

**WAC 392-172A-01165 Scientifically based research.** Scientifically based research:

(1) Means research that involves the application of rigorous, systematic, and objective procedures to obtain reliable and valid knowledge relevant to education activities and programs; and

(2) Includes research that:

(a) Employs systematic, empirical methods that draw on observation or experiment;

(b) Involves rigorous data analyses that are adequate to test the stated hypotheses and justify the general conclusions drawn;

(c) Relies on measurements or observational methods that provide reliable and valid data across evaluators and observers, across multiple measurements and observations, and across studies by the same or different investigators;

(d) Is evaluated using experimental or quasi-experimental designs in which individuals, entities, programs, or activities are assigned to different conditions and with appropriate controls to evaluate the effects of the condition of interest, with a preference for random assignment experiments, or other designs to the extent that those designs contain within condition or across condition controls;

(e) Ensures that experimental studies are presented in sufficient detail and clarity to allow for replication or, at a minimum, offer the opportunity to build systematically on their findings; and

(f) Has been accepted by a peer-reviewed journal or approved by a panel of independent experts through a comparably rigorous, objective, and scientific review.

[Statutory Authority: RCW 28A.155.090(7) and 42 U.S.C. 1400 et. seq. WSR 07-14-078, § 392-172A-01165, filed 6/29/07, effective 7/30/07.]