

Goal 2. Provide a statewide system of professional development training for data analysis that reaches every district.

Professional development training in this proposal is a statewide system of support to schools in data analysis provided by the NDE Data Trainers and the ESUs through a coordinated plan. Through the ESU Coordinating Council, which consists of the administrators from each service unit, resources exist to support a collaborative effort between educational service units and the Nebraska Department of Education to develop and coordinate a statewide plan of professional development in the use of data. In addition, through Nebraska's 17 Educational Service Units, 35-40 professional development consultants representing 17 regional educational service units are naturally positioned to provide support in this area to the school districts within their regions.

Cadres have been established with representatives from each of the ESUs around the core academic subject areas. This plan would create a Data Analysis Cadre of 6 to 8 professional development representatives from the ESUs to work with the four NDE Data Trainers and members of the research community to develop the framework and training materials described below.

Deliverable 2.1 Training Materials

The Data Analysis Cadre would:

1. Develop a framework for data analysis designed to assist educators in:
 - a. Understanding how to interpret a variety of data
 - b. Determining the factors that may explain what the data show
 - c. Considering appropriate research based responses to what the data show (e.g. adjustments to instruction, professional development, educational resources, and programs)
2. Develop training materials to be used by all ESU consultants responsible for implementing data analysis training with districts with the following outcomes:
 - a. Develop high levels of data literacy
 - b. Develop high levels of understanding of a variety of school data
 - c. Develop facility with the tools available for data analysis (i.e., the Data Reporting System, the proposed data analysis and reporting tool, etc.)
 - d. Develop and understanding of school data's relationship to the improvement of teaching and learning
 - e. Develop proficiency in implementing strategies for assisting teachers and administrators in analyzing and responding to school data

Deliverable 2.2 Delivery of Training to Every District

Provide professional development training in:

- a. Tier 1 – The Data Analysis Cadre would train the 35-40 professional developers in the data analysis framework and training materials
- b. Tier 2 – The Professional Developers and Data Analysis Cadre would train teams of educators from multiple school districts to provide training at their respective schools

- c. Tier 3 – The Professional Developers, Data Analysis Cadre and district staff, trained under Tier 2, will facilitate data analysis sessions for staff from entire school buildings and/or districts
- d. Tier 4 – The Data Analysis Cadre and Professional Developers will provide ongoing support to schools in the effective use of data

Deliverable 2.3 Monitoring and Evaluation of Training

The Professional Developers and NDE will monitor the implementation and evaluate the effectiveness of data analysis support in every district. The evaluation of the statewide system of professional development training will be included in the overall evaluation of this proposal.

The deliverables in this category include all of the activities outlined above. Grant funds would support the development of the training materials, support for districts for Tier 2 training, and the evaluation and monitoring of the training.