

Assessment and Accountability Overview

Walt Drane, Ed.S.

Executive Director, Assessment and Accountability

Division of Research & Development-March 2017



Vision

To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens.

Mission

To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community.

Goals of State Board of Education

- ✓ All Students Proficient and Showing Growth in All Assessed Areas.
- ✓ Every Student Graduates from High School and is Ready for College and Career.
- ✓ Every Child Has Access to a High-Quality Early Childhood Program.
- ✓ Every School Has Effective Teachers and Leaders.
- ✓ Every Community Effectively Using a World-Class Data System to Improve Student Outcomes.
- ✓ Every School and District is Rated “C” or Higher.



School Improvement



School Improvement: Needs Assessment

- Needs Assessment:
 - Where are your school and district deficits?
 - Example: Graduation Rate
 - What are the identified issues?
 - Identification (SAR, Priority, Focus, SIG)
 - Where are the strengths and weaknesses?
 - Trending upward or downward?
 - Reading, mathematics, and science proficiency
 - Reading and mathematics growth
 - What does school Climate and Culture look like?
 - How does that effect assessment and accountability?

Understanding the SY 2016-17 Accountability for Schools and Districts



Mississippi Statewide Accountability System (MSAS)

- Single “A” through “F” statewide accountability system with applicable state and federal requirements (MS Code Ann. Section 37-17-6)
- Approved by the Mississippi Board of Education January 17, 2014
- System developed in collaboration with the Accountability Task Force, Technical Review Committee, State Legislative Leaders, and MDE Staff

What do we measure in Accountability?

- Proficiency/Performance – Did the student meet expectations?
- Growth - Did the student improve as expected?
- Participation – Did the student participate in assessments/classes?
- Graduation Rates – Did the student graduate as expected and on time?

Elementary and Middle Schools (700 Points Possible)

Reading	Math	Science
Proficiency (100 pts.)	Proficiency (100 pts.)	Proficiency (100 pts.)
Growth All Students (100 pts.)	Growth All Students (100 pts.)	
Growth Lowest 25% (100 pts.)	Growth Lowest 25% (100 pts.)	
Participation is measured in all components		

©MDE - Division of Research and Development

High Schools and Districts (1000 Points Possible)

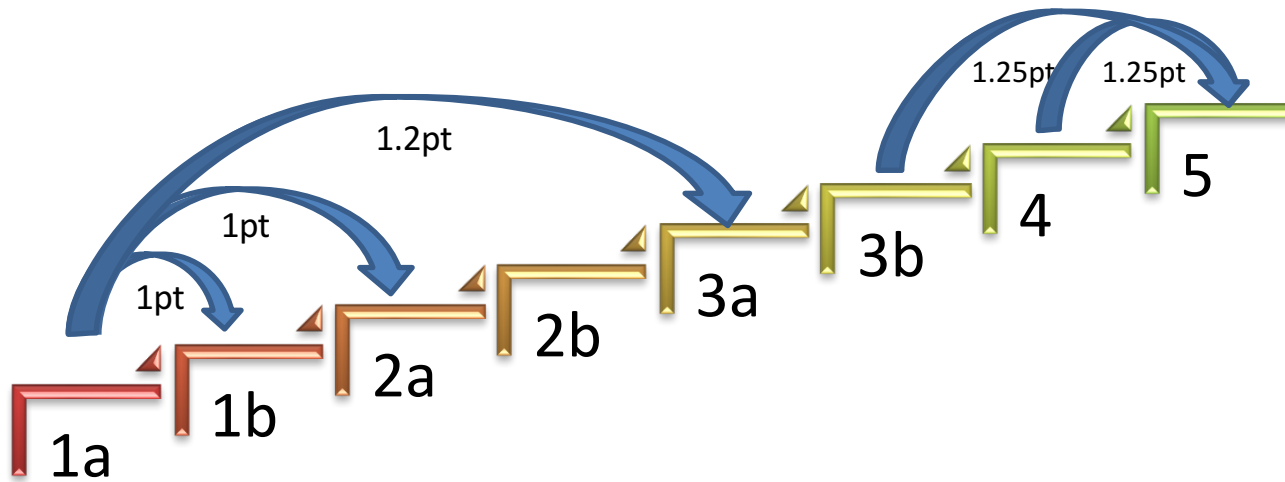
Reading	Math	Other Subjects	Graduation 4 year	Acceleration	College & Career Readiness
Proficiency (100 pts.)	Proficiency (100 pts.)	Science Proficiency (50 pts.)	4-Year Cohort Rate (200 pts.)	Performance (20 pts.)	ACT Math Performance (25 pts.)
Growth All Students (100 pts.)	Growth All Students (100 pts.)	U.S. History Proficiency (50 pts.)		Participation (30 pts.)	ACT Reading or English Performance (25 pts.)
Growth Lowest 25% (100 pts.)	Growth Lowest 25% (100 pts.)				
Participation is measured in all components					

©MDE - Division of Research and Development

Cut Scores for Grade Assignments

Grade	Districts	Elementary Schools	High Schools
A	672	455	738
B	588	385	626
C	523	330	552
D	464	277	470
F	< 464	< 277	< 470

Growth



©MDE - Division of Research and Development

Growth Weighting

First Year Proficiency Level	Level Needed in Year Two to Earn Growth	Level Needed to Earn Weighted Growth
Advanced	Advanced	*****
Proficient	Proficient	Advanced (1.25)
Top Half of Pass	Proficient	Advanced (1.25)
Bottom of Pass	Top Half of Pass or Proficient	Advanced (1.25)
Top Half of Basic	Pass	Advanced (1.25) Proficient (1.2)
Bottom Half of Basic	Top Half of Basic or Pass	Advanced (1.25) Proficient (1.2)
Top Half of Minimal	Basic (top or bottom)	Pass or Proficient (1.2) Advanced (1.25)
Bottom Half of Minimal	Top Half of Minimal or Basic (top or bottom)	Pass or Proficient (1.2) Advanced (1.25)

©MDE - Division of Research and Development

Mississippi Assessment Program (MAP)

Terminology

- **Scale Score** – a score obtained by transforming raw scores which is used to facilitate interpretation.
- **Assessment Scale** – a system of numbers, and their units, by which a value is reported on some dimension of measurement.

Reference: (AERA/APA/NCME, 2014 *Standards for Educational and Psychological Testing*)

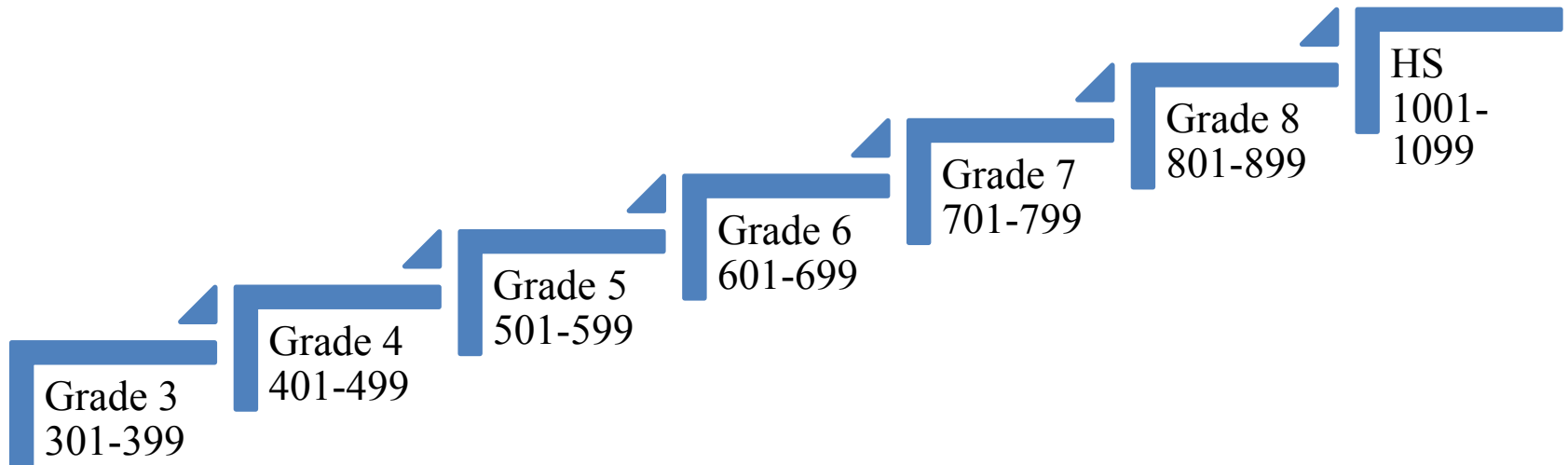
Terminology (cont.)

- **Academic Achievement Standards** – the collective body of performance level descriptors, performance levels, and applicable cut-score values developed for use with criterion-referenced tests.
- **Standard-setting** – research-based approach used in the creation of academic achievement standards.
- **“Cut-Scores”** – a cut score is the minimum score a student must achieve on an assessment in order to be placed in a certain performance level, which also distinguishes one performance level from the next.

Terminology (cont.)

- **Performance Levels** – categories assigned to specific performance on an assessment along the assessment scale/performance continuum.
- **Performance Level Descriptors** – a description of the specific knowledge and skills that a student at a given performance level should be able to demonstrate.

MAP Scale (Conceptual Visualization)



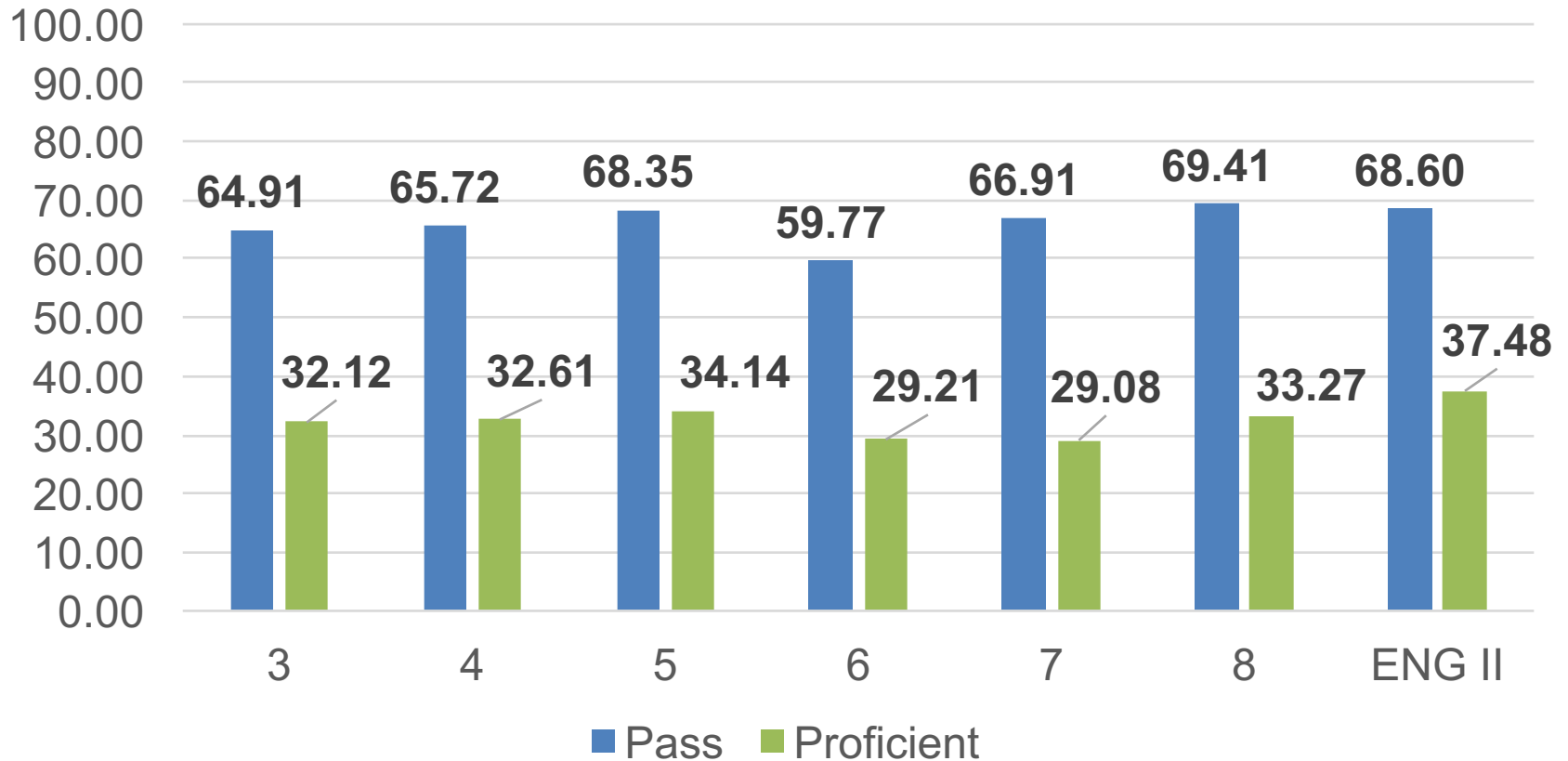
MAP Scale and Performance Levels

MAP Levels	MAP Levels	Scale Score Range	Accountability Levels (District)	Accountability Rating Levels
Level 5	Advanced		672	A
Level 4	Proficient	x65	588	B
Level 3	Pass	x50	523	C
Level 2	Basic		464	D
Level 1	Minimal		<464	F

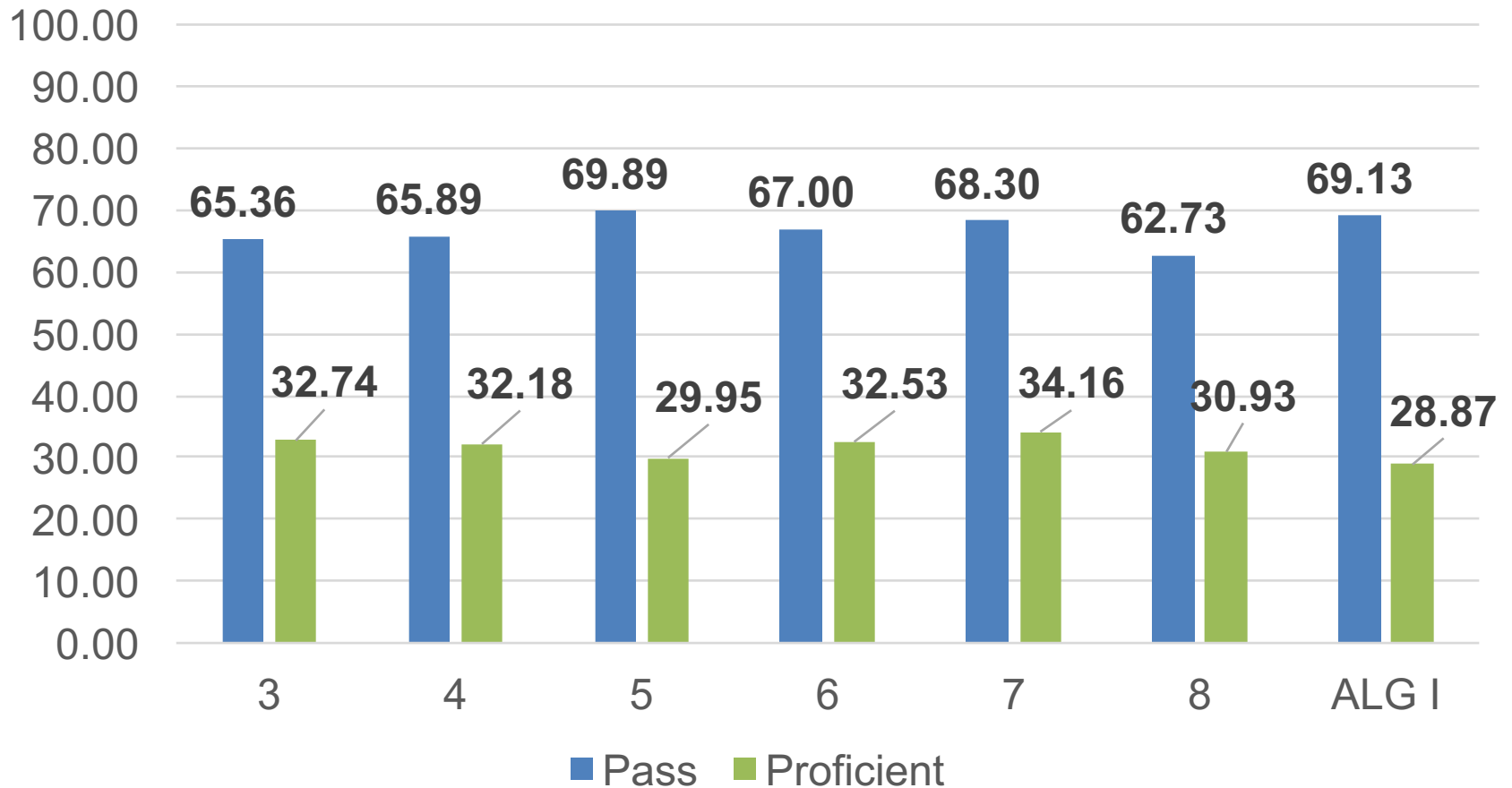


ELA Results: Statewide

"Pass" and "Proficiency" Rates



"Pass" and "Proficiency" Rates



Cut-Scores: ELA

ELA

Grade	<i>Minimal</i> (Level 1)	<i>Basic</i> (Level 2)	<i>Pass</i> (Level 3)	<i>Proficient</i> (Level 4)	<i>Advanced</i> (Level 5)
3	<18	18	27	36	47
4	<18	18	27	34	44
5	<24	24	32	42	50
6	<24	24	34	45	54
7	<22	22	32	46	55
8	<22	22	29	43	55
ENG II	<21	21	29	40	52

Technical Note: The values (cut scores) are represented here as raw scores (RS)

Mathematics

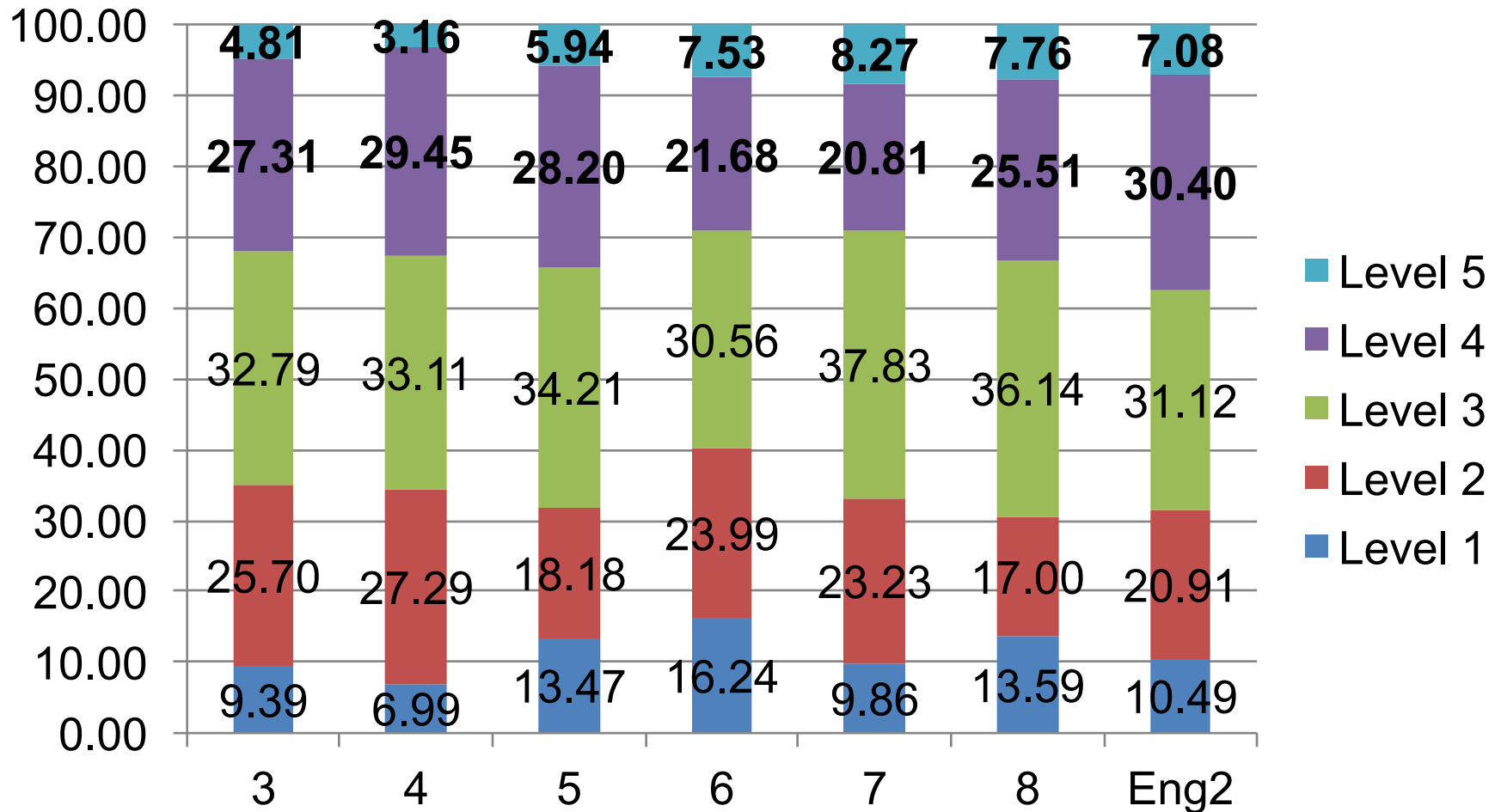
Grade	<i>Minimal</i> (Level 1)	<i>Basic</i> (Level 2)	<i>Pass</i> (Level 3)	<i>Proficient</i> (Level 4)	<i>Advanced</i> (Level 5)
3	<18	18	31	42	51
4	<19	19	29	39	49
5	<13	13	20	33	44
6	<18	18	29	42	58
7	<15	15	24	36	56
8	<14	14	22	35	55
ALG I	<14	14	22	36	56

Technical Note: The values (cut scores) are represented here as raw scores (RS)



Impact Data: ELA

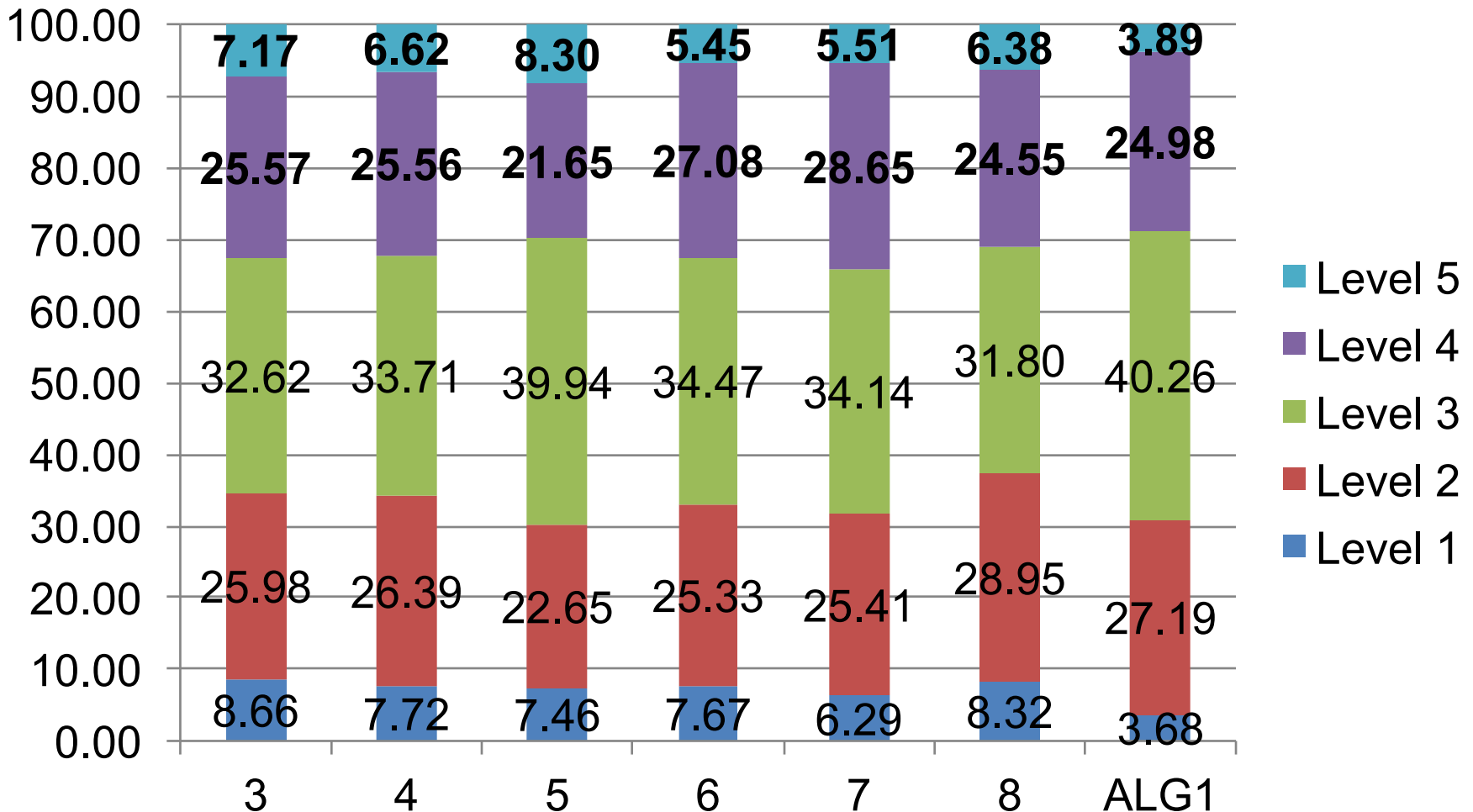
ELA/English2





Impact Data: Mathematics

Math/Algebra 1



ELA Scale Scores

Grade	Subject	PL1	PL2	PL3	PL4	PL5
3	ELA	<335 (18)	335 (18)	350 (27)	365 (36)	387 (47)
4	ELA	<429 (18)	429 (18)	450 (27)	465 (34)	488 (44)
5	ELA	<539 (24)	539 (24)	550 (32)	565 (42)	582 (50)
6	ELA	<636 (24)	636 (24)	650 (34)	665 (45)	679 (54)
7	ELA	<738 (22)	738 (22)	750 (32)	765 (46)	776 (55)
8	ELA	<842 (22)	842 (22)	850 (29)	865 (43)	880 (55)
ENG II	ELA	<1037 (21)	1037 (21)	1050 (29)	1065 (40)	1081 (52)

Math Scale Scores

Grade	Subject	PL1	PL2	PL3	PL4	PL5
3	MTH	<333 (18)	333 (18)	350 (31)	365 (42)	384 (51)
4	MTH	<436 (19)	436 (19)	450 (29)	465 (39)	484 (49)
5	MTH	<540 (13)	540 (13)	550 (20)	565 (33)	576 (44)
6	MTH	<636 (18)	636 (18)	650 (29)	665 (42)	687 (58)
7	MTH	<736 (15)	736 (15)	750 (24)	765 (36)	793 (56)
8	MTH	<838 (14)	838 (14)	850 (22)	865 (35)	889 (55)
ALG I	MTH	<1039 (14)	1039 (14)	1050 (22)	1065 (36)	1088 (56)

- ELA and Mathematics Grades 3-8 Blueprint & Interpretive Guide
- End-of-Course English II and Algebra I Blueprint & Interpretive Guide
- Writing Rubric & Interpretive Guide
- Practice “mini” tests developed and published each fall and winter.
- Full length practice tests released February 2017



School Improvement



Contact Information

Walt Drane, Ed.S., Executive Director
Assessment and Accountability
Division of Research and Development
601-359-3052
wdrane@mdek12.org