2022-2023 & Fall 2022 PEC & IEC Data

Board of Education Presentation November 2023

VITAL SIGNS

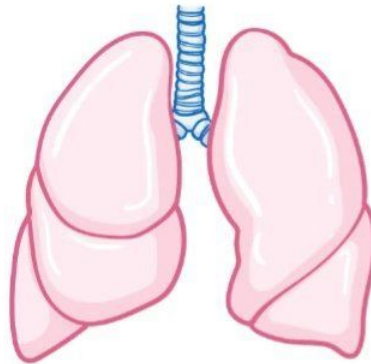## OBJECTIVE MEASUREMENTS of BODY'S ESSENTIAL FUNCTIONS

TEMPERATURE   PULSE   RESPIRATORY RATE   BLOOD PRESSURE   OXYGEN SATURATION

aimswebPlus

Background

What is aimswebPlus

aimswebPlus is a web-based solution for universal screening, progress monitoring, and data management for Grades K-12. aimswebPlus provides guidance to administrators and teachers based on accurate, continuous, and direct student assessment. aimswebPlus is a norm-referenced test.

Norm- vs. Criterion-Referenced

Norm-Referenced Test

Norm-referenced tests compare a student's performance against the performance of their peers.
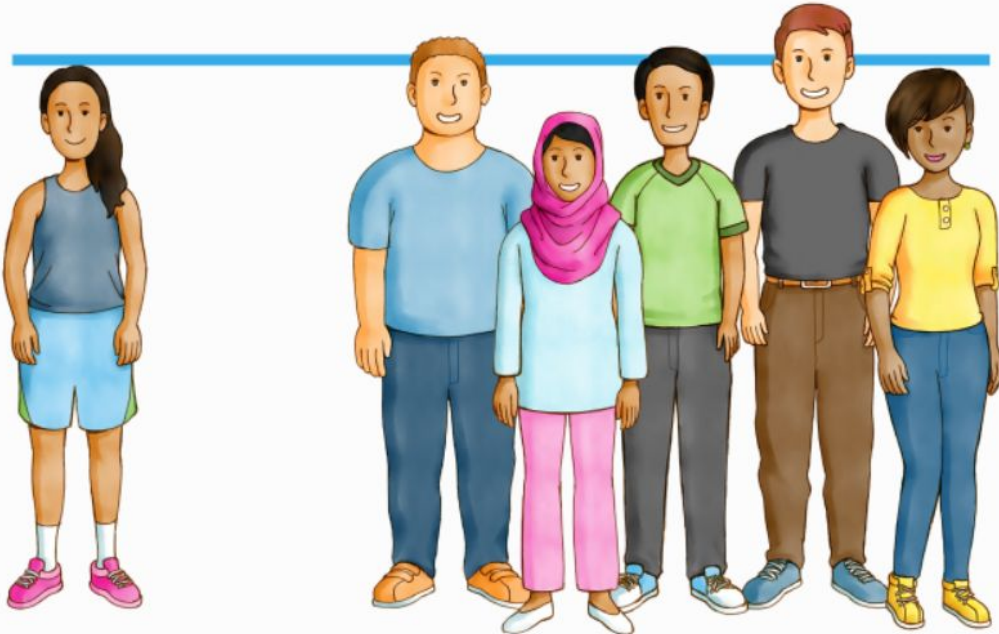
Criterion-Referenced Test

Criterion-referenced tests compare a student's knowledge and skills against a predetermined standard, cut score, or other criterion.

In criterion-referenced tests, the performance of other students does not affect a student's score.

Norm- vs. Criterion-Referenced

	Definition	Purpose	Content	Administration	Score Reporting	Score Interpretation
Norm-Referenced	Norm-Referenced tests measure the performance of one group of test takers against another group of test takers.	To measure how much a test taker knows compared to another student.	Norm-Referenced tests measure broad skill areas taken from a variety of textbooks and syllabi.	Norm-Referenced tests must be administered in a standardized format.	Norm-Referenced test scores are reported in a percentile rank.	In Norm-Referenced tests, if a test taker ranks 95%, it implies that he/she has performed better than 95% of the other test takers.
Criterion-References	Criterion-Reference tests measure the performance of test takers against the criteria covered in the curriculum.	To measure how much the test taker known before and after the instruction is finished.	Criterion-Reference tests measure the skills the test taker has acquired on finishing a curriculum.	Criterion-Reference tests need not be administered in a standardized format.	Criterion-Reference test scores are reported in categories or percentage.	In Criterion-Reference, the score determines how much of the curriculum is understood by the test taker.

The Power of Curriculum Based Measures

Educators and researchers across the country will tell you CBM is their assessment of choice for progress monitoring and Response to Intervention because this method of general outcome measurement is:

- **Brief**: Can be administered frequently without disrupting instruction
- **Predictive**: Provides accurate predictions of reading and math achievement
- **Sensitive to improvement**: An increase in ability will be reflected in rising scores on the measure
- **Easy to administer and score**: Can be used accurately by a wide range of education personnel
- **A valid measure** of skills that are central to the domain being measured (reading, math, language arts)
- **Standardized and reliable**: Producing consistent results across time or testing conditions
- **Available in multiple equivalent forms** to reduce practice effects on retesting

aimswebPlus

2022-2023

2023 Growth from Fall (F) 2022 to Spring (S) 2023

	Reading				Math			
	Fall (F) 22	Winter 23	Spring (S) 23	F to S Change	Fall (F) 22	Winter 23	Spring (S) 23	Fall (F) 22
K	66%	73%	65%	-1%age	73%	80%	71%	-2%age
1	47%	66%	72%	+23%age	61%	79%	74%	+13%age
2	77%	86%	85%	+8%age	62%	79%	84%	+22%age
3	85%	91%	89%	+4%age	72%	80%	83%	+11%age
4	88%	88%	89%	+1%age	81%	88%	90%	+9%age
5	87%	88%	86%	-1%age	87%	89%	91%	+4%age

KEY

Green Cells=Within the theoretical range for RTI Tier 1

Red Cells=Below the theoretical range for RTI Tier 1

Green Numbers= Positive Growth

Red Numbers= Negative Growth

aimswebPlus

Fall 2023

Who Needs Only Tier 1 in Fall 2023?

Benefit from intensive, individualized supports — 1 to 7 percent — **Few**

Benefit from targeted supports — 5 to 15 percent — **Some**

Benefit from universal system of school-wide supports — 80 to 85 percent — **All**

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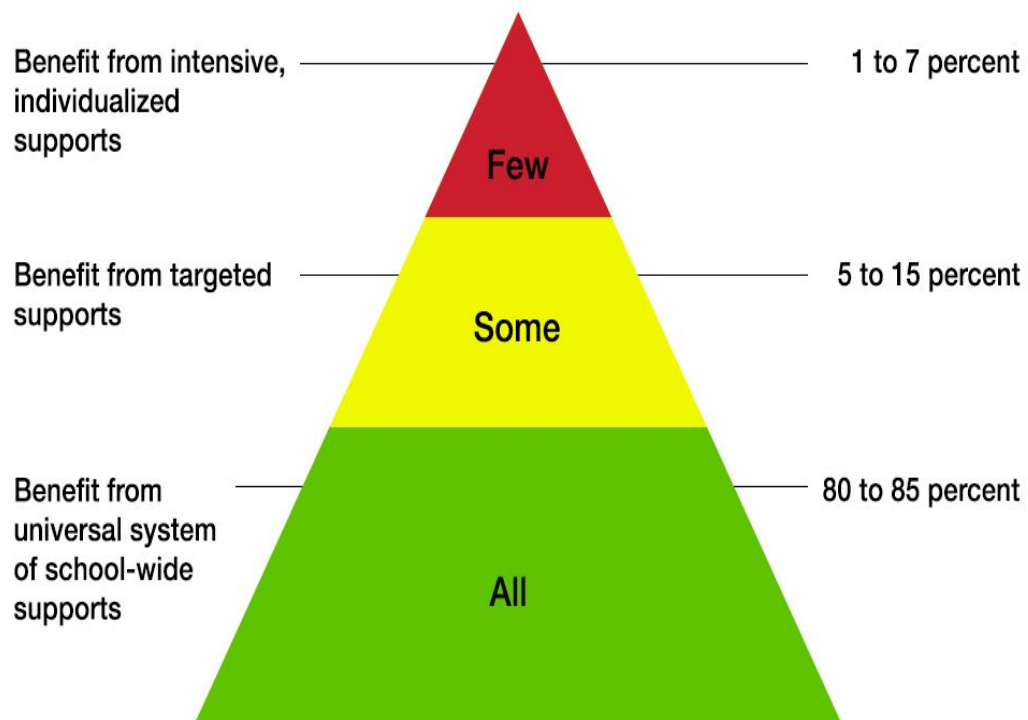
	Reading	Math
K	73%	72%
1	54%	60%
2	73%	69%
3	78%	74%
4	85%	84%
5	88%	87%

Green Cells=Within the theoretical range for RTI Tier 1
Red Cells=Below the theoretical range for RTI Tier 1

General Education Students Compared to SWDs Needing Only Tier 1

Reading				
	GEN ED		SWDs	
	# of Students	% of Total Ss	# of Students	% of Total Ss
K	82/108	76%	4/10	40%
1	65/114	57%	3/11	27%
2	99/133	74%	9/15	60%
3	100/120	83%	3/12	25%
4	100/109	92%	4/13	31%
5	100/103	97%	11/23	48%

KEY

Green Cells=Within the theoretical range for RTI Tier 1
Red Cells=Below the theoretical range for RTI Tier 1

General Education Students Compared to SWDs Needing Only Than Tier 1

Math				
	GEN ED		**SWDs**	
	# of Students	**% of Total Ss**	**# of Students**	**% of Total Ss**
K	84/108	78%	1/10	10%
1	71/113	63%	4/11	36%
2	94/133	71%	8/15	53%
3	95/118	81%	4/15	27%
4	98/109	90%	5/14	36%
5	96/103	93%	13/23	57%

Gen Ed Students Who Need Only Tier 1 in Fall 2023?

	Reading		Math	
	Gen Ed Only	**All Students**	**Gen Ed Only**	**All Students**
K	76%	73%	78%	72%
1	57%	54%	63%	60%
2	74%	73%	71%	69%
3	83%	78%	81%	74%
4	92%	85%	90%	84%
5	97%	88%	93%	87%

Green Cells=Within the theoretical range for RTI Tier 1   **Red Cells**=Below the theoretical range for RTI Tier 1

Fall to Fall Reading Side-By-Side Comparison

	Needing Tier 1 Only					
	Fall 19/20	**Fall 20/21**	**Fall 21/22**	**Fall 22/23**	**Fall 23/24**	**2-Year Difference**
K	72%	53%	54%	66%	73%	**+7**
1	66%	47%	43%	47%	54%	**+7**
2	96%	76%	74%	77%	73%	**-4**
PEC 3	83%	82%	87%	-	-	-
3	78%	79%	83%	85%	78%	**-7**
4	86%	84%	87%	88%	85%	**-3**
5	88%	94%	90%	87%	88%	**+1**

KEY

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Red Numbers= Negative Growth

Fall to Fall Math Side-By-Side Comparison

	Needing Tier 1 Only					2-Year Difference
	Fall 19/20	Fall 20/21	Fall 21/22	Fall 22/23	Fall 23/24	
K (NNF)	76%	57%	59%	73%	72%	-1
1	74%	51%	60%	61%	60%	-1
2	76%	71%	78%	62%	69%	+7
PEC 3	87%	55%	87%	-	-	-
3	78%	72%	80%	72%	74%	+2
4	82%	77%	75%	81%	84%	+3
5	81%	84%	78%	87%	87%	0

KEY

Green Cells=Within the theoretical range for RTI Tier 1
Red Cells=Below the theoretical range for RTI Tier 1

Green Numbers= Positive Growth
Red Numbers= Negative Growth

School Pace

2022-2023

22/23 Data Wall Growth

Grade	Date	Students	N/A	RTM	1Y	2Y	3Y	1G	2G	1B	2B	1R	2R	Wt	Bk	Or	Pu	1Br	2Br	Si	Gl	Emergency		At-Risk		Proficient or Above	
K	Oct 1, 2022 2022 / 2023	112	20		49	22	12	1	2													6	5.4%	49	43.8%	37	33.0%
K	Jun 21, 2023 2022 / 2023	117				4	13	26	46	23	3	1										18	15.4%	26	22.2%	73	62.4%
1st	Oct 1, 2022 2022 / 2023	135	26		9	6	14	30	32	8	4	5										60	44.4%	32	23.7%	17	12.6%
1st	Jun 21, 2023 2022 / 2023	138				1		8	18	15	48	32	14	2								27	19.6%	15	10.9%	96	69.6%
2nd	Oct 1, 2022 2022 / 2023	129	14		1		2	6	12	25	35	25	8	1								21	16.3%	60	46.5%	34	26.4%
2nd	Jun 21, 2023 2022 / 2023	130					1	2	2	2	9	21	39	45	9							16	12.3%	21	16.2%	93	71.5%
3rd	Oct 1, 2022 2022 / 2023	117	54				2	1	2	2	6	14	13	20	3							13	11.1%	27	23.1%	23	19.7%
3rd	Jun 21, 2023 2022 / 2023	117						2	2	1	5	11	58	31	7							10	8.5%	11	9.4%	96	82.1%
4th	Oct 1, 2022 2022 / 2023	120	16					1	1	1	6	1	11	60	20	3						10	8.3%	71	59.2%	23	19.2%
4th	Jun 21, 2023 2022 / 2023	120							1	1	1	7	10	56	44							10	8.3%	10	8.3%	100	83.3%
5th	Oct 1, 2022 2022 / 2023	141	34					1		1	2	2	9	27	36	28	1					15	10.6%	63	44.7%	29	20.6%
5th	Jun 21, 2023 2022 / 2023	142							1			2	20	32	57	28	2					23	16.2%	32	22.5%	87	61.3%
Total	Oct 1, 2022 2022 / 2023	754	164		59	28	30	40	49	37	53	47	41	108	59	31	1					125	16.6%	302	40.1%	163	21.6%
Total	Jun 21, 2023 2022 / 2023	764				5	14	36	68	44	62	60	73	135	128	108	28	2				104	13.6%	115	15.1%	545	71.3%

Summary of 22/23 Data Wall

- We had the highest number of emergency students (two or more years below level) in first grade (27 students). Fifth grade has the second highest number of emergency students (23 students) and this has remained the same since the Data Wall was last shared.

- Fourth grade had the highest number of proficient or above students (100). However, please note that first and third grades both have 96 students in the proficient or above column, which is the second highest number of students in that column by grade.

- Third and fourth grades had the fewest number of emergency students (10 students). The next closest grade is second grade with 16 students at the emergency level.

- In total, we decreased the number of students at the emergency level by 3 percentage points (21 students), decreased the number of students at the at-risk level by 25 percentage points (187 students), and increased the number of students at the proficient or above level by 49.7 percentage points (382 students).

- **By the end of the year, 71.3% of all students were reading at a proficient level or above.**

School Pace

2023-2024

October 7, 2023 Data Wall

Visibility	Grade	Date	Students	N/A	RTM	1Y	2Y	3Y	1G	2G	1B	2B	1R	2R	Wt	Bk	Or	Pu	1Br	2Br	Si	Gl	Emergency		At-Risk		Proficient or Above	
👁	K	Oct 7, 2023 2023 / 2024	117	8	13	52	35	15	4	1	2															52	44.4%	57	48.7%
👁	1st	Oct 7, 2023 2023 / 2024	123	5		7	3	10	27	36	26	6	3										47	38.2%	36	29.3%	35	28.5%
👁	2nd	Oct 7, 2023 2023 / 2024	148	16					9	17	24	36	24	18	4								26	17.6%	60	40.5%	46	31.1%
👁	3rd	Oct 7, 2023 2023 / 2024	133	21		1			3	2	4	4	18	25	47	8							14	10.5%	43	32.3%	55	41.4%
👁	4th	Oct 7, 2023 2023 / 2024	122							2	2	1	5	12	48	48	4						10	8.2%	60	49.2%	52	42.6%
👁	5th	Oct 7, 2023 2023 / 2024	126	5							1	1	3	4	15	60	34	3					9	7.1%	75	59.5%	37	29.4%
	Total	Oct 7, 2023 2023 / 2024	769	55	13	60	38	25	43	58	59	48	53	59	114	116	38	3					106	13.8%	326	42.4%	282	36.7%

November 1, 2023 Data Wall

Grade	Date	Students	N/A	RTM	1Y	2Y	3Y	1G	2G	1B	2B	1R	2R	Wt	Bk	Or	Pu	1Br	2Br	Si	Gl	Emergency		At-Risk		Proficient or Above	
K	Nov 1, 2023 / 2023 / 2024	117		10	38	36	25	15	1	2															38	32.5%	79	67.5%
1st	Nov 1, 2023 / 2023 / 2024	123		1	5	6	11	27	32	33	6	2	1									49	39.8%	32	26.0%	42	34.1%
2nd	Nov 1, 2023 / 2023 / 2024	148	1		1			9	13	27	37	36	20	4								23	15.5%	64	43.2%	60	40.5%
3rd	Nov 1, 2023 / 2023 / 2024	132	7			1		4	1	5	3	19	29	56	7							14	10.6%	48	36.4%	63	47.7%
4th	Nov 1, 2023 / 2023 / 2024	123	1						2	2	1	2	11	52	48	4						7	5.7%	63	51.2%	52	42.3%
5th	Nov 1, 2023 / 2023 / 2024	126								1	1	2	5	14	59	41	3					9	7.1%	73	57.9%	44	34.9%
Total	Nov 1, 2023 / 2023 / 2024	769	9	11	44	43	36	55	49	70	48	61	66	126	114	45	3					102	13.3%	318	41.4%	340	44.2%

November 27, 2023 Data Wall

Visibility	Grade	Date	Students	N/A	RTM	1Y	2Y	3Y	1G	2G	1B	2B	1R	2R	Wt	Bk	Or	Pu	1Br	2Br	Si	Gl	Emergency		At-Risk		Proficient or Above	
👁	K	Nov 27, 2023 2023 / 2024	117		10	19	25	51	19	1	2												19	16.2%	25	21.4%	73	62.4%
👁	1st	Nov 27, 2023 2023 / 2024	122		1	4	3	6	19	27	32	21	9	1									32	26.2%	27	22.1%	63	51.6%
👁	2nd	Nov 27, 2023 2023 / 2024	149	1		1			4	14	27	34	43	19	5	1							19	12.8%	61	40.9%	68	45.6%
👁	3rd	Nov 27, 2023 2023 / 2024	132				1		4	1	2	3	8	41	65	7							11	8.3%	49	37.1%	72	54.5%
👁	4th	Nov 27, 2023 2023 / 2024	124	2						2	2	1	2	11	51	49	4						7	5.6%	62	50.0%	53	42.7%
👁	5th	Nov 27, 2023 2023 / 2024	126									2		5	16	58	42	3					7	5.6%	74	58.7%	45	35.7%
	Total	Nov 27, 2023 2023 / 2024	770	3	11	24	29	57	46	45	65	61	62	77	137	115	46	3					95	12.3%	298	38.7%	374	48.6%

New York State

Assessment Data

Student Refusal Data

	Grade 3		Grade 4		Grade 5	
	ELA	Math	ELA	Math	ELA	Math
2014	5%	4%	2%	3%	4%	5%
2015	9%	12%	17%	19%	14%	18%
2016	8%	8%	10%	15%	30%	31%
2017	3%	1%	10%	11%	13%	18%
2018	4%	6%	7%	8%	17%	18%
2019	6%	7%	5%	7%	3%	3%
2020 + 2021						
2022	7%	9%	9%	13%	4%	8%
2023	4%	4%	14%	15%	11%	16%

Comparison ELA Data

2023 Proficiency Rates	Lew-Port	
	% of Tested	**% of Eligible**
Grade 3	55% (62/113)	51% (62/121)
Grade 4	66% (71/108)	55% (71/128)
Grade 5	55% (71/129)	48% (71/147)

Historical IEC ELA Results

IEC ELA Performance

Legend: ● ELA 3 ● ELA 4 ● ELA 5
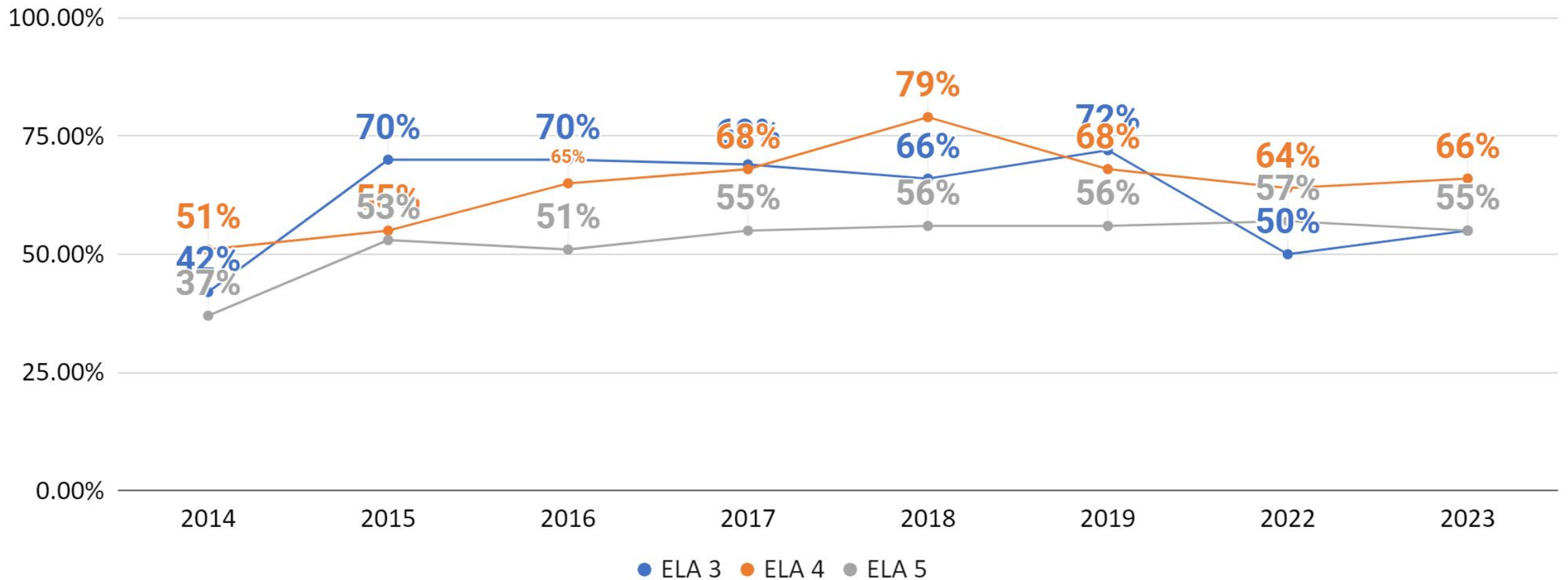
IEC School ELA Cohort Data

	Grade 3	Grade 4	Grade 5
2014	42%	51%	37%
2015	70%	55%	53%
2016	70%	65%	51%
2017	69%	68%	55%
2018	66%	79%	56%
2019	72%	68%	56%
2020 + 2021			
2022	50%	64%	57%
2023	55%	66%	55%

Comparison Math Data

2023 Proficiency Rates	Lew-Port	
	% of Tested	**% of Eligible**
Grade 3	67% (76/113)	63% (76/121)
Grade 4	78% (83/106)	65% (83/128)
Grade 5	65% (89/122)	54% (89/147)

Historical IEC Math Results
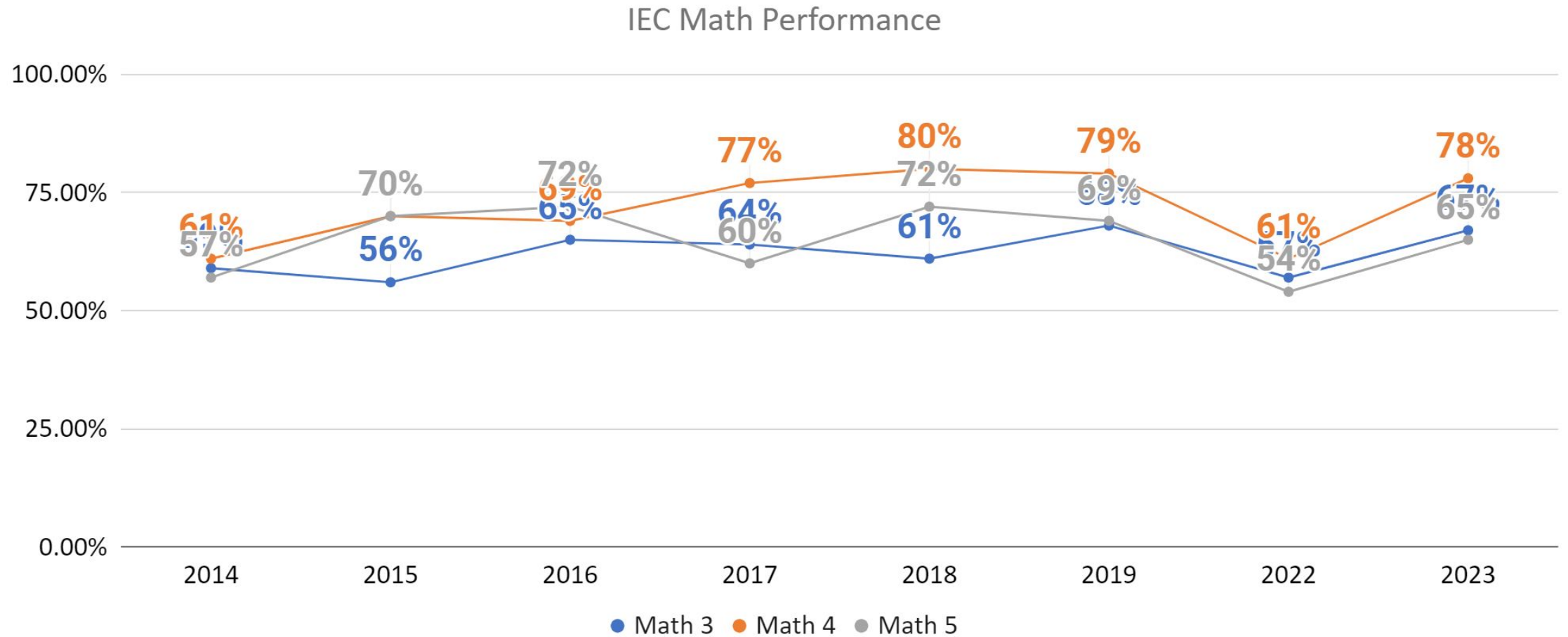
IEC Math Cohort Data

	Grade 3	Grade 4	Grade 5
2014	59%	61%	57%
2015	56%	70%	70%
2016	65%	69%	72%
2017	64%	77%	60%
2018	61%	80%	72%
2019	68%	79%	69%
2020 + 2021			
2022	57%	61%	54%
2023	67%	78%	65%

More

Than the Numbers

PEC Program Highlights

★ **It is the Year of Social Studies- Review work in progress with Amy Townsend from BOCES**

★ Year 2 IntoMath Implementation w/ a focus on Assessment Planning at ERDs & exploring Into Math online growth measures for data

★ **Year 3 Amplify Science Implementation with STEAM extensions and Newly created assessments (summer curriculum work)**

★ IRLA & Units of Study Professional Development to support New Teachers with Personalized Literacy and School Pace

★ **ELA Pilots- MyView & Wonders in progress ~monthly PD with each program rep, Check - In Dr. Lyon**

★ DAILY WINN Block continues to support Core plus more- interventions and enrichment

★ **Covey Institute Coaching to Support Lighthouse Vision**

    ○ *Classroom Mission Statements & Student Led Assemblies*

IEC Program Highlights

★ **Daily DEAL-Drop Everything and Lead (30 min): Direct Instruction-Mental Health, SEL, Health and Wellness, RP, LIM**

★ RTI Process: 25% Tier 2 and 3 Math and Reading interventions

  ○ IEC Reading Students Fall 2023-Grand Total -65 Reading Intervention Students

    ■ Grade 3- 34 Total, Grade 4- 22 Total, Grade 5- 9 Total

  ○ Math Students Fall 2023- Total- 79 students, 29 were carryovers and 50 new students

★ **Enrichment for students scoring 90% or higher on ELA and Math AIMSWeb Plus**

★ Year 3 Elevate Science Implementation and NYS investigations

★ **Daily WINN Time-30 minutes**

★ ELA pilots in progress

★ **Year 5, IRLA implementation**

★ Building WIG, classroom WIG-portfolio with individual goals

★ **Student Lead Assemblies- three times a year**

QUESTIONS
FEEDBACK