- 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, \S 392-172A-01165, filed 6/29/07, effective 7/30/07.]