Oklahoma Teacher and Leader Effectiveness Evaluation System (TLE)

REPORT

<u>To the Oklahoma State Legislature and Governor on the Recommendations of the TLE</u> Commission and the Adoption of the TLE by the Oklahoma State Board of Education

OVERVIEW

Oklahoma state law (70 O.S. § 6-101.16) established the Oklahoma Teacher and Leader Effectiveness Evaluation System (TLE), a new evaluation system for teachers and leaders designed to encourage continuous professional growth leading toward improved student achievement for all Oklahoma students. The law requires that the new system be comprised of multiple measures of teacher and administrator effectiveness:

- 50% Qualitative Measures (observable characteristics of teacher and leader performance that are correlated to student achievement)
- 35% Quantitative Measures of Student Academic Growth (based on multiple years of standardized test data)
- 15% Quantitative Measures of Other Academic Factors

According to state law, all local board of education evaluation policies must align with the TLE by the 2013-2014 school year.

This report has been developed pursuant to state statute requiring an annual report of the TLE Commission.

The Commission shall issue a report by December 31 of each year and submit a copy of the report to the Governor, the Speaker of the House of Representatives and the President Pro Tempore of the Senate. (70 O.S. § 6-101.17I)

ADOPTION PROCESS

State law required the Oklahoma State Board of Education to adopt the TLE by December 15, 2011, and to receive advice from the TLE Commission as discussed later in this report.

By December 15, 2011, the State Board of Education shall adopt a new statewide system of evaluation to be known as the Oklahoma Teacher and Leader Effectiveness Evaluation System (TLE). (70 O.S. § 6-101.16A)

The Teacher and Leader Effectiveness Commission shall provide oversight and advise the State Board of Education on the development and implementation of the TLE. (70 O.S. § 6-101.16C)

COMPONENTS OF THE SYSTEM

The TLE shall include the following components:

- 1. A five-tier rating system as follows:
 - a. superior,
 - b. highly effective,

- c. effective,
- d. needs improvement, and
- e. ineffective;
- 2. Annual evaluations that provide feedback to improve student learning and outcomes;

3. Comprehensive remediation plans and instructional coaching for all teachers rated as needs improvement or ineffective;

4. Quantitative and qualitative assessment components measured as follows:

- *a. fifty percent* (50%) *of the ratings of teachers and leaders shall be based on quantitative components which shall be divided as follows:*
 - (1) thirty-five percentage points based on student academic growth using multiple years of standardized test data, as available, and
 - (2) fifteen percentage points based on other academic measurements, and
- b. fifty percent (50%) of the rating of teachers and leaders shall be based on rigorous and fair qualitative assessment components;

5. An evidence-based qualitative assessment tool for the teacher qualitative portion of the TLE that will include observable and measurable characteristics of personnel and classroom practices that are correlated to student performance success, including, but not limited to:

- a. organizational and classroom management skills,
- b. ability to provide effective instruction,
- c. focus on continuous improvement and professional growth,
- d. interpersonal skills, and
- e. leadership skills;

6. An evidence-based qualitative assessment tool for the leader qualitative portion of the TLE that will include observable and measurable characteristics of personnel and site management practices that are correlated to student performance success, including, but not limited to:

- a. organizational and school management, including retention and development of effective teachers and dismissal of ineffective teachers,
- b. instructional leadership,
- c. professional growth and responsibility,
- d. interpersonal skills,
- e. leadership skills, and
- f. stakeholder perceptions; and

7. For those teachers in grades and subjects for which there is no state-mandated testing measure to create a quantitative assessment for the quantitative portion of the TLE, an assessment using objective measures of teacher effectiveness including student performance on unit or end-of-year tests. Emphasis shall be placed on the observed qualitative assessment as well as contribution to the overall school academic growth. (70 O.S. § 6-101.16B)

TLE COMMISSION

OVERVIEW

The law established the TLE Commission to make recommendations about the design of the system and to oversee implementation of the system through June 30, 2016. The TLE Commission is comprised of various education and public sector stakeholders appointed by the Governor, President Pro Tempore of the Senate, and Speaker of the House, or as designated by statute.

The TLE Commission met eight times from June 29 through December 5, 2011, to study the various components of the TLE, to evaluate a variety of qualitative measurement tools (frameworks) and quantitative measurement tools, to make formal design and implementation

recommendations to the State Board of Education, and to solicit public input on those recommendations.

Five design and implementation recommendations were approved at the TLE Commission meeting on December 5, 2011, after receiving feedback from a wide representation of stakeholders, including teachers, administrators, students, parents, community members, and policymakers. *See Attachment A*.

Details regarding the extensive study conducted by the TLE Commission as well as a summary of public comment received is provided in subsequent sections of this report and in the attachments.

TLE COMMISSION ANALYSIS OF QUALITATIVE MEASURES

The TLE Commission reviewed four teacher evaluation frameworks for the qualitative measure and four leader evaluation frameworks for the qualitative measure. These frameworks were:

Teacher Frameworks

- Danielson's Framework for Teaching (*See Attachment C*)
- Marzano's Causal Teacher Evaluation Model (*See Attachment D*)
- McREL's Teacher Evaluation System
- Tulsa's TLE Observation and Evaluation System (*See Attachment E*)

Leader Frameworks

- Marzano's Leadership Evaluation System
- McREL's Principal Evaluation System (*See Attachment F*)
- Reeves's Leadership Performance Matrix (*See Attachment G*)
- Vanderbilt's Assessment for Leadership in Education

The TLE Commission preliminarily recommended six of these tools – three teacher frameworks and three leader frameworks – for consideration. The McREL Teacher Evaluation System was eliminated because the TLE Commission determined that the framework did not meet the needs of Oklahoma educators. In addition, the Marzano Leadership Evaluation System was eliminated because it was still in production at the time of final recommendations and the Vanderbilt Assessment for Leadership in Education was also eliminated because the TLE Commission determined that the framework did not meet the needs of Oklahoma educators.

The rubrics used to compare each framework to requirements of state statute and national best practices are available as *Attachment B*.

Recommendations #1c and #1f indicate that the TLE Commission recommended Danielson's Framework for Teaching, Marzano's Causal Teacher Evaluation Model, Tulsa's TLE Observation and Evaluation System, McREL's Principal Evaluation System, and Reeves's Leadership Performance Matrix for district selection. *See Attachment A.*

TLE COMMISSION ANALYSIS OF QUANTITATIVE MEASURES

The Commission examined a variety of possible ways to evaluate student growth for teachers who teach grades or subject areas where student growth data exists. One option the Commission reviewed was a Simple Growth Model. This model compares student performance at the end of instruction to performance prior to instruction. The Commission also reviewed Value Added Models. While this option also measures student growth, it measures that growth against the student's predicted growth level for the school year. This prediction is determined through a complex series of calculations that factor in such variables as attendance, mobility, past achievement, ELL status, and/or number of subject-specific courses in which the student is enrolled. The focus of the variables can be based either on the student's prior achievement (Covariate Model), or on the student's propensity to achieve along with the durability of the teacher's effect on the expected growth (Learning Path Model). In essence, a Value Added Model determines what *value* the teacher *added* to the student's success.

The Commission determined that utilizing a Value Added Model would best reflect Oklahoma's need to take into account other student and school-level variables in order to have the most accurate evaluation system possible. Therefore, the Commission recommended adoption of a Value Added Model for teachers and leaders of buildings for which multiple years of standardized test data exist. *See Attachment A: #3a, #3b*.

For teachers who teach in grades or subject areas in which no state-mandated testing exists, the quantitative component of the TLE shall involve an assessment using objective measures of teacher effectiveness including student performance on unit or end-of-year tests. The Commission has reviewed several ways to generate data for those grades and subjects where statewide student assessment data does not exist. These methods include developing additional state assessments, developing a list of content-specific appropriate measures of student achievement, using student growth data of "owned students" or all school-wide data, or using a combination of the above referenced methods.

The Commission recommended conducting further research on the most appropriate measure(s) of teacher effectiveness for those teachers in non-tested grades and subjects and to take into consideration the input of representatives of those teacher groups. *See Attachment A: #4.*

In addition, the Commission reviewed options for the quantitative measures identified as "Other Academic Measures." The Commission recommended involving Oklahoma educators in development of a list of appropriate measures for teacher and supervisor selection based on findings from research regarding multiple measures of teacher effectiveness. *See Attachment A:* #5.

TLE COMMISSION ANALYSIS OF IMPLEMENTATION PROCESSES

In order to facilitate implementation of the TLE statewide, the TLE Commission made several recommendations regarding selection of default frameworks and funding for training. The Commission recommended selecting a default framework for the teacher qualitative assessment and a default framework for the leader qualitative assessment. *See Attachment A: #1a, #1d.* The

Commission selected their recommended default frameworks after much debate and consideration of each framework.

Despite the public comments found in *Attachment H*, which indicate that the majority of responders favored Marzano's Causal Teacher Evaluation Model, in a split vote, the TLE Commission recommended Tulsa's TLE Observation and Evaluation System as the default teacher qualitative assessment tool. *See Attachment A: #1b.* Also in a split vote, the Commission recommended McREL's Principal Evaluation System as the default leader qualitative assessment tool. *See Attachment A: #1e.*

In addition, the TLE Commission made recommendations to reserve a portion of the available state funds designated for training and implementation for the frameworks not selected as the default. See Attachment A: #1c, #1f.

Lastly, the TLE Commission recommended that any modifications made to the default framework or other approved frameworks must be approved by the Oklahoma State board of Education. *See Attachment A: #2*.

STATE BOARD OF EDUCATION

OVERVIEW OF APPROVED TLE SYSTEM

On December 15, 2011, the State Board of Education approved a TLE System pursuant to 70 O.S. § 6-101.16A. The State Board named the Tulsa TLE Observation and Evaluation System as the presumptive default for teacher evaluations and the McREL Principal Evaluation System as the presumptive default for leader evaluations. *See Attachment I.*

During the pilot year of implementation (2012-2013), districts will be allowed to choose from three teacher evaluation frameworks (Tulsa's TLE Observation and Evaluation System, Marzano's Causal Teacher Evaluation Model, and Danielson's Framework for Teaching) and two leader evaluation frameworks (McREL's Principal Evaluation System, and Reeves's Leadership Performance Matrix). During this pilot period, districts are required to select and implement a teacher and leader framework from the list of approved frameworks. Throughout the pilot year, districts will be asked to provide input and feedback regarding the frameworks, and the data provided by districts will be reported by OSDE to the TLE Commission and State Board of Education for consideration. Teacher and leader evaluations obtained during the pilot year will not count against teachers or leaders during the 2012-2013 school year. However, the data obtained during the pilot year may be used by districts to establish baselines and offer guidance as Oklahoma schools move forward with permanent implementation during the 2013-2014 school year. Data and research obtained during the pilot year may be independently analyzed to determine evidence of measurement of effective teaching and leadership as well as the ability of each model to scale up for statewide implementation. This information will be used by the TLE Commission to make further recommendations to the State Board of Education. At the end of the pilot year, the State Board of Education will adopt default frameworks.

The allocation of funds will be supported by local funds or at the discretion of the Oklahoma Department of Education through a formula based on the districts' Average Daily Attendance. *See Attachment I.*

Qualitative Measures (50% of Total TLE) See Attachment I.

Teacher

- For the teacher qualitative assessment, the Oklahoma State Board of Education (OSBE) has approved three frameworks from which districts may choose:
 - Danielson's Framework for Teaching(pending licensing agreements),
 - Marzano's Causal Teacher Evaluation Model(pending licensing agreements), and
- Tulsa's TLE Observation and Evaluation System(pending licensing agreements).
- For the teacher qualitative assessment, the OSBE has approved Tulsa's TLE Observation and Evaluation System framework to become the presumptive default statewide framework.

Leader

- For the leader qualitative assessment, the OSBE has approved two frameworks from which districts may choose:
- McREL's Principal Evaluation System (pending correlation to statutory criteria and licensing agreements), and
 - Reeves's Leadership Performance Matrix (pending correlation to statutory criteria and licensing agreements).
- For the leader qualitative assessment, the OSBE has approved McREL's Principal Evaluation System framework to become the presumptive default statewide framework.

Teacher and Leader

• Any modifications to the default frameworks or other approved frameworks must be approved by the Oklahoma State Board of Education against a specific set of criteria, including all statutory requirements, based on impact to student learning.

Quantitative Measures of Student Academic Growth (35% of Total TLE) See Attachment I.

- The OSDE will use a Value Added Model in calculating the thirty-five percentage points attributed to student academic growth using multiple years of standardized test data for those teachers in grades and subjects for which multiple years of standardized test data exist.
- The OSDE will use a Value Added Model in calculating the thirty-five percentage points attributed to student academic growth using multiple years of standardized test data for those leaders of buildings containing grades and subjects for which multiple years of standardized test data exist.
- In addressing those teachers and leaders in grades and subjects for which there is no state-mandated testing measure to create a Value Added Score, the OSDE will conduct more research to determine the appropriate measure(s) of student achievement taking into account a combination of multiple measures and including teacher, leader, and specialist

input. This information will be shared with the TLE Commission and the OSBE for further recommendations and decisions.

Quantitative Measures of Other Academic Factors (15% of Total TLE) See Attachment I.

• In regards to the fifteen percentage points based on other academic measures, the OSDE will conduct further study of best practices across the country as well as inviting Oklahoma educators to provide input to develop a list of appropriate measures for Oklahoma. This information will be shared with the TLE Commission and the OSBE for further recommendations and decisions.

This Report of the Oklahoma Teacher and Leader Effectiveness Evaluation System was respectfully submitted this ______ day of December, 2011.

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Japet Barresi, Chairman of the Board

ssistant State Superintendent

Alicia Currin-Moore, Executive Director

LIST OF ATTACHMENTS

ATTACHMENT

DESCRIPTION

А	Teacher and Leader Effectiveness Commission Permanent Recommendations
В	Criteria Checklists for All Frameworks Reviewed
С	Danielson's Framework for Teaching
D	Marzano's Causal Teacher Evaluation System
Е	Tulsa's TLE Observation and Evaluation System
F	McREL's Principal Evaluation System
G	Reeves' Leadership Performance Matrix
Н	Summary of Public Comment
Ι	State Board of Education Adopted Policies

ATTACHEMENT A

Teacher and Leader Effectiveness Commission Permanent Recommendations

ATTACHMENT A

Teacher and Leader Effectiveness Commission Permanent Recommendations Pursuant to 70 O.S. § 6-101.17 December 5, 2011

<u>Permanent Recommendation #1a:</u> For the Teacher Evaluation System, the TLE Commission recommends that the Oklahoma State Board of Education name a default framework that is paid for by the state in terms of training and implementation requirements to serve as the qualitative assessment component that must comprise 50% of the total evaluation criteria required by 70 O.S. § 6-101.16.

<u>Permanent Recommendation #1b:</u> The TLE Commission recommends that the Teacher Evaluation default framework be Tulsa's TLE Observation and Evaluation System.

Permanent Recommendation #1c: The TLE Commission recommends that the Oklahoma State Board of Education name a limited number of frameworks that meet specific criteria, including all statutory requirements, for district selection. Frameworks other than the default will be supported by local funds and twenty-five percent (25%) of available state training funds. The following frameworks should be included in the list of approved options: Danielson's Framework for Teaching, Marzano's Causal Teacher Evaluation Model, and Tulsa's TLE Observation and Evaluation System.

<u>Permanent Recommendation #1d:</u> For the Leader Evaluation System, the TLE Commission recommends that the Oklahoma State Board of Education name a default framework that is paid for by the state in terms of training and implementation requirements to serve as the qualitative assessment component that must comprise 50% of the total evaluation criteria required by 70 O.S. § 6-101.16.

<u>Permanent Recommendation #1e:</u> The TLE Commission recommends that the Leader Evaluation default framework be Mc.REL's Principal Evaluation System.

<u>Permanent Recommendation #1f:</u> The TLE Commission recommends that the Oklahoma State Board of Education name a limited number of frameworks that meet specific criteria, including all statutory requirements for district selection. Frameworks other than the default will be supported by local funds or at the discretion of the Oklahoma State Department of Education through a formula based on the district's Average Daily Attendance. The following frameworks should be included in the list of approved options: McREL's Principal Evaluation System (pending correlation to statutory criteria) and Reeves's Leadership Performance Matrix (pending correlation to statutory criteria).

<u>Permanent Recommendation #2:</u> For both the Teacher Evaluation System and the Leader Evaluation System, the TLE Commission recommends that any modifications to the default framework or other approved frameworks must be approved by the Oklahoma State Board of Education against a specific set of criteria, including all statutory requirements, based on impact to student learning.

ATTACHMENT A

<u>Permanent Recommendation #3a:</u> In regards to the quantitative portion of the Teacher and Leader Evaluation System, the TLE Commission recommends using a Value Added Model in calculating the thirty-five percentage points attributed to student academic growth using multiple years of standardized test data for those teachers in grades and subjects for which multiple years of standardized test data exist.

Permanent Recommendation #3b: In regards to the quantitative portion of the Teacher and Leader Evaluation System, the TLE Commission recommends using a Value Added Model in calculating the thirty-five percentage points attributed to student academic growth using multiple years of standardized test data for those leaders of buildings containing grades and subjects for which multiple years of standardized test data exist.

<u>Permanent Recommendation #4:</u> In addressing those teachers and leaders in grades and subjects for which there is no state-mandated testing measure to create a quantitative assessment, the TLE Commission recommends conducting more research to determine the appropriate measure(s) of student achievement taking into account a combination of multiple measures and including teacher, leader, and specialist input.

<u>Permanent Recommendation #5</u>: In regards to the fifteen percentage points based on other academic measures, the TLE Commission recommends conducting further study of best practices across the country as well as inviting Oklahoma educators to provide input to develop a list of appropriate measures for Oklahoma.

ATTACHEMENT B

Criteria Checklists for All Frameworks Reviewed

Teacher Frameworks

- Danielson's Framework for Teaching
- Marzano's Causal Teacher Evaluation Model
- McREL's Teacher Evaluation System
- Tulsa's TLE Observation and Evaluation System

Leader Frameworks

- Marzano's Leadership Evaluation System
- McREL's Principal Evaluation System
- Reeves's Leadership Performance Matrix
- Vanderbilt's Assessment for Leadership in Education



The review following the criteria set forth by the Teacher and Leader Effectiveness Commission will be conducted by the Oklahoma State Department of Education and submitted to the Commission for consideration.

Selection	Description
Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Framework: Danielson's Framework for Teaching (ASCD Teacher Effectiveness Suite)

Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective	~			Though none was provided, the framework uses averaging to calculate a score which can be translated into the five-tier rating system.
~	Annual evaluations that provide feedback to improve student learning and outcomes		~		The model includes individualized professional development plans for teachers to work on their practice.
~	Comprehensive remediation plans and instructional coaching for all teachers rated as Needs Improvement or Ineffective		~		The model may be used for further supports for struggling teachers.
~	Be evidence-based (e.g. research and field proven)		\checkmark		The model is widely adopted including variations in Oklahoma.
~	Include observable and measurable characteristics of personnel and classroom practices (rubrics and evidences for each rubric)		~		Rubrics are included for each element.
~	An evidence-based tool that will include characteristics of personnel and classroom practices that are correlated to student performance success		~		
*	Be based on research-based national best practices and methodology (contemporary research and practices of expertise development and strategies/behaviors for raising student achievement)		~		The framework was developed in the 1990s and revised periodically. It was developed upon a review of the research but does not reflect the most contemporary research on strategies, lesson segments, and deliberate practice.



Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	 Must contain minimally: a) Organizational and classroom management skills b) Ability to provide effective instruction c) Focus on continuous improvement and professional growth d) Interpersonal skills e) Leadership skills 			V	The framework exceeds the minimum areas in its 76 elements.
	Accounts for years of service since teacher expertise develops over time	\checkmark			No tools are provided in the model to account for years of service.
	Granular enough with "thin slices" of instruction to support deliberate practice because teachers develop expertise through engaging in focused practice with focused feedback		~		Of the 76 elements, 33 are observable to instruction. Danielson's framework is broader to the behaviors and lacks the specificity of Marzano to research-based strategies.
	Identifies the instructional context or lesson type or segment for when it is instructionally appropriate to see certain research-based strategies	\checkmark			No documentation in the model identifies when it is appropriate to see certain research-based strategies.
	Includes scales or rubrics to identify the level of implementation for the strategies		✓		All elements have a rubric.
	Reflects the elements for a research-based common language of instruction that accurately reflects the complexity of teaching		~		The framework reflects the complexity of teaching across its 76 elements.
	Clearly defines and articulates teacher and student evidences for each rubric	✓			The framework lacks tools for specific teacher and student evidences but does include critical attributes to help provide clarity.
	Be correlated to student performance success (validation studies and causal links studies for instructional strategies/behaviors)		~		The studies conducted this far on the Danielson framework only show a slight increase in student learning. There are no experimental and control studies to verify the specific elements raise student achievement.
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of teaching performance correlated to student achievement results)		~		Validation studies do exist for the framework.
	Research studies verifying the specific classroom practices in the rubrics have a "causal link" to raising student achievement	~			No experimental and control studies have been identified at the element level for the specific strategies represented in the framework.
	Weights/emphasizes classroom instruction		~		Of the 76 elements in the framework, 33 or 46% are observable to classroom practice. To make this a sufficient weight, additional weighting will need to



			be placed on Domains 2 and 3.
	Depth of supports provided for the framework		Due to its wide adoption, there is
	(qualified capacity to support statewide efforts)	\checkmark	sufficient capacity and depth of services
			to support Oklahoma districts.



The review following the criteria set forth by the Teacher and Leader Effectiveness Commission will be conducted by the Oklahoma State Department of Education and submitted to the Commission for consideration.

Selection	Description
Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Framework: Marzano Causal Teacher Evaluation Model

Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
~	Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective		V		Presentation included calculation to generate Oklahoma's five-tier rating system and is currently in use within Oklahoma City as presented by Dr. Brian Staples
~	Annual evaluations that provide feedback to improve student learning and outcomes			✓	In addition to the causal link research, the model also contains reflection questions, video examples, teacher and student evidences, etc. to provide teachers with annual evaluations that support their growth and development to raise student learning and outcomes.
~	Comprehensive remediation plans and instructional coaching for all teachers rated as Needs Improvement or Ineffective			V	All teachers are required to develop Professional Growth Plans and engage in deliberate practice in order to document improvements in their teaching. Processes include supports and tools for instructional coaches to engage with struggling teachers and supervision models for more support and observational feedback for struggling teachers.
*	Be evidence-based (e.g. research and field proven)			~	The Art and Science of Teaching, upon which the evaluation model was developed is widely used. The evaluation model is also being used in large scale including a pilot in Oklahoma City and the state of Florida.



Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
~	Include observable and measurable characteristics of personnel and classroom practices (rubrics and evidences for each rubric)			~	The model contains rubrics, teacher and student evidence for each rubric, and coaching supports for each rubric.
✓	An evidence-based tool that will include characteristics of personnel and classroom practices that are correlated to student performance success		~		
*	Be based on research-based national best practices and methodology (contemporary research and practices of expertise development and strategies/behaviors for raising student achievement)			~	The model draws upon 35 years of research for what works for raising student achievement. The model also cites contemporary research for the development of expertise and incorporates national best practices for accounting for years of service and growth over time.
1	 Must contain minimally: a) Organizational and classroom management skills b) Ability to provide effective instruction c) Focus on continuous improvement and professional growth d) Interpersonal skills e) Leadership skills 			V	The model exceeds the minimum requirements. Domains 3-4 incorporate interpersonal skills and leadership skills.
	Accounts for years of service since teacher expertise develops over time			~	Model includes for categories of teachers accounting for years of service with recommendations for 0-3, 3-9, and 10 plus years of service.
	Granular enough with "thin slices" of instruction to support deliberate practice because teachers develop expertise through engaging in focused practice with focused feedback			~	Classroom strategies and behaviors (Domain 1) includes 41 elements that are granular enough to support deliberate practice.
	Identifies the instructional context or lesson type or segment for when it is instructionally appropriate to see certain research-based strategies			~	41 elements in Domain 1: Classroom Strategies and Behaviors are classified into lesson types or segments for both teachers and observers to identify when it is appropriate to see certain strategies.
	Includes scales or rubrics to identify the level of implementation for the strategies		✓		All elements in the framework include 5 point scales/rubrics identifying levels of implementation of the strategies.
	Reflects the elements for a research-based common language of instruction that accurately reflects the complexity of teaching			~	The complexity of teaching is represented in the model and the model reflects a substantial research base drawn from 35 years of research and meta-analysis.



Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
	Clearly defines and articulates teacher and student evidences for each rubric			\checkmark	Every scale/rubric includes examples of teacher and student evidence.
	Be correlated to student performance success (validation studies and causal links studies for instructional strategies/behaviors)			✓	The model has substantial research documentation for raising student achievement through the 41 classroom strategies and behaviors in Domain 1.
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of teaching performance correlated to student achievement results)		✓		Only model where validation studies conducted within Oklahoma were cited for the model
	Research studies verifying the specific classroom practices in the rubrics have a "causal link" to raising student achievement			~	Over 300 individual experimental and control studies have been completed identifying the causal link for use of strategies cited in the model to increases in student learning.
	Weights/emphasizes classroom instruction			~	Of the 60 total elements in the Marzano model, 41 or 68% represent classroom instruction.
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)			~	Given the statewide implementations currently underway with the model, there is both capacity to support Oklahoma districts and a depth of supports from trainings or certification for evaluators for accuracy for observations.



The review following the criteria set forth by the Teacher and Leader Effectiveness Commission will be conducted by the Oklahoma State Department of Education and submitted to the Commission for consideration.

Selection	Description
Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Teacher Framework: McREL's Teacher Evaluation System

Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective	✓			Although none was provided the framework could translate a score into the five tiers
~	Annual evaluations that provide feedback to improve student learning and outcomes		✓		
~	Comprehensive remediation plans and instructional coaching for all teachers rated as Needs Improvement or Ineffective		√		Appears to have a feedback cycle and professional development plan process that may be adapted to this requirement
~	Be evidence-based (e.g. research and field proven)		~		Research provided
~	Include observable and measurable characteristics of personnel and classroom practices (rubrics and evidences for each rubric)		~		
*	An evidence-based tool that will include characteristics of personnel and classroom practices that are correlated to student performance success		✓		
~	Be based on research-based national best practices and methodology (contemporary research and practices of expertise development and strategies/behaviors for raising student achievement)		~		Minimally meets as the framework is very broad (25 elements), which is less than half of Danielson or Marzano frameworks



Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	 Must contain minimally: a) Organizational and classroom management skills b) Ability to provide effective instruction c) Focus on continuous improvement and professional growth d) Interpersonal skills e) Leadership skills 		✓		Minimally meets as the framework is very broad (25 elements), which is less than half of Danielson or Marzano frameworks
	Accounts for years of service since teacher expertise develops over time	\checkmark			
	Granular enough with "thin slices" of instruction to support deliberate practice because teachers develop expertise through engaging in focused practice with focused feedback	✓			The framework is intentionally designed broadly and lacks specificity and clarity around use of research-based strategies
	Identifies the instructional context or lesson type or segment for when it is instructionally appropriate to see certain research-based strategies	✓			
	Includes scales or rubrics to identify the level of implementation for the strategies		✓		
	Reflects the elements for a research-based common language of instruction that accurately reflects the complexity of teaching		✓		Minimally meets as the framework is very broad (25 elements), which is less than half of Danielson or Marzano frameworks
	Clearly defines and articulates teacher and student evidences for each rubric	\checkmark			Uses a progressive checklist approach with minimal clarity at each level
	Be correlated to student performance success (validation studies and causal links studies for instructional strategies/behaviors)	✓			None were provided
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of teaching performance correlated to student achievement results)	~			None were provided
	Research studies verifying the specific classroom practices in the rubrics have a "causal link" to raising student achievement	\checkmark			None were provided
	Weights/emphasizes classroom instruction	~			No weighting recommendations were provided, but appears weighting could be adjusted
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)		\checkmark		



The review following the criteria set forth by the Teacher and Leader Effectiveness Commission will be conducted by the Oklahoma State Department of Education and submitted to the Commission for consideration.

Selection	Description
Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Teacher Framework: Tulsa Public Schools Teacher Leader Effectiveness Observation and Evaluation System

Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective		~		
~	Annual evaluations that provide feedback to improve student learning and outcomes		\checkmark		
~	Comprehensive remediation plans and instructional coaching for all teachers rated as Needs Improvement or Ineffective		~		
~	Be evidence-based (e.g. research and field proven)		~		The evidence base and field experience is one district
~	Include observable and measurable characteristics of personnel and classroom practices (rubrics and evidences for each rubric)		✓		
~	An evidence-based tool that will include characteristics of personnel and classroom practices that are correlated to student performance success		~		
~	Be based on research-based national best practices and methodology (contemporary research and practices of expertise development and strategies/behaviors for raising student achievement)		~		



Required by Statute	Teacher Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	 Must contain minimally: a) Organizational and classroom management skills b) Ability to provide effective instruction c) Focus on continuous improvement and professional growth d) Interpersonal skills e) Leadership skills 		✓		
	Accounts for years of service since teacher expertise develops over time	\checkmark			
	Granular enough with "thin slices" of instruction to support deliberate practice because teachers develop expertise through engaging in focused practice with focused feedback	✓			Framework is the most broad of all with 20 elements
	Identifies the instructional context or lesson type or segment for when it is instructionally appropriate to see certain research-based strategies	✓			
	Includes scales or rubrics to identify the level of implementation for the strategies		\checkmark		
	Reflects the elements for a research-based common language of instruction that accurately reflects the complexity of teaching		✓		
	Clearly defines and articulates teacher and student evidences for each rubric	\checkmark			
	Be correlated to student performance success (validation studies and causal links studies for instructional strategies/behaviors)	\checkmark			There is some encouraging evidence emerging in the district but not yet a research study
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of teaching performance correlated to student achievement results)	✓			This question was raised during the presentation and the framework has not yet been validated
	Research studies verifying the specific classroom practices in the rubrics have a "causal link" to raising student achievement	\checkmark			No research studies were submitted
	Weights/emphasizes classroom instruction		✓		
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)	~			Given only one district is currently implementing, there would likely be capacity issues trying to scale it statewide



The review following the criteria set forth by the Teacher and Leader Effectiveness Commission will be conducted by the Oklahoma State Department of Education and submitted to the Commission for consideration.

Selection	Description
Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Leadership Framework: Marzano Leadership Evaluation System

Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
1	 Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective 		V		Currently being developed for Oklahoma City
~	Annual evaluations that provide feedback to improve student learning and outcomes		~		
~	Be evidence-based (e.g. research and field proven)	~			Just starting pilot
~	Include observable and measurable characteristics of personnel and site management practices (rubrics and evidences for each rubric)		~		
✓	Be correlated to student performance success	\checkmark			Just starting pilot
~	Be based on research-based national best practices and methodology		~		
*	Include the following six domains: organizational and school management skills, including retention and development of effective teachers and dismissal of ineffective teachers; instructional leadership; professional growth and responsibility; interpersonal skills; leadership skills; and stakeholder perceptions.		✓		
	Includes scales or rubrics to identify the level of implementation for the leadership behaviors		~		
	Clearly defines and articulates teacher and student evidences for each rubric		\checkmark		Currently being developed



Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of leadership performance correlated to student achievement results)		~		Based upon numerous research studies
	Weights/emphasizes teacher growth and development		~		
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)		\checkmark		



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Selection	Description
Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Leadership Framework: McREL's Principal Evaluation System

Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	 Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective 	V			Although none was provided the framework could translate a score into the five tiers
✓	Annual evaluations that provide feedback to improve student learning and outcomes		\checkmark		
~	Be evidence-based (e.g. research and field proven)		~		
~	Include observable and measurable characteristics of personnel and site management practices (rubrics and evidences for each rubric)		~		Broad framework with 21 elements compared to 38 for Reeves framework
✓	Be correlated to student performance success		✓		Based upon research from which the framework is drawn
~	Be based on research-based national best practices and methodology		~		
*	Include the following six domains: organizational and school management skills, including retention and development of effective teachers and dismissal of ineffective teachers; instructional leadership; professional growth and responsibility; interpersonal skills; leadership skills; and stakeholder perceptions.		V		Minimally addresses
	Includes scales or rubrics to identify the level of implementation for the leadership behaviors		~		
	Clearly defines and articulates teacher and student evidences for each rubric	~			Uses a progressive checklist approach with minimal evidences



Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of leadership performance correlated to student achievement results)		V		The framework is drawn from many studies
	Weights/emphasizes teacher growth and development	✓			Although weighting could be applied to emphasize teacher growth, none was provided
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)		\checkmark		



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Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Framework: Reeves' Leadership Performance Matrix

Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
~	Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective	V			A clear translation from the current four-tier rating system to a five-tier system can be easily performed.
~	Annual evaluations that provide feedback to improve student learning and outcomes			V	The overall purpose of the Reeves' MLA System is to improve leadership and provide a clear path for each element of performance. The MLA system is used as a learning system directly correlated to teacher action and student learning.
~	Be evidence-based (e.g. research and field proven)		~		The Reeves' MLA System is widely used by individual school districts as well as being competitively selected as the statewide model in both Florida and New York.
~	Include observable and measurable characteristics of personnel and site management practices (rubrics and evidences for each rubric)		~		Same response as for item #2 above.
✓	Be correlated to student performance success		~		The MLA system provides not just a rearview look but rather a windshield approach linking the student data, teacher data, and leader data in real time.



Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
*	Be based on research-based national best practices and methodology			~	Consists of leadership best practices that are well documented in two of the most recent studies on leadership (Wahlstrom, Louis, Leithwood, & Anderson, 2010; Hattie, 2009)
*	Include the following six domains: organizational and school management skills, including retention and development of effective teachers and dismissal of ineffective teachers; instructional leadership; professional growth and responsibility; interpersonal skills; leadership skills; and stakeholder perceptions.			~	Each of the state identified leadership domains are clearly reflected in the Reeves' MLA Framework as well as additional domains that are linked to effective leadership and increased student achievement.
	Includes scales or rubrics to identify the level of implementation for the leadership behaviors		✓		Ten leadership domains with 38 subdomains are identified. A continuum of performance is clearly described for each domain.
	Clearly defines and articulates teacher and student evidences for each rubric			~	Each of the continuum descriptions within the ten domains clearly articulates and defines the required teacher and student evidence. It is an evidenced-based rubric, not opinion.
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of leadership performance correlated to student achievement results)		~		The MLA is validated by multiple studies and methodologies i.e. Marzano, Waters, McNulty, Hattie, Reeves.
	Weights/emphasizes teacher growth and development		✓		The Reeves' MLA Framework emphasizes teacher growth and development (Domain 6.0 Faculty Development) in addition to three other key leadership practices (i.e., Student Achievement, Leadership Development, and Personal and Professional Learning) all of which enhance teacher growth and development.
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)		~		Utilizes the findings from The Center's five-year Implementation Audit Study involving over 2,000 schools across the United States and Canada and over 1.5 million students that assist organizations in the deep implementation of initiatives.



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Does not meet the criteria	From the materials provided, does not appear to meet the criteria
Meets the criteria	From the materials provided, appears to meet the criteria
Exceeds the criteria	From the materials provided, appears to exceed the criteria

Leadership Framework: VAL-ED (Vanderbilt Assessment of Leadership in Education)

Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
1	 Includes a Five-Tier Rating System (qualitative measures) 1) Superior 2) Highly Effective 3) Effective 4) Needs Improvement 5) Ineffective 	✓			Could be part of a leadership evaluation but is not a complete evaluation framework
✓	Annual evaluations that provide feedback to improve student learning and outcomes	\checkmark			Is not an evaluation system
~	Be evidence-based (e.g. research and field proven)		~		
~	Include observable and measurable characteristics of personnel and site management practices (rubrics and evidences for each rubric)	~			
✓	Be correlated to student performance success		✓		
~	Be based on research-based national best practices and methodology		~		
*	Include the following six domains: organizational and school management skills, including retention and development of effective teachers and dismissal of ineffective teachers; instructional leadership; professional growth and responsibility; interpersonal skills; leadership skills; and stakeholder perceptions.	~			May be used as part of a leadership evaluation system but is missing required components
	Includes scales or rubrics to identify the level of implementation for the leadership behaviors		~		
	Clearly defines and articulates teacher and student evidences for each rubric	~			



Required by Statute	Leader Evaluation Framework/Model Selection Criteria for the Qualitative Measures	Does not meet the criteria	Meets the criteria	Exceeds the criteria	Reviewers' Notes
	Validation studies (Specific studies on the model/framework to verify its ability to identify levels of leadership performance correlated to student achievement results)		√		
	Weights/emphasizes teacher growth and development	\checkmark			
	Depth of supports provided for the framework (qualified capacity to support statewide efforts)		\checkmark		

ATTACHEMENTS C-G

Attachments C-G are the full, proprietary frameworks of Danielson, Marzano, Tulsa, McREL, and Reeves. These attachments were provided to the Governor, required members of the Legislature, and the Oklahoma State Board of Education for review and approval purposes only. Districts will be provided access to the full frameworks during TLE Training.

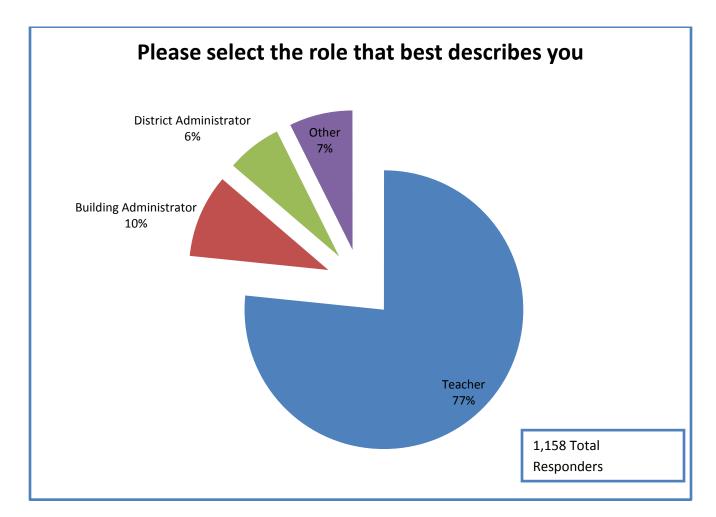
ATTACHEMENT H

Summary of Public Comment

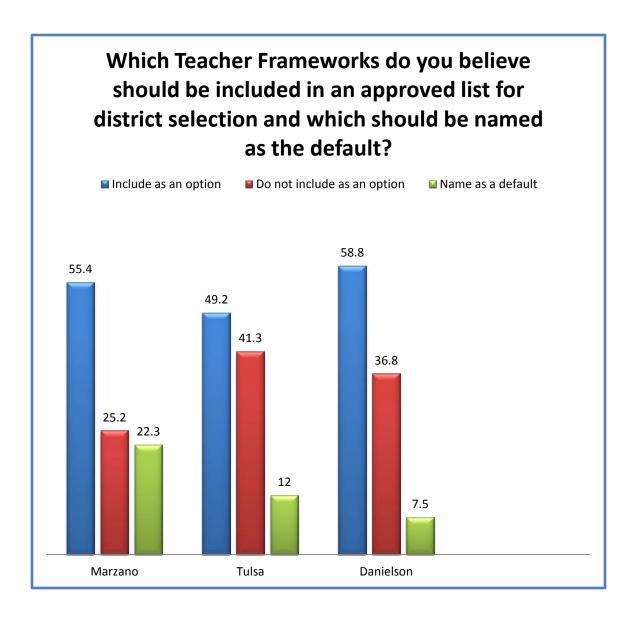
<u>Attachment H</u>

Summary of Public Comment

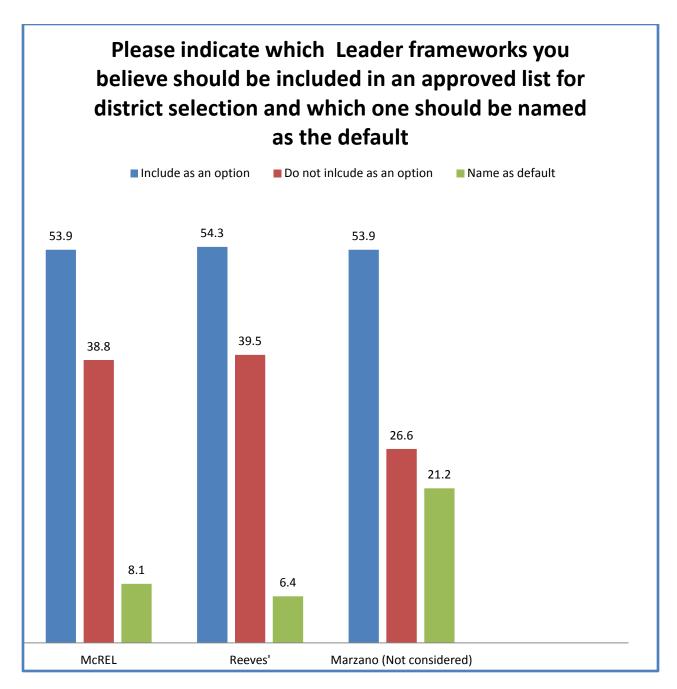
As a brief overview, on September 13, 2011, the State Department of Education created a public survey to gather input regarding the Commission's first two preliminary recommendations. To date, this survey remains active; however, the following results reflect the data from September 13, 2011 through December 2, 2011. Accessibility to this electronic survey was made available through the Department's website, and email listservs. In addition, several organizations throughout the state added links to the survey onto their websites. The following is a snapshot of some of the more pertinent data generated from this survey.



As illustrated in the pie chart, the vast majority of the 1,158 survey responders were teachers, totaling 76.5% of the total responders. Building administrators accounted for 9.7% of the responders and district administrators accounted for 6.4% of the responders. In total, nearly 93% of the responders to the public comment survey were people who have direct, daily involvement with education.



Most responders agreed that each of the three Frameworks should be included as an option for district selection. When asked which Framework should be selected as the default, the Marzano's Framework received the highest approval rating at 22.3%. Tulsa's Framework received a 12% approval rating and Danielson's Framework received a 7.5% approval rating. Most notably, when asked which Framework <u>should not</u> be included as an option, Tulsa's Framework received the highest rating at 41.2%. For this same question, Marzano's Framework received a 25.3% rating and Danielson Framework received a 36.9% rating.



It is important to note that when this question was originally posed to the public, the Marzano's Leadership Evaluation System was presented as an option. However, as of the Commission's December 5, 2011 meeting, the Marzano Leadership System was not fully developed. As a result, the Commission only considered the McREL and Reeves Frameworks in its selection. Interestingly, Marzano's Leadership System received the highest "Name as Default" rating at 21.2%.

After the Commission made preliminary recommendations 3-5 at its November 7, 2011 meeting, the public was asked to respond, via email, to the newest recommendations as well as provide overall input regarding the TLE process. Twenty-eight emails and letters were received, the majority of which were generic comments and concerns regarding the TLE process. Two emails were specifically in favor of adopting the Marzano Framework. There were no emails received that favored either the Tulsa or the Danielson Framework. Below is a direct copy of one of the emails in support of the Marzano Framework.

After much thought about which Teacher Leader Effectiveness Framework would make the greatest impact on Teaching and Learning in my district, I have come full circle on my preference! I first thought the Tulsa model would be good because it was the least amount of change, and thus would be easier to "sell" to anyone who is reluctant about change. I even sent Comments on TLE earlier that leaned in favor of the Tulsa model.

After studying Robert Marzano's The Art and Science of Teaching, I now see the impact his framework could make on instruction, and THAT (improved instruction) is what will make a difference for our students in Mid-Del. We have caring teachers who prepare and teach well, but many do not employ a framework to design their instructional lessons and to organize their instructional strategies. That is the strength of Marzano's Framework! To further benefit and add to the professional development of educators using the protocol, Marzano's online observation tool contains video clips that relate directly to elements/ indicators in the observation protocol. So when I identify an area that needs to be strengthened in a teacher's toolkit of procedures and strategies, I can simply click to direct the teacher to a master teacher modeling that particular strategy.

In Marzano's work, teaching<learning<evaluation of teaching and learning -

- all is blended together with common language. It blends perfectly with the style of instruction required to teach Common Core effectively.

Finally professional development would be directly tied to research and to the evaluation, and everyone would have a clear path and a purpose leading to improvement as we hone our skills as educators.

In my 35 years as an educator, these are the most exciting times I've experienced! We have such an opportunity to truly impact the way teachers teach, and the way students learn! In Mid-Del, we are bringing Phil Warrick, from the Marzano Research group, to guide our principals in professional development using the framework The Art and Science of Teaching. I would invite any of the Commission members or State Department staff who would like to hear more and see the training unfold to join us in Mid-Del on November 30 during Dr. Warrick's presentation.

Please share my thoughts with the TLE Commission and any others at the State Department who might want to hear my thoughts. Thank you! Kathy Dunn Executive Director of Teaching & Learning (405) 737-4461 x1225 Kdunn@mid-del.net Mid-Del Schools

<u>ATTACHEMENT I</u> State Board of Education Adopted Policies

Oklahoma State Board of Education Adopted Policies Pursuant to 70 O.S. § 6-101.16A

December 15, 2011

The TLE Commission has approved certain frameworks for district selection both for Teacher and Leader Evaluation. A pilot program will be conducted over the next year (2012-2013) using the approved frameworks that are selected by each district. At the end of the pilot program, both the TLE Commission and the State Board of Education will be better able to evaluate each framework. Based on the TLE Commission's recommendations, the State Board of Education named the Tulsa TLE Observation and Evaluation System for the Teacher Training Evaluation and the McREL Principal Evaluation System for the Leadership Training Evaluation as the presumptive default frameworks. During the pilot program, the allocation of funds between approved frameworks will be supported by local funds or at the discretion of the Oklahoma Department of Education through a formula based on the districts' Average Daily Attendance. At the end of the pilot program, in one year, after further study and recommendations by the TLE Commission, the State Board of Education will adopt default frameworks.

For the Teacher Evaluation System, the Oklahoma State Board of Education has named a limited number of frameworks that meet specific criteria, including all statutory requirements, for district selection. The following frameworks are included in the list of approved options: Danielson's Framework for Teaching, Marzano's Causal Teacher Evaluation Model, and Tulsa's TLE Observation and Evaluation System. For the Leader Evaluation System, The Oklahoma State Board of Education has named a limited number of frameworks that meet specific criteria, including all statutory requirements for district selection. The following frameworks are included in the list of approved options: McREL's Principal Evaluation System (pending correlation to statutory criteria) and Reeves's Leadership Performance Matrix (pending correlation to statutory criteria).

For both the Teacher Evaluation System and the Leader Evaluation System, any modifications to the default framework or other approved frameworks must be approved by the Oklahoma State Board of Education against a specific set of criteria, including all statutory requirements, based on impact to student learning.

In regards to the quantitative portion of the Teacher and Leader Evaluation System, the Oklahoma State Board of Education approves using a Value Added Model in calculating the thirty-five percentage points attributed to student academic growth using multiple years of standardized test data for those teachers in grades and subjects for which multiple years of standardized test data exist.

In regards to the quantitative portion of the Teacher and Leader Evaluation System, the Oklahoma State Board of Education approves using a Value Added Model in calculating the thirty-five percentage points attributed to student academic growth using multiple years of standardized test data for those leaders of buildings containing grades and subjects for which multiple years of standardized test data exist.

In addressing those teachers and leaders in grades and subjects for which there is no statemandated testing measure to create a quantitative assessment, the Oklahoma State Board of Education approves conducting more research to determine the appropriate measure(s) of student achievement taking into account a combination of multiple measures and including teacher, leader, and specialist input.

In regards to the fifteen percentage points based on other academic measures, the Oklahoma State Board of Education approves conducting further study of best practices across the country as well as inviting Oklahoma educators to provide input to develop a list of appropriate measures for Oklahoma.