engaging undergraduate math majors in research projects within his home department. By systematically looking at the components, players, resources, and aims composing the research or scholarly experience, it is possible for faculty to organize a consistent, effective approach to engaging their students in the joy of mathematics research and scholarship. (Received September 26, 2005)