

Data Analysis and Research

Nebraska's 2012
State Longitudinal Data System
Grant
Institute of Education Sciences

Goal 1

Provide a data analysis tool for districts that uses multiple local and state data sources to produce reports for local decision makers.

- Deliverable:
 - 1.1 A Data Analysis and Reporting Tool (DART)
- Process:
 - *Build or buy decision on the data dashboard tool*
 - *Develop or customize with several pilot districts*
 - *Expand throughout the state*

John J. Jones
Grade: 12 - Sample High School



Missing Assignments select a class below

Pd	Course Title	Teacher	Incomplete Assignments
0	Co-Ed PE	McCarthy, P	0
1	Economics Hnrs	Beck	0
2	Ceramics 1/2	Gresham, M	0
3	Calculus AB AP	Butler	0
4	AVD SeniorSeminar	Molina, Y	4
5	Teacher Asst	Watkins, B	0
6	Adv English Lit	Donde, Z	6

Attendance click the numbers below

Unexcused Period Absences	Excused Period Absences	Unexcused Period Tardies	Excused Period Tardies	Unexcused All Day Absences	Excused All Day Absences
2	17	1	0	0	1



CAHSEE and CST Tests

Test	Test Name	Test Date	Score	Perf Lvl
CAHSEE Mathematics		02/01/2009	433	Pass
CAHSEE ELA		02/01/2009	390	Pass
CST	Engl/Lang Arts Total	05/01/2010	391	4



Grade Point Average click below to view grades

GPA	GPA Unweighted	Total GPA	Tot GPA Unweighted	Class Rank	Class Size
2.65	2.51	2.70	2.57	219	465



Graduation Credits click below to view credits

Subject	Credit Required	Credit Attempt	Credit Complete	Credit Needed
Total	215	195	185	30

Goal 2

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

- Deliverables:
 - 2.1 Training materials
 - 2.2 Delivery of training to every district
 - 2.3 Monitoring and evaluation of training

Goal 2 Process

- Tier 1 –The Data Analysis Cadre would train the 35-40 professional developers in the data analysis framework and training materials
- 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
- 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
- Tier 4 –The Data Analysis Cadre and Professional Developers will provide ongoing support to schools in the effective use of data

Goal 3

Build a research and evaluation operation in NDE collaboratively with the research community.

- Deliverables:
 - 3.1 Training for NDE program staff
 - 3.2 Disseminating data, research and analysis findings

Goal 4

Expand and enhance the SLDS for sustainability.

- Deliverables:
 - 4.1 Customer Relationship Management
 - 4.2 Data Governance Plan Components
 - 4.2.1 Data dictionary aligned with CEDS
 - 4.2.2 Data model
 - 4.2.3 Metadata
 - 4.3 Interstate Locator
 - 4.4 Enrollment data support

Stakeholder Involvement

- Policy Advisory Committee
 - Similar to the previous reporting advisory group
 - Provide input into the overall implementation of grant activities
 - Goal 1
 - Build or buy decision
 - Districts to pilot dashboards
 - Monitor progress through quarterly meetings
 - Assist with the evaluation plan

District Data Collections Group

- Data stewards from across the state
- Support for the technical side of data collections
- Conference calls on issues
 - Provide feedback to changes in NSSRS
 - Advice on how to assist districts
- Requesting volunteers to expand this group

Funding

About 4.4 million dollars over three years for --

- Additional staff to support goals and activities
- Equipment and software
- Contracts with vendors for Customer Relations Management and Interstate Locator
- Contracts with pilot districts for dashboard
- Support for ESU and district training for professional development

GOAL 2 DETAILS

- Collaborative model between NDE, the ESUCC and ESU Professional Developers
- Focus on the analysis of data to inform professional development, instructional practices, and school improvement

Centered Around a Framework of analysis that assists in

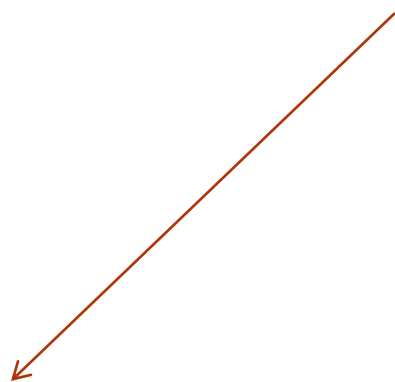
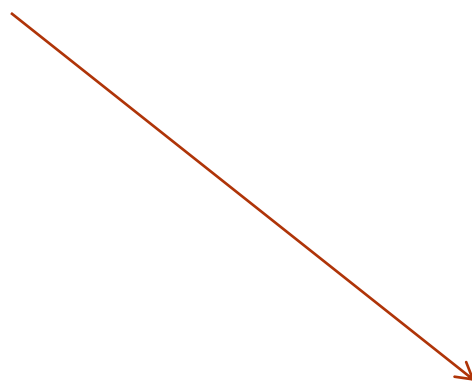
- Understanding how to interpret a variety of data
- Determining the factors that may explain what the data show
- Arriving at appropriate research based responses to what the data show (PD, Interventions, programs, resources)
- Determining if the responses are or were effective

Framework cont.

- Informs the adjustments to or continuation of the responses
- Feeds a model of continuous school and district improvement

ESUCC

NDE



Steering Committee (Data
Cadre)

ESU and NDE members



Training for ESU Professional developers



Training for districts statewide and entire schools

Work of steering committee (Data Cadre)

- Divided tasks so that no single person is burdened
- May utilize experts not on the standing committee for parts of certain projects or portions of the training
- Will utilize existing processes and work already in place to integrate with present practices for school improvement and current ESU work and PD.

Delivery of trainings

Multiple Modes

- Face to face
- Hands on practice based components in the training
- LMS delivery
- Archived for review and access at any time

TIMELINE

- Framework to be presented at May PDO retreat
- First phases of the training to roll out in summer of 2013
- Incremental delivery in terms of content and tiers
- First phases of training would include $\frac{1}{2}$ of schools in the first year and the second $\frac{1}{2}$ in the second year

Evaluation and Monitoring

- Part of the task of the Data Cadre
- Monitoring of the level of implementation within districts and schools
- Evaluation of the effectiveness of the training
- Evaluation of the support to every district

Sustainability and strengths of the model

- Leverages existing staff at both NDE and ESUs (not a lot of new staff that will be gone when the grant expires)
- Allows more rapid coverage of the districts and schools throughout the state with tiered training

Model strengths cont.

- Brings together the data and professional development components (ESU, NDE partnership)
- Variety of delivery mechanisms
- Helps form the base for continuous school improvement