

FAST FACTS

Scientifically-Based Research

What is scientifically-based research?

When an instructional program or practice is based on scientifically-based research, there must be consistent and reliable evidence that the particular program or practice has been proven effective in raising academic achievement.

Scientifically-based research is defined as research that involves the application of rigorous, systematic, and objective procedures to obtain reliable and valid knowledge relevant to educational activities and programs. This includes research that:

- Employs systematic, empirical methods;
- Involves rigorous data analyses;
- Relies on measurements that provide reliable and valid data;
- Uses experimental or quasi-experimental designs;
- Ensures that studies are clear and detailed to allow for replication; and
- Has been reviewed or accepted by independent experts.

How does scientifically-based research affect Title I programs?

- All Title I programs, both targeted assistance and schoolwide, must use instructional strategies and methods that have been proven by scientifically-based research to have a positive impact on student performance.
- All schools that receive Title I funds must provide documentation, upon request, as to how the program and strategies they employ are based on scientifically based research.
- Title I paid staff who provide instruction in reading and/or math, as well as all staff teaching reading and/or math in a schoolwide program, must use instructional strategies and methods that are based on scientifically-based research.

If you have questions regarding this issue, please contact the Division of Student Support & Innovation at (888) 605-1951.