



Arizona Educational Research Organization

POINTING THE WAY TO CLARITY

Arizona Educational Research Organization

20th Annual Conference

November 8th – 9th, 2007

<http://azedresearch.org>

**ASU Downtown Center
502 E. Monroe Street
Phoenix, Arizona**

A Message from the AERO President

Welcome conference participants to the 20th annual AERO conference. As with each AERO conference over the past two decades our focus has been to bring together educators at public schools and universities in Arizona to focus on the state of education in Arizona and nationally. This year's conference theme "Making Research Relevant" seems appropriate given the high stakes nature of school accountability, state and federal policy revisions as well as the potential reauthorization of No Child Left Behind. The educational research community has seen great changes during the past twenty years and AERO has been there every step of the way providing an opportunity for collaboration, partnership and public forums for some of our great leaders.

This year's program represents many highlights. We welcome Superintendent Tom Horne and Matthew Ladner (Goldwater Institute) to the conference with what is sure to be a lively debate on the nature of educational statistics. We are also happy to be able to have many invited presentations for our members this year: Dr. Larry McBiles will be sharing great information regarding "Confronting Resistance and other Performance Challenges in School Reform"; Joanne Arhar will conduct a workshop on "Action Research for Educational Professionals" and Dr. John Bergen will present on "Technology, Intervention and Standards Mastery". Additionally, we are happy to have many affiliated organizations joining us this year. We welcome back Arizona Professors of Educational Administration (APEA); we are happy to continue a great relationship with this fine organization. We are also happy to welcome for the first time the DELTA Doctorate program from ASU Downtown Campus under the leadership of Dr. David Garcia. We look forward to many years of partnership to come.

AERO would like to acknowledge with appreciation the support of our sponsors this year. Our thanks go to The University of Phoenix, to CTB McGraw Hill and to Assessment Technology Incorporated (ATI) for supporting the conference. The Board would also like to thank Attila Laczko, our web master, for taking on the challenge of bringing the organization into the twenty-first century; his expertise allowed for the flawless online submission process and automatic payment option for this year's conference.

Lastly, I would like to extend my sincere gratitude to the entire AERO Board. They have been extremely generous with their time and support to make this conference a great success. The AERO Board is a small but mighty group and we are always looking for new members to help move the organization forward. As our current secretary, Joe O'Reilly said in 1986, "With the help of you and other members, AERO should continue to prosper for many years to come".

Enjoy the conference!

Ildiko Laczko-Kerr- President
Arizona Educational Research Organization

2007-2008 AERO Officers and Board Members

President	Ildiko Laczko-Kerr, Scottsdale Unified School District
Past President	Joseph M. Ryan, ASU at the West Campus
Conference Chair	Cindy Ziker, Glendale Union High School District
Secretary	Joe O'Reilly, Mesa Public Schools
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Newsletter Editor	Carrie Giovannone, Arizona Department of Education
Affiliates:	University of Phoenix ASU Downtown Delta Group Assessment Technologies, Inc. CTB McGraw Hill ASU West Arizona Professors of Education Administration

November 8th, 2007 Program at a Glance

8:00am	Registration		
9:00am	Rooms C340-350		
9:00am	Tom Horne		
10:30am	Matthew Ladner		
10:30am	Break		
10:45am	Room C340	Room C300	Room C350
10:45am	Ildiko Laczko-Kerr	Adam Honea	Kelly Powell
12:00pm	Joe O'Reilly	Jake Burdick	
	John Wilson	Leona Lobell	
12:00pm	Rooms C340-C350		
1:00pm	Lunch. Sponsored by University of Phoenix		
1:00pm	Rooms C340-C350		
	Larry McBiles, Ph.D.		
2:15pm			
2:15pm	Rooms C340-C350		
3:30pm	AERO Reception. Sponsored by CTB/McGraw Hill		

Program Schedule Detail for November 8th

9:00-10:30 Plenary Session- Room C340-350

Invited speaker Superintendent of Public Instruction Tom Horne will present his paper entitled "Response to the Goldwater Institute", on the subject of education policy and politics. Invited speaker Vice President of the Goldwater Institute Matthew Ladner will present his paper entitled "**A Test of Credibility: NAEP versus Terra Nova in Arizona**". **Former State Assessment Director Ed Sloat of the Glendale Elementary School District will serve as the discussant.**

10:30-10:45 Break

10:45 -12:00 Paper Sessions

Room C340

Leading School Improvement: Utilizing State and Local Assessment Data

Ildiko Laczko-Kerr of the Scottsdale Unified School District, Joe O'Reilly of the Mesa School District and John Wilson of the Tempe Elementary School District will present a professional development session on the topic of school improvement.

Room C300

Invited Address by the University of Phoenix: A Dialogue on Higher Education and Studies in Leadership

In this invited session, presenters from the University of Phoenix will include Adam Honea (Provost), Jake Burdick, (Project Director for Program Design), and Leona Lobell (Managing Editor for the Journal of Leadership Studies). Discussion will include the changing demands for higher education, particularly in an international environment, the role of a scholar-leader-practitioner model in doctoral education, and an interdisciplinary approach to publishing research relevant to the study and practice of leadership, professional development session on the topic of school improvement.

Room C350

Using Curricular Based Measurement in a Response to Intervention Model.

Kelly Powell, CTB McGraw Hill will present on the use of the "Response to Intervention" model as written into IDEA 2004. The model is best used to universally screen all students for learning disabilities as well as general content deficits. Use of computer-based short regular assessments to monitor student progress and to remediate student deficits will be discussed.

12:00-1:00 Lunch Rooms C340-350

1:00-2:15 Plenary Session Room C340-350

Dr. Larry McBiles will present on "Confronting Resistance and other Performance Challenges in School Reform, a professional development session for educators, researchers and administrators. This address will examine the important concept of resistance as it relates to the complex world of school reform. Dr. McBiles will offer his colleagues practical, research-based tips for addressing resisters and other forms of conflict within a school community. Specific issues to be addressed: constructive confrontation, conflict, consensus, collective commitments, and converting colleagues to the cause of continuous improvement based on current research-based practices.

2:15-3:30 Networking Reception Sponsored by AERO Room C340-350

Conference attendees are invited to a reception that is designed to promote networking between our members. AERO members represent the following groups: college/university students and faculty; school and district administrators; teachers; as well as members of the educational community at large.

Program at a Glance

November 9th, 2007

8:00am	Registration			
9:00am				
9:00am	Room 146	Room 200	Room 135	Room 131
10:30am	Joanne Arhar	Chong Ho Yu	Stephen Lawton, Richard Wiggall, Dr. Glen Wilson	Kelly Powell
10:30am	Break			
10:45am				
	Room 146	Room 135	Room 200	Room 131
10:45am	John Wilson	Mary K. Culver, Gary L. Emanuel, Gary L. Emanuel	Carrie L. Giovannone	ASU Delta: Dr. Rodney L. Egan, Christopher Macaluso, Dr. Anna McCauley
12:00pm				
12:00pm	Rooms 146-131			Room 135
1:00pm	Lunch. Sponsored by Assessment Technology Incorporated	APEA lunch meeting		
	Room 146	Room 135	Room 131	
1:00pm	Robert Franciosi	Dr. Kay Hartwell, Dr. John Pedicone, Dr. Bill Wright, Dr. Gary Emmanuel, Dr. Rosemary Papa	Action Research in Doctoral Education	
2:15pm				
2:15pm	Break Tea in Room 146			
2:30pm				
	Room 146	Room 135	Computer Lab Room 200	Room 131
2:30pm	John R. Bergan, Ph.D.	Marjaneh Khadem Gilpatrick	Carrie L. Giovannone	ASU Delta: Dr. Jennifer Earl, Karen Knight, Ed.D., Dr. Gerald Taylor
3:45pm				

Program Schedule Detail for November 9th

9:00am-10:30am

Room C146

Action Research for Educational Professionals: A workshop on the application of action research for various fields. Presented by Dr. Joanne Arhar, Kent State University, invited speaker.

Action research as a means to study and improve professional practice can be conducted at the individual, school, district or state level. In this workshop, participants will 1) learn about what action research is (and is not) 2) examine several action research proposals and 3) design a proposal for an action research study that can be carried out in their own work setting.

Room C200- Computer Lab

Using JMP Software for IRT analysis and preliminary diagnosis: A professional development workshop on the subject of school evaluation/program development, presented by Dr. Chong (Alex) Ho Yu.

Analysis based on Item Response Theory remains a challenge to many school teachers and novice test developers, in spite of the availability of numerous assessment software packages. The objective of this workshop is to present how JMP, which is a highly accessible tool developed by SAS Institute, can be used to perform item analysis and also preliminary diagnosis of various issues related to test performance. JMP is equipped with a set of powerful yet user-friendly data visualization features. For example, the interactive item-person map in IRT analysis, the diamond plot for comparing performance by different groups, and the classification tree for identifying the most critical factor to performance. To be specific, an item-person map is a data visualization tool for comparing item difficulty and student ability after putting measures of both item and student attributes on the same scale. A diamond plot is graphical presentation of t-test or ANOVA and also multiple-comparison results. Classification trees aim to find which independent variable(s) can make successively a decisive split of the data by dividing the original group of data into pairs of subgroups in the dependent variable. In the workshop these concepts and procedures will be explained in layman terms and illustrated with concrete examples.

Room C131

Using Formative Assessment to Predict State Test Scores. A Symposium/Panel Discussion on the subject of Measurement and Research Methodology presented by Kelly Powell.

This session will focus on the creation of a formative assessment system that may be used to predict student scores on Arizona's Instrument to Measure Standards. CTB/McGraw-Hill is a national leader in educational assessment, and the issues the company faces in the construction of a national formative assessment system used to predict state test results in more than 20 states will be discussed.

Room C135

Charter School Effectiveness: Status and Strategies for Improvement. A Paper Presentation/Research Report on the subject of administration presented by Stephen Lawton.

The purpose of this paper is report the implications of the literature on charter school effectiveness for the improvement of charter schools. To accomplish this aim, background information is first provided: i.e., definition of charter schools; statistics on the numbers and types of charter schools in the United States; the creation, governance and management of charter schools; and the new roles and relationships that have developed over the past fifteen years as the charter school concept has matured. Then, the focus shifts to identifying the meaning of "charter school effectiveness" and factors that are associated with varying degrees of charter school effectiveness. Finally, the two sets of information are integrated to provide implications both for improving existing charter schools and filling the research gaps in our knowledge of strategies for successful action.

Funding and Adequacy in Arizona Public Schools: A Survey of District Superintendents. A Paper Presentation/Research Report on the subject of Administration presented by Richard Wiggall.

In 2005 the Rodel Foundation presented to the Arizona legislature and the Arizona education community a report entitled "Lead With Five". The Rodel report was based on a funding adequacy study performed by Odden and Picus that had broad based involvement from Arizona's education leaders in the development of its recommendations. This paper presents an analysis of the findings of a survey of all school district superintendents that was conducted in the fall of 2005. The survey queried superintendents on their perspectives of school funding in general and specifically their support for the recommendations contained in the "Lead with Five" report.

Furthering School Choice through the Tax Code: A Examination of the First Fifteen Years of Arizona's Education Tax Credit Program: Historical Results and Forecasts. A Paper Presentation/Research Report on the subject of Education Policy and Politics presented by Dr. Glen Wilson.

This paper examines the Arizona individual and corporate education tax credit programs and forecasts possible revenue gains or losses from 2006 to 2012. Although the proponents' major justification was that this program would assist lower income students attend private schools, the primary beneficiaries of this program have apparently been middle and upper income families and/or those who were already enrolled in private schools. This paper uses a variety of non-seasonal time series and regression equations to estimate future revenue losses. Monte Carlo simulations were run to deal with the uncertainty associated with point estimates. The forecast expected revenue loss to the state of Arizona, for the first fifteen years of the program (from 1998 to 2012) is estimated to be \$1.37 billion.

10:30am-10:45am Break

10:45 -12:00 Paper Sessions

Room C146

Patterns of Progress and Growth in Oral Reading Fluency as Measured on Dynamic Indicators of Early Literacy Skills (DIBELS). A Paper Presentation/Research Report on the subject of School Evaluation/Program Development presented by John Wilson.

Patterns of progress and growth in oral reading fluency (ORF) were examined in a sample of 3889 third grade students using two different methods. To examine progress, students were placed in three DIBELS instructional recommendation levels (Intensive, Strategic, or Benchmark) based on the number of words read correctly in one minute. Student performance in fall was cross-tabulated with performance in spring, similar to the DIBELS Summary of Effectiveness Report that examines data from fall to winter or winter to spring. Evidence of progress (effectiveness) from one season to another occurs when students move from a lower instructional recommendation level to a higher one, or remain at the grade level benchmark. In this sample, overall effectiveness was 39.9. A growth curve analysis was conducted using HLM to examine growth in ORF within individual students and differences between students related to ELL, Special Education or Minority status and initial level of ORF. Growth trajectories reveal which groups are increasing their ORF at a sufficient rate to reach the critical benchmark level of 110 words correct per minute by the end of the year

Room C135

Learning to Play Nice. A paper presentation/research report on the subject of Administration presented by Mary Culver.

This paper is a lesson for aspiring and novice school administrators in developing interpersonal relationships. Using miniature case studies, in vignette format, relationship building and collaborative leadership are examined.

"Legally Prepared:" A Formative Evaluation of the Impact of the NAU Risk/Retention Trust Academy for Arizona School Administrators. A Paper Presentation/Research Report on the subject of Administration presented by Gary Emanuel.

The study constituted a mixed-methods formative evaluation of the impact of the Arizona Risk Retention Trust Academy with regard to both logistics (accommodations, location) and practical value of applied learning in the case study analysis. A survey consisting of both fixed-choice rating items and open-ended questions was disseminated to participants of the March 2007 Academy.

And the Survey Says:" A Mixed-Methods Study of Educational Leadership Doctoral Student Perceptions of Survey and Qualitative Research Methodologies. A paper presentation/research report on the subject of measurement and research methodology presented by Gary Emanuel and Mary Dereshiwsky.

The authors will present the results of a mixed-methods descriptive survey study designed to answer the question: 'What are educational administration doctoral student perceptions of the qualitative and survey research methodologies in education and practical application?' The survey consists of 15 fixed-choice attitudinal rating items centered on a number of features of both qualitative and survey research methodology. They include relevance, understandability and applicability to professional activities. In accordance with best practice survey design, each fixed-choice attitudinal item is followed by an open-ended question designed to probe the subject's reasons for his/her response.

Room C200 Computer Lab

An Overview of the NAEP in Arizona. A paper presentation/research report on the subject of measurement and research methodology, presented by NAEP State Coordinator Carrie Giovannone.

An overview of NAEP activity in Arizona will focus on basic data over the last six years, including trend lines. Arizona performance gaps in NAEP sub-categories will also be discussed. Demographic shifts in our population over the last decade and how that shift is affecting our test scores will be incorporated to add support to the main focus. The data used in this presentation will include the most recent 2007 NAEP results in reading and mathematics released in late September, 2007.

Room C131

ASU DELTA Program: Research to Practice, a symposium/panel discussion on the subject of education policy and politics organized by Dr. David Garcia.

A Case Study of a One-way Spanish Language Immersion Program and Implications for Learning in Two Languages, presented by: Dr. Rodney L Egan.

Too Big, Too Small, Just Right: Principal Leadership in Different Sized School Districts, presented by Christopher Macaluso.

I Didn't Get that Memo: Implementing Proposition 203 in a Loosely Coupled System, presented by Dr. Anna McCauley.

12:00-1:00 Lunch Rooms C146-C131

Sponsored by Assessment Technology, Inc.

APEA Affiliation Lunch in Room C135

1:00-2:15 Paper Sessions

Room C146

Which is the Best School in Arizona? A paper presentation/research report on the subject of measurement and research methodology, presented by Dr. Robert Franciosi.

This paper presents an evaluation of Arizona schools using a mixed effects model. Using results of the AIMS test as a measure of academic performance, the model attempts give answers to the following questions:

1. What is the relative magnitude of the impact of student characteristics on academic performance?
2. How does school effectiveness with subgroups of students vary across the state?
3. What is the validity of the current system of evaluating schools, AZ LEARNS?

Room C135

Merits of Administrator Certification: The Facts and Myths. A symposium/panel discussion on the subject of administration sponsored by the Arizona Professors of Educational Administration and presented by Dr. Kay Hartwell, ASU; Dr. John Pedicone, UA; Dr. Bill Wright, NAU; Dr. Gary Emmanuel, NAU; and Dr. Rosemary Papa, NAU.

Research relating to the merits of administrative certification at all levels (principal and superintendent) will be presented. Research facts and myths will be discussed primarily, though not limited to, the following categories: A. Credibility with the Workforce; B. Data Regarding Actual Leadership Shortages; and, C. The Relevance of Training and Induction Experiences for the Job, Career and Professional Development of Leaders.

Room C131

Action Research in Doctoral Education. A symposium/panel discussion on the subject of post-secondary education consisting of four papers: an introduction describing the rationale for choosing action research as the most appropriate paradigm for doctoral research in Ed.D. programs, presented by Dr. Christopher Clark, followed by three co-authored reports of action research studies completed by first-year doctoral students in the ASU Doctoral Program in Leadership and Innovation.

Creating a Professional Learning Community: Promoting Individual Commitment to Organizational Success, presented by Gina Warren, and Dr. Teresa Foulger.

What are doctoral students' perceptions of virtual learning coursework? presented by Michele Mosco and Dr. Nancy Perry.

How are the professional learning communities that focus on assessment for learning affecting student achievement? presented by Randy Gilson and Dr. Debby Zambo.

2:15-2:30 Break Tea served in Room C146

2:30-3:45 Paper Sessions

Room C146

Technology, Intervention, and Standards Mastery. This invited presentation by Dr. John Bergan, President of Assessment Technology, Inc., examines the role of technology in planning, implementing, and evaluating the effectiveness of interventions aimed at promoting standards mastery. The presentation begins by outlining the role of intervention in standards-based education. It discusses the ways in which technology can be used to provide timely data not only on intervention outcomes, but also on the level and fidelity of intervention implementation. Finally, it considers the implications of intervention technology for social policy and educational practice.

Room C135

Dual-Language Bilingual Immersion Program: Impact on Adolescent Reading Skills. A paper presentation/research report on the subject of Bilingual Education presented by Marjaneh Khadem Gilpatrick.

Addressing the English language learners' needs in Arizona is one that has garnered much attention from the media as well as the judicial system. In light of the results reported in this study, it may be beneficial for to examine the merits of the dual-language program and its positive impact on the English reading abilities of the students who participated in the program. This study examined whether a dual language immersion program had a significant effect on the reading literacy achievement of Spanish and English speaking seventh and eighth graders.

Room C200 Computer Lab

National Assessment of Educational Progress (NAEP): An Insightful View of Background Data Tied to NAEP Results. A professional development session on the subject of measurement and research methodology, presented by NAEP State Coordinator Carrie Giovannone.

In addition to its academic assessments, National Assessment of Educational Progress (NAEP) has collected information from hundreds of non-cognitive or background questions about students, their educational experiences in class and at home, their teachers, and their schools. Some of these questions provide data for NAEP's reporting categories, but far more have been used to give context to NAEP results or to track factors associated with academic achievement. This interactive presentation will introduce participants to the hundreds of variables that are collected from students, teachers, and principals during the administration of the NAEP.

Room C131

ASU DELTA Program: Research to Practice. A symposium/panel discussion on the subject of learning and instruction, organized by Dr. David Garcia.

Respect: Relationships instead of Rules, presented by Dr. Jennifer L. Earl.

Predicting Third Grade Success on the AIMS Dual Purpose Assessment using Second Grade Oral Reading Fluency Scores, presented by Karen G. Knight, Ed.D.

Cognitive Scientific Approaches to the Moral Education of Middle School Students: Using Logical Reasoning and Cognitive Perceptual Reasoning Training to Stimulate Adolescent Moral Reasoning and Development, presented by Dr. Gerald Taylor

ARIZONA EDUCATIONAL RESEARCH ORGANIZATION

Best Paper Award

20TH Annual Conference

November 8th - 9th, 2007

ARIZONA STATE UNIVERSITY DOWNTOWN CAMPUS

Making Research Relevant

Graduate students, untenured faculty members, and teacher-researchers are encouraged to submit copies of their AERO paper to be considered for the "AERO 2007 Best Paper Award". The paper selected will be automatically included on the AERA 2008 program.

American Educational Research Association
AERA – <http://www.aera.net>
Annual Meeting in New York City, NY, March 24th-28th, 2008

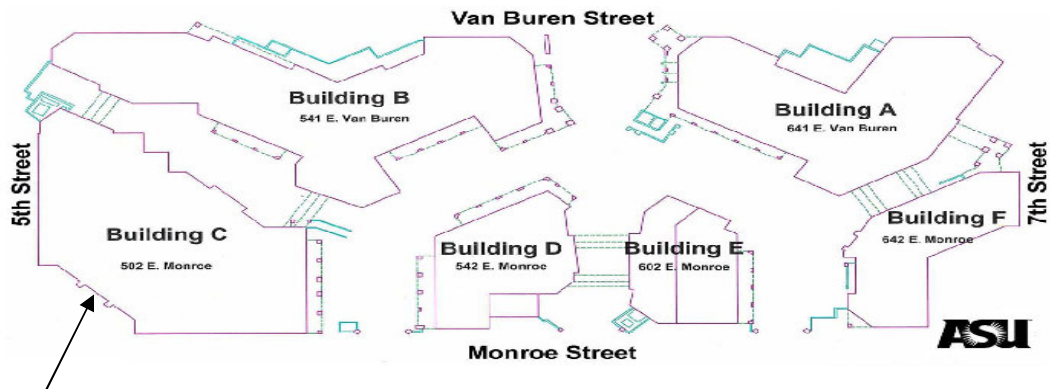
The author(s) will be awarded \$250 in travel support to attend the AERA meeting. To be considered, please submit a final copy of your AERO paper electronically to I _____ by _____. Please submit only if you have a reasonable expectation that you will be able to travel to the 2008 AERA Meeting in New York to present your paper. Funds are to support travel and are not awarded unless the paper is presented at AERA.

Please include this completed form with your submission and indicate "AERO BEST PAPER" in the subject line of your e-mail. Please email your submission to Joe O'Reilly at joreilly@mpsaz.org.

Title of Paper:		
First Author / Name		
Affiliation (University, School, Agency, etc.):		
Address:		
Phone:	Fax:	Email:

ASU at Downtown

Map



Driving Directions

The Downtown Center is conveniently located at Fifth and Monroe streets in downtown Phoenix.

From the East Valley, take I-10 West (Los Angeles) and exit 7th Street south to Monroe (one block south of Van Buren)

From the West Valley, take I-10 east (Tucson) and exit 7th Street south to Monroe (one block south of Van Buren).

From North Phoenix, take the Squaw Peak Parkway (51) south to I-10 West and exit 7th Street south to Monroe (one block south of Van Buren).

Parking Info

The Heritage and Science Park garage is the most convenient parking for Downtown Center event participants. The garage is at the southeast corner of Monroe and 5th streets. There are two garage entrances with a cost of \$2.00 per hour or \$8.00 per day. One is on Monroe Street and the other is on 5th Street. Additional parking is available at parking meters along the street for up to two hours. Take 7th Street south of Van Buren to Monroe, turn

West on Monroe. The Parking Structure is on the South side of the street. ASU Downtown Center Building C is on the north side of the street, at the corner of 5th Street and Monroe.

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A PUBLICATION OF THE SCHOOL OF ADVANCED STUDIES OF UNIVERSITY OF PHOENIX

JOURNAL OF LEADERSHIP STUDIES

Expanding Interdisciplinary Discourse

SUMMER 2007 VOLUME 1 ISSUE 2

Differences in Emotional Intelligence in Leadership
Carina Fielding, Ken Gak and James Posner

Measurement, Benchmarking of Executives' Performance
Ratings for Same- and Opposite-Gender Deals
Jessal M. Ehrigwey

Experimental Prediction of Executive Skills in an E-Country
Christina C. Lissa and Martin S. Rehg



The School of Advanced Studies of the University of Phoenix and John Wiley & Sons are pleased to announce the launch of a new journal devoted to the study of leadership. The journal promises to deliver a diverse collection of peer reviewed articles that speak to the research, theory, and practice of leadership in a variety of settings, as well as advance interdisciplinary discourse on leadership. To learn more about the journal, including submission guidelines, please visit www.interscience.wiley.com/journal/jls or contact www.managingeditor.phoenix.edu.



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Flexible

BUILD

assessments quickly using advanced text graphics and equation editing tools.

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online and/or offline district-wide using assessments aligned with district pacing guides and state standards.

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student, school, and district performance on multiple occasions within and across school years.

IDENTIFY

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