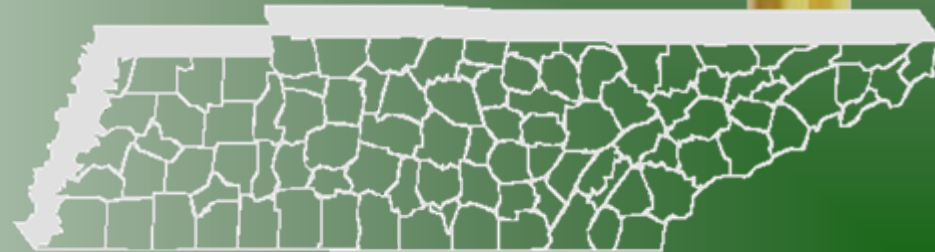




**TVAAS**  
**Teacher Effect Data**

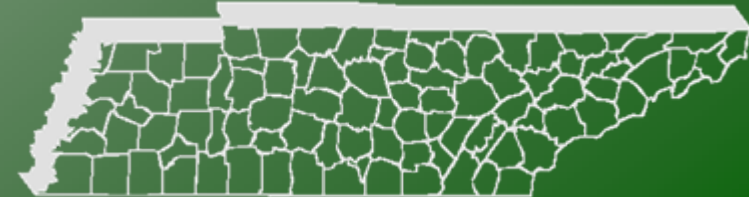
**LEAD Conference**  
**2009**



# Teacher Effect Data

TCA 49-1-606a

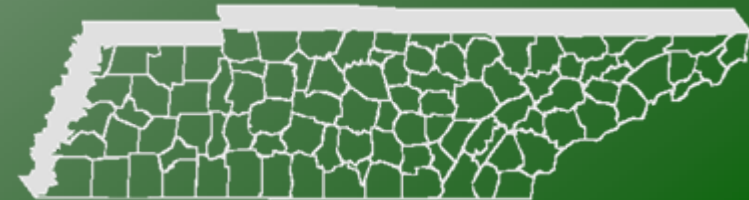
- TCAP tests... will be used to provide an estimate of the statistical distribution of teacher effects on the educational progress of students...
- Teacher Effect... may not be used as a part of formal personnel evaluation until data from three (3) complete academic years are obtained.



# Teacher Effect Data

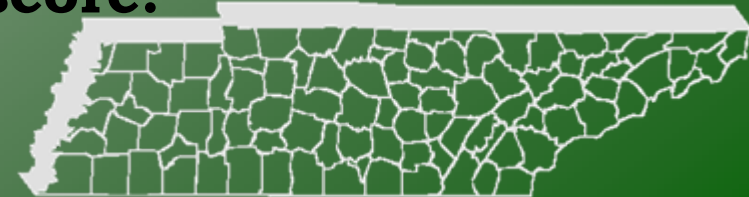
## TCA 49-1-606b

- “The estimates of specific teacher effects on the educational progress of students will not be a public record, and will be made available only to specific teacher, the teacher’s appropriate administrators as designated by the local board of education, and the school board members.



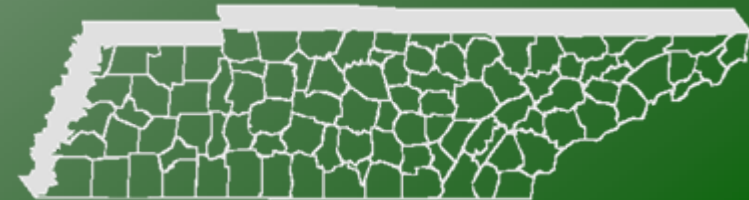
# Teacher Effect Data

**Teacher effect scores are reported in normal curve equivalent (NCE) scores relative to the average growth of students statewide in a given grade and subject. A teacher effect score below zero indicates that the average student in the teacher's class made less growth than the statewide average, while a teacher effect score above zero indicates that the average student in the teacher's class made more growth than the statewide average. All teacher effect scores include a standard error, which is a measure of the uncertainty around the score.**



# Schooling Effect vs Teacher Effect

A different analyses is used for a teacher report than is used for **system** and **school** effect. The teacher report analyses is especially protective of teachers, assuming that they are not detectably different from the average teacher in System, in the grade and subject that they teach unless a body of evidence pulls their estimate away from that average teacher.



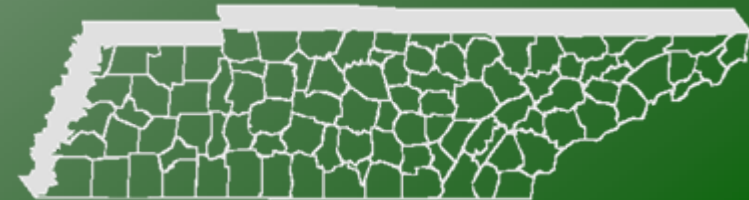
# Who's Excluded

By law **TCA 49-1-606**

- Students receiving Special Ed services (IDEA 13 categories, Federal Definition)

Gifted and Functionally Delayed must be **included.**

- Attendance/Enrollment  
High School  
Elementary/Middle School

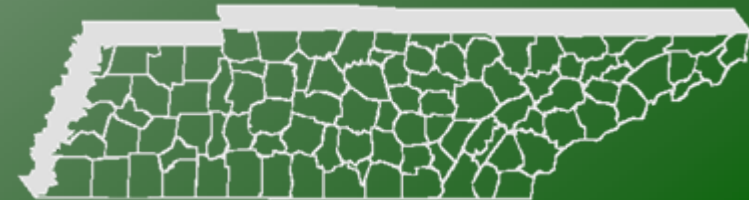


# Teacher Reports

**“Teacher Copy” and “Highly Qualified Copy” delivered unopened to teacher, who signs a dated teacher roster acknowledging receipt.**

**“Administrator Copy” delivered unopened to building principal, who signs a dated roster acknowledging receipt.**

**“File Copy” maintained in secured location at Central Office, destroyed after five years.**



# Elementary School Report

## 2006 TVAAS Teacher Report

Teacher:  
System:  
School:

\*\*\* TEACHER COPY \*\*\* [Prntr Sq. # 00002]

Grade: 4

Estimated Mean NCE Gains and (in parentheses) their Standard Errors

	Math	Reading/ Language	Science	Social Studies
Growth Standard:	0.0	0.0	0.0	0.0
State 3-Yr NCE Gain:	0.7	0.2	1.8	1.9
2004 Teacher NCE Gain:	-1.4 ( 1.7)	-1.8 ( 1.7)	-2.5 ( 1.5)	-4.3 ( 1.4)
2004 System NCE Gain:	-1.9 ( 0.8)	-1.7 ( 0.6)	-3.6 ( 0.7)	-3.5 ( 0.7)
2005 Teacher NCE Gain:	-2.3 ( 2.1)	1.5 ( 1.7)	3.3 ( 1.8)	5.8 ( 1.7)
2005 System NCE Gain:	0.8 ( 0.8)	1.5 ( 0.6)	3.2 ( 0.7)	5.8 ( 0.7)
2006 Teacher NCE Gain:	1.5 ( 2.4)	2.4 ( 1.8)	3.9 ( 2.0)	7.7 ( 2.0)
2006 System NCE Gain:	3.7 ( 0.8)	1.1 ( 0.6)	5.6 ( 0.7)	7.4 ( 0.6)
Teacher 3-Yr-Avg:	-0.7 ( 1.2)	0.7 ( 1.0)	1.6 ( 1.0)	3.1 ( 1.0)
System 3-Yr-Avg:	0.8 ( 0.4)	0.3 ( 0.3)	1.7 ( 0.4)	3.2 ( 0.4)

### Teacher 3-Year-Average Gain Comparisons

Teacher vs Gr.Std.:	NDD from Gr.Std.	NDD from Gr.Std.	NDD from Gr.Std.	Above Gr.Std.
Teacher vs State:	NDD from Mean	NDD from Mean	NDD from Mean	NDD from Mean
Teacher vs System:	NDD from Mean	NDD from Mean	NDD from Mean	NDD from Mean

Note: NDD = Not Detectably Different (within 2 standard errors).

The estimated teacher gains presented here are the official TVAAS estimates from statistical mixed model methodology which protects each teacher from misleading results due to random occurrences. Each teacher's gain is assumed to be equal to the average gain for the district until the weight of the data pulls the estimate away from the district average. This year's estimates of previous years' gains may have changed as a result of incorporating the most recent student data. Re-estimating all years in the current year with the newest data available provides the most precise and reliable information for any year and subject/grade combination. Find district and school information at the following:  
TVAAS Public [https://tvaas.sas.com/evaas/public\\_welcome.jsp](https://tvaas.sas.com/evaas/public_welcome.jsp),  
TVAAS Restricted: <https://tvaas.sas.com/evaas/login.jsp>

# Middle School Report

2006 TVAAS Teacher Report

Teacher:  
System:  
School:

\*\*\* TEACHER COPY \*\*\* [Prntr Sq. # 00060]

Grade: 7

Estimated Mean NCE Gains and (in parentheses) their Standard Errors

	Math	Reading/ Language	Science	Social Studies
Growth Standard:		0.0		
State 3-Yr NCE Gain:		0.3		
2004 Teacher NCE Gain:		-0.8 ( 2.8)		
2004 System NCE Gain:		-1.9 ( 0.5)		
2005 Teacher NCE Gain:		5.1 ( 2.2)		
2005 System NCE Gain:		0.8 ( 0.5)		
2006 Teacher NCE Gain:		-4.2 ( 3.6)		
2006 System NCE Gain:		-1.0 ( 0.5)		
Teacher 3-Yr-Avg:		0.0 ( 1.7)		
System 3-Yr-Avg:		-0.7 ( 0.3)		

Teacher 3-Year-Average Gain Comparisons

Teacher vs Gr.Std.:	NDD from Gr.Std.
Teacher vs State:	NDD from Mean
Teacher vs System:	NDD from Mean

Note: NDD = Not Detectably Different (within 2 standard errors).

The estimated teacher gains presented here are the official TVAAS estimates from statistical mixed model methodology which protects each teacher from misleading results due to random occurrences. Each teacher's gain is assumed to be equal to the average gain for the district until the weight of the data pulls the estimate away from the district average. This year's estimates of previous years' gains may have changed as a result of incorporating the most recent student data. Re-estimating all years in the current year with the newest data available provides the most precise and reliable information for any year and subject/grade combination. Find district and school information at the following:  
TVAAS Public [https://tvaas.sas.com/evaas/public\\_welcome.jsp](https://tvaas.sas.com/evaas/public_welcome.jsp),  
TVAAS Restricted: <https://tvaas.sas.com/evaas/login.jsp>

# High School Report

## 2006 TVAAS Teacher Report

Teacher:  
System:  
School:

\*\*\* TEACHER COPY \*\*\*

(Prntr Sq. # 00015)

### 2006 TVAAS Teacher Report High School Gateway and End of Course Exams

Test	Subject	Year	Nr of Students	Mean of Student Scores	%-tile of Mean Score	Mean of Predicted Scores	%-tile of Predicted Score	TVAAS Teacher Effect	%-tile of TVAAS Effect	Teacher versus State Avg
Gateway	Biology I	2004	51	565.9	73	568.7	76	-2.58	42	NDD
	Biology I	2005	42	568.5	70	568.2	69	0.21	51	NDD
	Biology I	2006	67	571.2	70	572.8	72	-1.52	44	NDD
	Biology I	3-Yr-Avg	160	568.8	71	570.3	71	-1.30	38	NDD

Nr of Students: The number of students with predicted scores.

Mean of Student Scores: Average of the students' actual subject matter test scores for the teacher.

Mean of Predicted Scores: Average of the students' predicted scores for the teacher.

Predicted Score: A student's expected score, based on performance on previously taken 6th, 7th, and 8th grade TCAP and TerraNova tests and High School Subject Matter tests, assuming the TVAAS Teacher Effect is equal to the state average.

%-tile of Mean and Predicted Score: The percentile rank of the teacher's average student relative to all Tennessee students who took the test.

TVAAS Teacher Effect: The teacher's value-added amount relative to the state average.

%-tile of TVAAS Effect: The percentile rank of the teacher among all teachers in the state.

Teacher vs State Avg: Is the teacher's value-added amount detectably above or below the state average? NDD = not detectably different from average (plus or minus two standard errors).

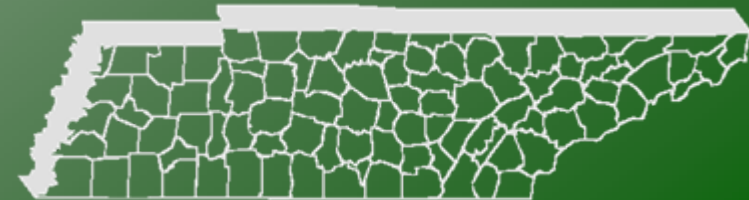
# **My Scores Have Changed!!**

**Just like scores on the restricted site, previous Teacher Effect scores will also change this year.**

# Information on Report is Wrong/I Didn't Get a Report

Send the following information by email to [Teresa.McClure@tn.gov](mailto:Teresa.McClure@tn.gov)

- Name
- Year in question
- District, school, grade, and subject(s)
- Last four digits of social
- Statement of what is wrong
- Mailing address (if requesting a report)

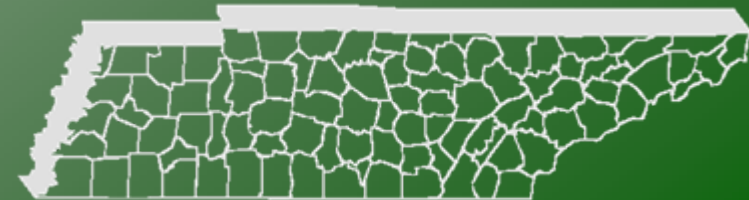


# District/School – Mounds of Paper?

Schools return undeliverable reports to  
District Office

District Offices return undeliverable reports  
to Field Service office.

Maintain deliverable reports for 5 years and  
then shred.



# Questions???

For additional information on TVAAS and value-added professional development opportunities, visit the TDOE website at <http://www.state.tn.us/education/>

Or contact the office of Assessment, Evaluation, & Research :

Teresa McClure  
[Teresa.McClure@tn.gov](mailto:Teresa.McClure@tn.gov)

Vicky Smith  
(615) 532-6255  
[Vicky.smith@tn.gov](mailto:Vicky.smith@tn.gov)

