Scientifically Based Research
Information provided from Georgia Higher Education

1. Proposals must show scientifically based research supporting at least one major component of its plan of action.

2. Scientifically based research includes research that is relevant to education activities and programs and employs one or more of the following:

    a. Systematic and objective procedures.
    b. Observations or experiment.
    c. Hypotheses testing.
    d. Data from multiple observers and measurements related to other studies.
    e. Acceptance by a peer reviewed journal.
    f. Details sufficient fro replication or offer a basis to build on findings.

3. Proposals that are based on nationally known resources will also be seen as a component of the research requirement.

The following are recommended resources:

A. Loucks-Horsley, S., Hewson, P.W., Love, N., & Stiles, K.E. (1998). Designing Professional Development for Teachers of Science and Mathematics. Thousand Oaks, CA: Corwin Press.

B. Milken Family Foundation. (2000). How Teaching Matters: Bringing the Classroom Back into Discussions of Teacher Quality. Princeton, NJ: ETS. Available at: www.ets.org/research/pic

C. Garet, M. S., Porter, A. C., Desimone, L., Birman, B F., & Yoon, K. S. (2001). What makes professional development effective? Results from a national sample of teachers. American Educational Research Journal, 38(4), 915-945.