



School Grading Tool: A User Guide

Overview of School Grading

- For the purposes of this guide, we assume familiarity with the A-F school grading framework being implemented in summer 2018.
- For an overview of A-F school grading, consult the presentations located at: bit.ly/tnedu-school-grading

The tool allows users to input data and model the school grading process.

<https://tnedu.shinyapps.io/school-grading>

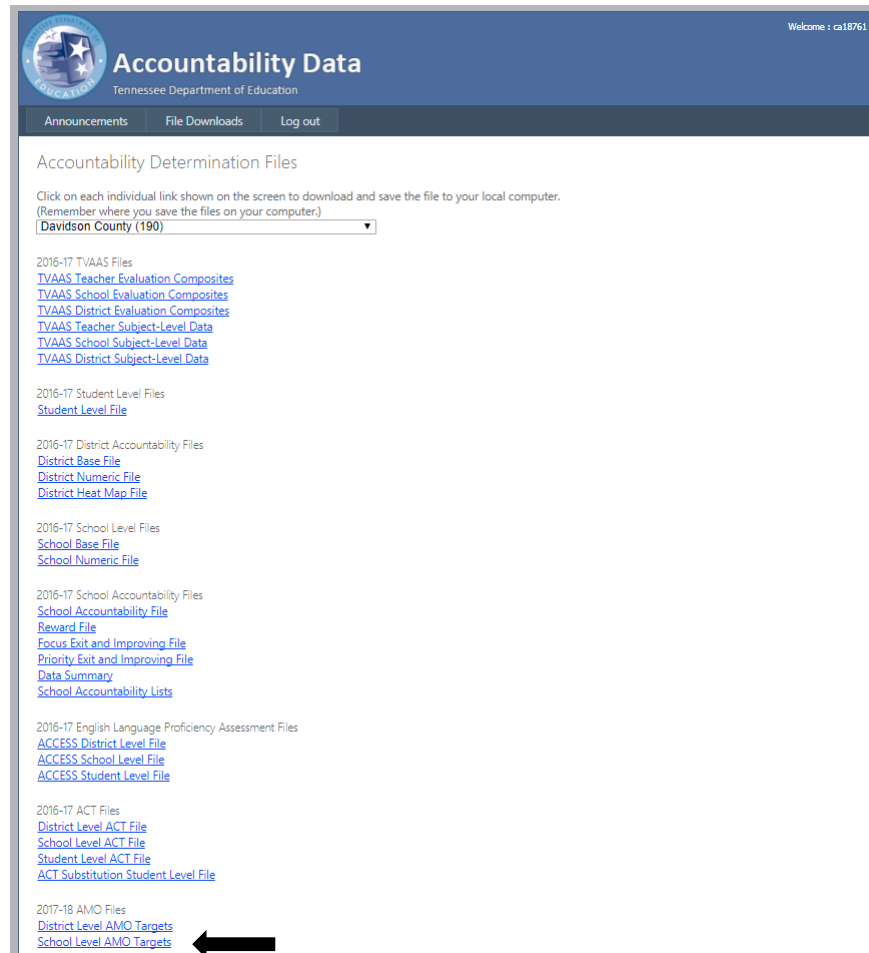
This guide is intended as a walkthrough of the tool.

<https://tnedu.shinyapps.io/school-grading>

How to use this guide:

- Using their AMO target file, schools can estimate their 2018 performance relative to targets set in 2017 and explore how various scenarios translate into final grades.
- Once preliminary data is released in summer 2018, schools can also calculate grades before official school grades are released.

To use the school grading tool, you will need the School Level AMO Targets file available via the accountability application.



The screenshot shows the 'Accountability Data' application interface. At the top, there is a header with the Tennessee Department of Education logo and the text 'Accountability Data Tennessee Department of Education'. Below the header, there are navigation tabs: 'Announcements', 'File Downloads', and 'Log out'. The main content area is titled 'Accountability Determination Files'. It includes a message: 'Click on each individual link shown on the screen to download and save the file to your local computer. (Remember where you save the files on your computer.)'. Below this message is a dropdown menu currently set to 'Davidson County (190)'. The page lists various file categories and links:

- 2016-17 TVAAS Files
 - [TVAAS Teacher Evaluation Composites](#)
 - [TVAAS School Evaluation Composites](#)
 - [TVAAS District Evaluation Composites](#)
 - [TVAAS Teacher Subject-Level Data](#)
 - [TVAAS School Subject-Level Data](#)
 - [TVAAS District Subject-Level Data](#)
- 2016-17 Student Level Files
 - [Student Level File](#)
- 2016-17 District Accountability Files
 - [District Base File](#)
 - [District Numeric File](#)
 - [District Heat Map File](#)
- 2016-17 School Level Files
 - [School Base File](#)
 - [School Numeric File](#)
- 2016-17 School Accountability Files
 - [School Accountability File](#)
 - [Reward File](#)
 - [Focus Exit and Improving File](#)
 - [Priority Exit and Improving File](#)
 - [Data Summary](#)
 - [School Accountability Lists](#)
- 2016-17 English Language Proficiency Assessment Files
 - [ACCESS District Level File](#)
 - [ACCESS School Level File](#)
 - [ACCESS Student Level File](#)
- 2016-17 ACT Files
 - [District Level ACT File](#)
 - [School Level ACT File](#)
 - [Student Level ACT File](#)
 - [ACT Substitution Student Level File](#)
- 2017-18 AMO Files
 - [District Level AMO Targets](#)
 - [School Level AMO Targets](#)

A black arrow points to the 'School Level AMO Targets' link.

To use the school grading tool, you will need the School Level AMO Targets file available via the accountability application.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
year	system	system_n	school	school_na	pool	subject	grade	subgroup	amo_targ	double_ar	amo_redu	double_ar	valid_test	pct_on_m	grad_cohc	grad_rate	valid_test	act_21_or	n_student	n_chronic	pct_chronically_absent			
2018	190	Davidson	1	A. Z. Kelle	K8	Success R	All Grades	All Studer	44.1	47.9				626	40.4									
2018	190	Davidson	1	A. Z. Kelle	K8	Success R	All Grades	Black/His	40.7	44.6				390	36.7									
2018	190	Davidson	1	A. Z. Kelle	K8	Success R	All Grades	Economic	36.8	41				264	32.6									
2018	190	Davidson	1	A. Z. Kelle	K8	Success R	All Grades	English Le	30.2	34.8				212	25.5									
2018	190	Davidson	1	A. Z. Kelle	K8	Success R	All Grades	Students	16.5	22				92	10.9									
2018	190	Davidson	1	A. Z. Kelle	K8	Success R	All Grades	Super Sub	40.8	44.7				554	36.8									
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	All Students				7.8	7.3						796	66	8.3			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	Asian				0	0						73	0	0			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	Black or African American				6	5.6						280	18	6.4			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	Black/Hispanic/Native America				9	8.4						498	48	9.6			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	Economically Disadvantaged				11.6	10.9						330	41	12.4			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	English Learners				10.6	9.9						284	32	11.3			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	Hispanic				12.9	12.1						218	30	13.8			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	Students with Disabilities				15.7	14.6						84	14	16.7			
2018	190	Davidson	1	A. Z. Kelle	K8	Chronical	All Grades	White				7.5	7						225	18	8			
2018	190	Davidson	3	Metro Na	HS	Success R	All Grades	All Students					0											
2018	190	Davidson	3	Metro Na	HS	Success R	All Grades	Black/Hispanic/Native American					0											
2018	190	Davidson	3	Metro Na	HS	Success R	All Grades	Economically Disadvantaged					0											
2018	190	Davidson	3	Metro Na	HS	Success R	All Grades	English Learners					0											
2018	190	Davidson	3	Metro Na	HS	Success R	All Grades	Students with Disabilities					0											
2018	190	Davidson	3	Metro Na	HS	Success R	All Grades	Super Subgroup					0											
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	All Students							48		23							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	American Indian or Alaska Native							0									
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Asian							0									
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Black or African American							0									
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Black/Hispanic/Native American							0		0							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Economically Disadvantaged							0		0							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	English Learners							0		0							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Hispanic							0									
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Native Hawaiian or Other Pacific Islander							0									
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Non-Economically Disadvantaged							40		21							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Non-English Learners							48		23							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Non-Students with Disabilities							42		22							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Students with Disabilities							0		0							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	Super Subgroup							16		5							
2018	190	Davidson	3	Metro Na	HS	Ready Gra	9th throug	White							39									
2018	190	Davidson	3	Metro Na	HS	Graduatio	9th throug	All Studer	59	61.8					48	56.3								
2018	190	Davidson	3	Metro Na	HS	Graduatio	9th throug	American Indian or Alaska Native							0									

Accountability Targets

Subject Targets | Planning Only



The logo consists of a red square containing the white letters 'TN' in a serif font. Below the red square is a thin dark blue horizontal bar.

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Priority (F) Schools

The first questions identify whether a school is at risk of being an F school.

School Grading Modeling

A success rate is the percentage of students on track or mastered in math, English language arts, and science, aggregated across subjects with at least 30 tests.

For high schools, this also includes students who earn an ACT composite score of 21 or higher.

What is your school's one-year success rate or two-year success rate if your school serves high school grades?

The cutoffs correspond roughly to the 5th and 10th percentile of school success rates.

School Grading Modeling

A success rate is the percentage of students on track or mastered in math, English language arts, and science, aggregated across subjects with at least 30 tests.

For high schools, this also includes students who earn an ACT composite score of 21 or higher.

What is your school's one-year success rate or two-year success rate if your school serves high school grades?

Less than 10%

Between 10% and 15%

Above 15%

A school is safe-harbored from F status if it earns a TVAAS Composite Level 4 or 5 in the two most recent years.

School Grading Modeling

A success rate is the percentage of students on track or mastered in math, English language arts, and science, aggregated across subjects with at least 30 tests.

For high schools, this also includes students who earn an ACT composite score of 21 or higher.

What is your school's one-year success rate or two-year success rate if your school serves high school grades?

Between 10% and 15% ▼

Did your school earn a TVAAS Composite Level 4 or 5 in 2017?

| ▲

Yes

No

The logo consists of a red square with the letters 'TN' in white, serif font. Below the red square is a thin, dark blue horizontal bar.

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A-F Grading Indicators

Next, the tool presents a series of tables corresponding to school grading indicators.

Answer the following about your school's achievement and growth.

	Success Rate	Success Rate Target	TVAAS	Subgroup Growth
All Students	One-year success rate is greater than or equal to 35% but less than 45% ▼	Upper bound of one-year success rate confidence interval equals or exceeds AMO target ▼	Level 3 ▼	N/A - School does not serve 30 students in this subgroup ▼
Black/Hispanic/Native American	N/A - School does not serve 30 students in this subgroup ▼	N/A - School does not serve 30 students in this subgroup ▼	N/A ▼	Subgroup growth is better than that of 40 percent of schools ▼
Economically Disadvantaged	N/A - School does not serve 30 students in this subgroup ▼	N/A - School does not serve 30 students in this subgroup ▼	N/A ▼	N/A - School does not serve 30 students in this subgroup ▼
Students with Disabilities	N/A - School does not serve 30 students in this subgroup ▼	N/A - School does not serve 30 students in this subgroup ▼	N/A ▼	N/A - School does not serve 30 students in this subgroup ▼
English Learners	N/A - School does not serve 30 students in this subgroup ▼	N/A - School does not serve 30 students in this subgroup ▼	N/A ▼	N/A - School does not serve 30 students in this subgroup ▼
Super Subgroup	N/A - School does not serve 30 students in this subgroup ▼	N/A - School does not serve 30 students in this subgroup ▼	N/A ▼	N/A - School does not serve 30 students in this subgroup ▼

Each cell is a dropdown. Select the option corresponding to your school's data.

	Success Rate	Success Rate Target	TVAAS
All Students	One-year success rate is greater than or equal to 35% but less than 45%		
Black/Hispanic/Native American	N/A - School does not serve 30 students in this subgroup One-year success rate is less than 25% One-year success rate is greater than or equal to 25% but less than 35%		
Economically Disadvantaged	One-year success rate is greater than or equal to 35% but less tha... One-year success rate is greater than or equal to 45% and less than 50%		
Students with Disabilities	One-year success rate is greater or equal to 50%		

Achievement/Growth Table

- This table asks about school success rates, performance relative to success rate targets, TVAAS, and subgroup growth.
- For each subgroup, a school receives a grade corresponding to the better of its Success Rate and Success Rate Target performance.
- Success rates only include subjects with 30 or more valid tests.
- TVAAS only applies to All Students. Subgroup growth only applies to subgroups.

Success Rate targets are found in columns J and K of the SchoolLevelAMO file.

G	H	I	J	K	L	M	N	O
subject	grade	subgroup	amo_target	double_amo_target	amo_re	double	valid_t	pct_on
Success Rate	All Grades	All Students	39.3	43.4			428	35.3
Success Rate	All Grades	Black/Hispanic	27.3	32.2			182	22.5
Success Rate	All Grades	Economic Disadvantaged	22.9	28.1			118	17.8
Success Rate	All Grades	English Learners					0	
Success Rate	All Grades	Students with Disabilities					0	
Success Rate	All Grades	Superintendent's Choice	30.4	35.1			244	25.8

Subgroup Growth captures students who earn a higher performance level than in the prior year.

- The relative nature of the Subgroup Growth indicator means that thresholds will change from year to year.
- For reference, the cutoffs for subgroup growth from 2017 were as follows:

	BHN	ED	SWD	EL
20 th Percentile				
40 th Percentile				
60 th Percentile				
80 th Percentile				

Graduation Rate Table

- This table asks about graduation rates and performance relative to graduation rate targets.
- For each subgroup, a school receives a grade corresponding to the better of its Graduation Rate and Graduation Rate Target performance.

Graduation Rates targets can be found in columns J and K of the SchoolLevelAMO file.

G	H	I	J	K	L	M	N	O	P	Q
subject	grade	subgroup	amo_targ	double_amo_targ	amo_re	double	valid_t	pct_on	grad_cc	grad_ra
Graduation Rate	9th through	All Students	83.1	84.3					521	82
Graduation Rate	9th through	Black/Hispanic	82.7	83.8					363	81.5
Graduation Rate	9th through	Economic Disadvantaged	86.1	87.1					210	85.2
Graduation Rate	9th through	English Learners	80.7	82					102	79.4
Graduation Rate	9th through	Students with Disabilities	53.1	56.3					58	50
Graduation Rate	9th through	Superintendent's Discretion	82.6	83.7					457	81.4

Ready Graduates Table

- This table asks about the percentage of students who are ready graduates and performance relative to ready graduate targets.
- For each subgroup, a school receives a grade corresponding to the better of its Ready Graduate and Ready Graduate Target performance.
- In future years, ready graduates will include students who complete four early postsecondary opportunities, complete two postsecondary opportunities and earn an industry certification, or complete two postsecondary opportunities and meet specified criteria on the AFQT.

Ready Graduate targets can be found in columns J and K of the SchoolLevelAMO file.

G	H	I	J	K	L	M	N	O	P	Q	R	S
subject	grade	subgroup	amo_targ	double_amo_targ	amo_re	double	valid_t	pct_on	grad_cc	grad_ra	valid_t	act_21
Ready Graduate	9th through	All Students	30.6	35.3					150		149	26
Ready Graduate	9th through	Black/Hispanic	26.5	31.4					134		133	21.6
Ready Graduate	9th through	Economic Disadvantaged	26.3	31.2					56		55	21.4
Ready Graduate	9th through	English Learners							3		3	
Ready Graduate	9th through	Students with Disabilities							12		12	
Ready Graduate	9th through	Super Subgroup	26.8	31.7					137		136	21.9

English Language Proficiency Table

- This table asks about the percentage of English Learner students who meet the growth standard on the English Language Proficiency Assessment.
- For reference, the ELPA growth standards are as follows:

Prior Year ELP Range	Growth Standard
1.0 – 1.4	1.3
1.5 – 1.9	0.7
2.0 – 2.4	0.8
2.5 – 2.9	0.7
3.0 – 3.4	0.4
3.5 – 3.9	0.5
4.0 – 4.4	0.4

Chronic Absenteeism Table

- This table asks about the percentage of students who are chronically absent and performance relative to chronic absenteeism targets.

Chronic Absenteeism reduction targets can be found in columns L and M of the SchoolLevelAMO file.

G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
subject	grade	subgro	amo_ta	double	amo_reduction_target	double_amo_reduction_target							n_stud	n_chro	pct_chro	ically_absent
Chronically Out of School	All Grades	All Students			12.8	12							577	79	13.7	
Chronically Out of School	All Grades	Black/Hispanic/Native American			11.3	10.5							368	44	12	
Chronically Out of School	All Grades	Economically Disadvantaged			14.8	13.8							311	49	15.8	
Chronically Out of School	All Grades	English Learners			9.4	8.8							80	8	10	
Chronically Out of School	All Grades	Students with Disabilities			18.5	17.2							66	13	19.7	

Two other notes on grading:

- For Achievement, Graduation Rate, Ready Graduates, and Absenteeism, a school only receives a grade for a subgroup if it has data for both the absolute and target components.
- Super Subgroup results only count toward school grading if no other subgroup meets the minimum count for any indicator.

Questions?

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Reminder: resources on A-F school grading available at:

- bit.ly/tnedu-school-grading