



# **PROGRAMMING AND DATA REVIEW**

## **AT A 10,000 FT VIEW**

**Budget Advisory Committee  
Presentation  
February 15, 2024**





# **BONNY EAGLE ELEMENTARY SCHOOLS**

# The Many Strands that are Woven Into Skilled Reading

Language Comprehension

Background Knowledge

Vocabulary

Language Structures

Verbal Reasoning

Literacy Knowledge

Word Recognition

Phonological Awareness

Decoding

Sight Recognition

Increasingly Strategic

Increasingly Automatic

Skilled Reading

Scarborough's Reading Rope, 2001

Context & Meaning Processors  
Helps you figure out a word's intended meaning.

Phonics  
Helps you associate sounds with symbols (i.e. letters)  
Angular Gyrus

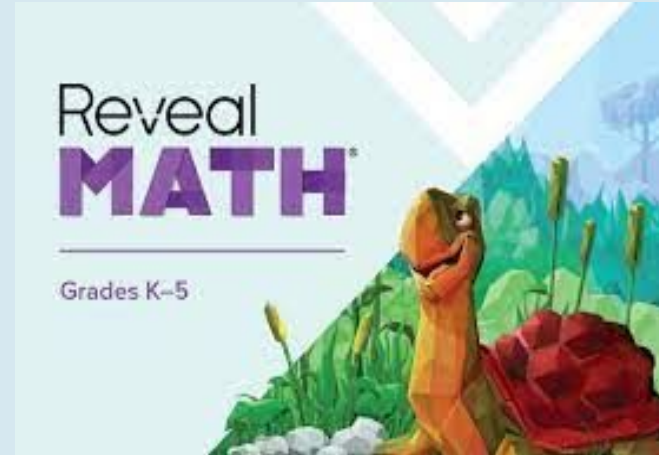
Phonological Processor  
Helps you understand and produce oral language.

Orthographic Processor  
Helps you connect words to their visual forms.

# MATH INSTRUCTION PK-5

## THE REVEAL MATH PROGRAM

- Math Mindset
- Equitable Classrooms
- Metacognition
- Sense-Making
- Rich Mathematical Discourse
- Productive Struggle
- Fluency
- Instructional Routines
- STEM Applications



# WHAT IS MTSS?



**A MULTI-TIERED SYSTEM OF SUPPORTS (MTSS) IS A DATA-DRIVEN, PROBLEM-SOLVING FRAMEWORK TO IMPROVE OUTCOMES FOR ALL STUDENTS. MTSS RELIES ON A CONTINUUM OF EVIDENCE-BASED PRACTICES MATCHED TO STUDENT NEEDS.**



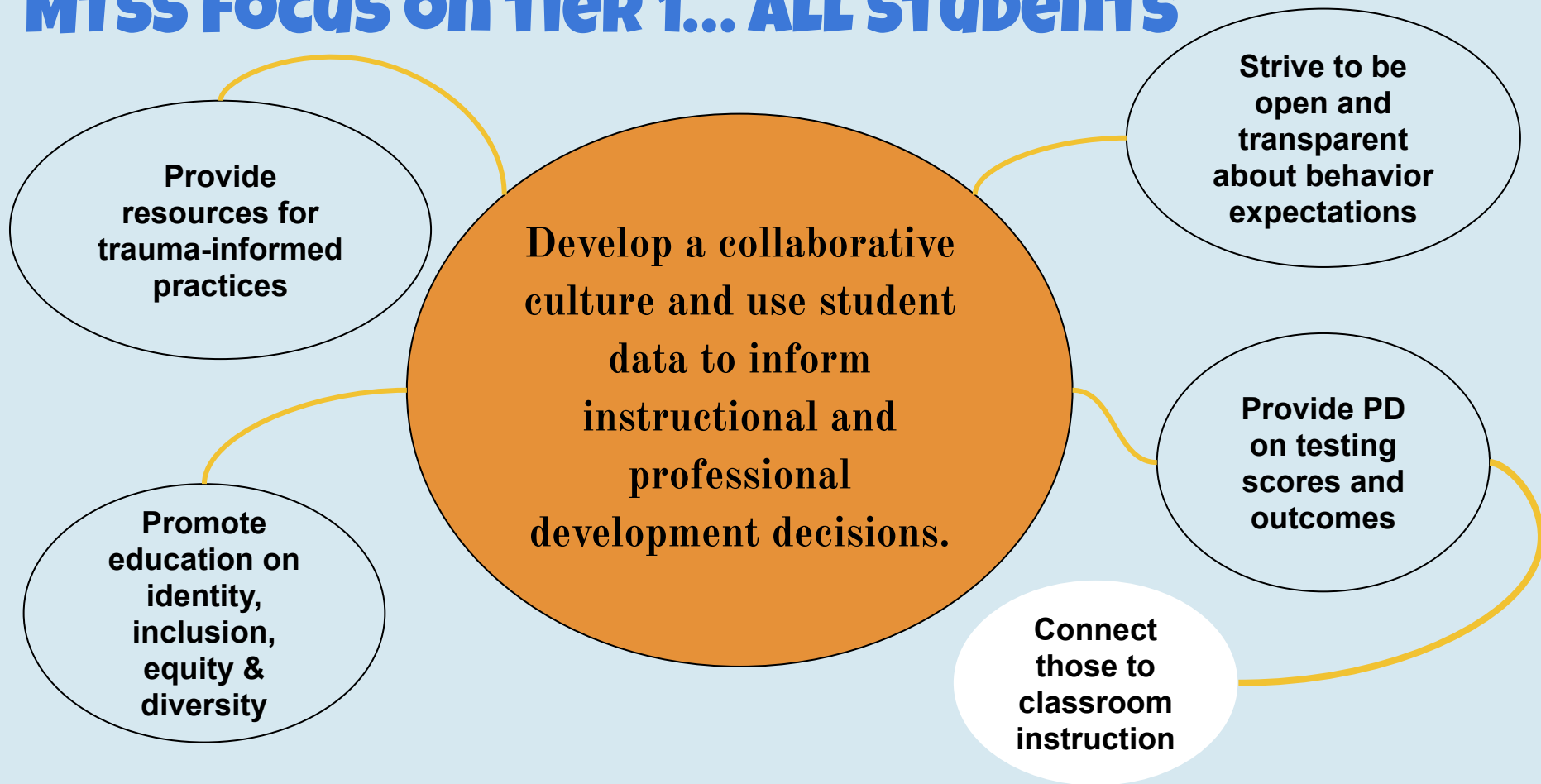
**SCHOOLS APPLY THIS MODEL AS A WAY TO ALIGN ACADEMIC, BEHAVIORAL, SOCIAL AND EMOTIONAL SUPPORTS TO IMPROVE EDUCATION FOR ALL STUDENTS.**



**IT'S IMPORTANT TO REMEMBER THESE TIERS REFER TO LEVELS OF SUPPORT STUDENTS RECEIVE, NOT TO STUDENTS THEMSELVES.**

**FOR EXAMPLE, STUDENTS RECEIVE TIER II SUPPORTS, THEY ARE NOT TIER II STUDENTS.**

# MTSS FOCUS on TIER 1... ALL STUDENTS



# WHAT KINDS OF DATA IS COLLECTED?

## LITERACY

### Kindergarten:

Letter ID (upper/lower case)

Letter sounds

Letter sound fluency

High Frequency

Words

Words Their Way

Fountas & Pennell

NWEA Reading

### Grade 1:

High Frequency

Words

Words Their Way

Fountas & Pennell

NWEA Reading

### Grades 2-5:

Words Their Way

Fountas & Pennell

NWEA Reading

## MATH

### Kindergarten:

Number ID

Oral Counting

Quantity

Discrimination

Missing Number

NWEA Math

### Grade 1:

Number ID

Oral Counting

Quantity

Discrimination

Missing Number

NWEA Math

### Grades 2-5:

NWEA Math

# SAMPLE DATA WALL COLOR GUIDE

Grade 1	Data Wall Color Guide														
	Fall					Winter					Spring				
	Well Above	High Average	Average	Low Average	Far Below	Well Above	High Average	Average	Low Average	Far Below	Well Above	High Average	Average	Low Average	Far Below
F&P	>=K	G-J	F	E	<=D	>=K	I-J	H	G	<=F	>=M	K-L	J	H-I	<=G
High Frequency Words	>=251	176-250	151-175	76-150	<=75	>=276	226-275	176-225	101-175	<=100		276-300	226-275	151-225	<=150
NWEA - Reading	>=168	160-167	154-159	146-153	<=145	>=178	170-177	164-169	156-163	<=155	>=184	176-183	169-175	160-168	<=159
NWEA - Math	>=172	164-171	157-163	151-156	<=150	>=182	174-181	168-173	161-167	<=160	>=188	181-187	174-180	166-173	<=165
Number ID	>=56	48-55	39-47	27-38	<=26	>=75	66-74	57-65	48-56	<=47	>=79	70-78	62-69	54-61	<=53
Oral Counting	>=88	77-87	68-76	57-67	<=56	>=100	90-99	81-89	70-80	<=69		>=100	90-99	79-89	<=78
Quantity Discrimination	>=30	24-29	20-23	12-19	<=11	>=39	34-38	30-33	24-29	<=23	>=40	39	34-38	29-33	<=28
Missing Number	>=17	13-16	10-12	7-9	<=6	>=24	20-23	17-19	13-16	<=12	>=26	22-25	19-21	15-18	<=14
NWEA Percentiles	81+	61-80	41-60	21-40	0-20	81+	61-80	41-60	21-40	0-20	81+	61-80	41-60	21-40	0-20

**Note NWEA Percentiles**





# 2022-2023 BE ELEMENTARY SCHOOLS

## LONGITUDINAL LITERACY DATA (F&P)

	Reading Proficiency (% of students meeting/exceeding benchmark)						
	16-17 Spring	17-18 Spring	18-19 Spring	19-20 Winter*	20-21 Spring	21-22 Spring	22-23 Spring
Grade K	84	85	87	91	56	50	64
Grade 1	79	71	62	60	35	57	54
Grade 2	78	78	78	75	45	64	70
Grade 3	60	67	77	75	47	66	68
Grade 4	66	58	77	73	50	62	59
Grade 5	74	56	76	77	66	70	62

# 2022-2023 BE Elementary Schools Longitudinal Literacy Data (NWEA)

	Reading Growth (% of students meeting/exceeding growth targets)											
	16-17	17-18	18-19 F to W	18-19 W to S	19-20 F to W	19-20 W to S	20-21 F to W	20-21 W to S	21-22 F to W	21-22 W to S	22-23 F to W	22-23 W to S
Grade K	80	91	75	71	58	--	43	61		73	70	44
Grade 1	83	87	73	75	67	--	54	73	64	78	71	59
Grade 2	49	80	87	75	74	--	73	67	74	70	64	73
Grade 3	64	77	82	81	78	--	74	78	66	84	79	80
Grade 4	67	81	83	79	72	--	70	74	74	73	74	83
Grade 5	83	88	76	82	83	--	80	84	81	79	67	70

# 2022-2023 BE ELEMENTARY SCHOOLS

## MATH NWEA DATA

Grade	Spring NWEA Proficiency (%)	Growth Goal Met (%)
K	81	N/A
1	69	56
2	60	40
3	53	35
4	41	29
5	45	39

# MATH GRADES 2 AND 5 LONGITUDINAL ACHIEVEMENT

		Math Proficiency (% of students meeting/exceeding benchmark) NWEA						
		16-17 Spring	17-18 Spring	18-19 Spring	19-20 Winter	20-21 Spring	21-22 Spring	22-23 Spring
Grade 2	A	78	74	69	66	49	46	64
	B	66	69	82	76	54	76	66
	C	82	84	72	79	58	89	50
	D	79	48	64	75	46	53	45
	E	68	100	76	66	73	91	81
Grade 5	F	63	46	47	50	51	34	55
	G	50	29	63	NA	42	49	35
	H	53	46	46	NA	41	41	51
	I	77	44	48	NA	41	39	36

# MATH: GRADES 2 AND 5 LONGITUDINAL GROWTH

		Math Growth (% of students meeting/exceeding growth targets)					
		17-18	18-19	19-20	20-21	21-22	22-23
Grade 2	A	64	35	NA	NA	31	32
	B	59	42	NA	NA	31	61
	C	69	81	NA	NA	62	48
	D	37	47	NA	NA	10	17
	E	76	8	NA	NA	46	46
Grade 5	F	53	20	NA	33	26	51
	G		-	-	-	39	19
	H	23	22	NA	28	40	59
	I	40	29	NA	26	35	31

The image features a minimalist, stylized landscape. The background is a solid light blue sky. Three white, fluffy clouds are scattered across the sky: one on the left, one in the upper center, and one on the right. The foreground consists of rolling green hills with varying shades of green, creating a sense of depth. A solid brown horizontal band at the very bottom represents the ground.

**BEMS**

# THE BARR PROGRAM

## BUILDING ASSETS REDUCING RISKS

- Focus on the whole student.
- Provide professional development for teachers, counselors, and administrators.
- Use BARR resources to foster a climate for learning and relationship building.
- Create cohorts to cultivate connections.
- Hold regular meetings of the cohort teacher teams to discuss each student.
- Conduct Community Connect meetings that engage the community
- Engage families
- Engage administrators

# BEMS READING ACHIEVEMENT 2023 (NWEA)

School Profile

## Achievement by Grade

Bonny Eagle Middle School | Reading

Grade ↑	Achievement Spring 2022-2023 Median and Distribution	Sort by -- select an option --	Number of Students
Grade 6	<div><div>35th</div><div><div>33%</div><div>25%</div><div>25%</div><div>13%</div><div>4%</div></div></div>		218
Grade 7	<div><div>44th</div><div><div>24%</div><div>21%</div><div>28%</div><div>18%</div><div>9%</div></div></div>		222
Grade 8	<div><div>49th</div><div><div>17%</div><div>21%</div><div>31%</div><div>19%</div><div>12%</div></div></div>		244

Percentiles Key ● 1st - 20<sup>th</sup> ● 21st - 40<sup>th</sup> ● 41st - 60<sup>th</sup> ● 61st - 80<sup>th</sup> ● >80<sup>th</sup>

Rostered Spring 2022-2023  
Tested Spring 2022-2023

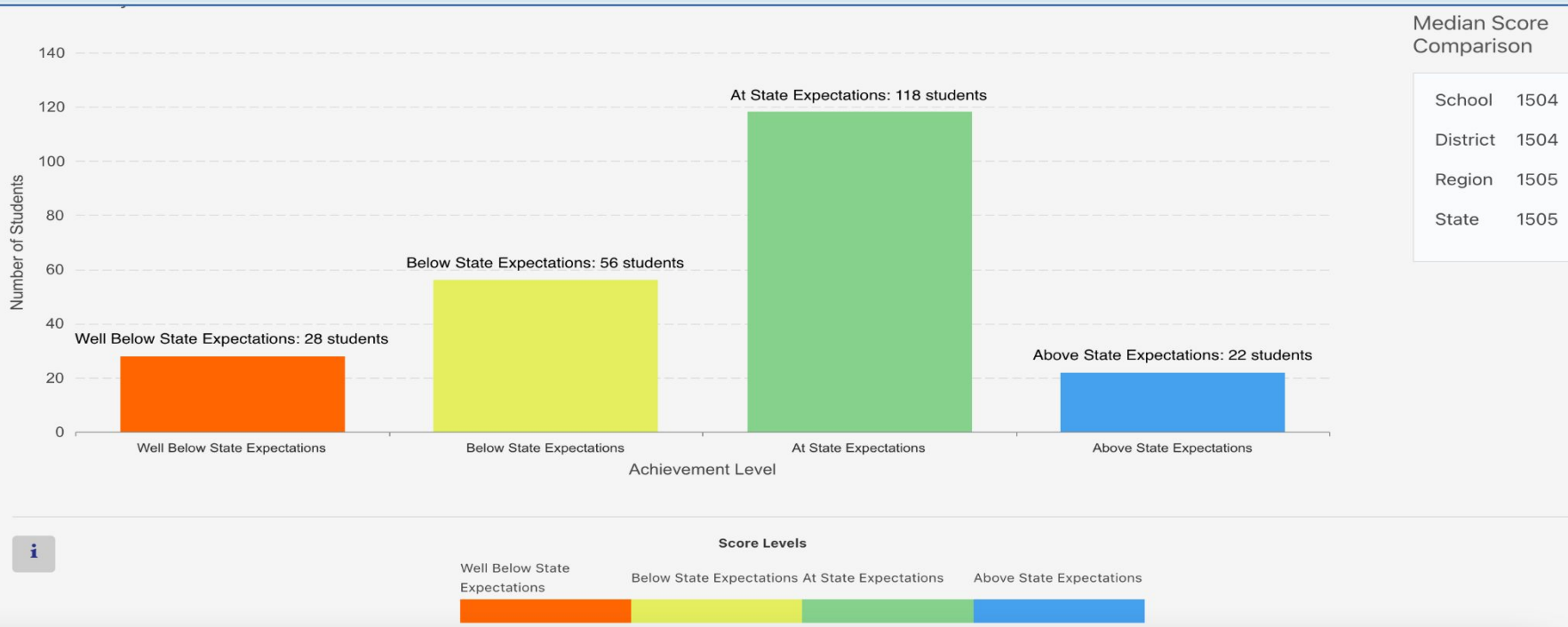
[More information about this chart](#) ▼



# BEMS MATH ACHIEVEMENT 2023 (NWEA)

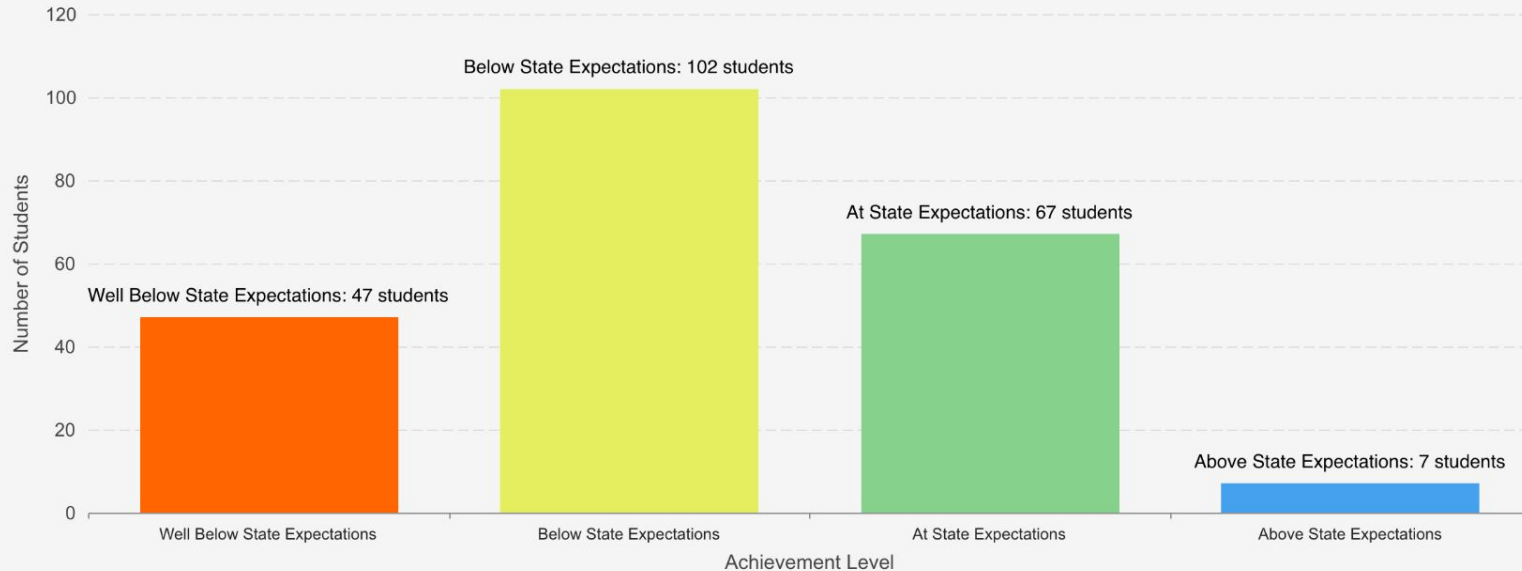
School Profile						
Achievement by Grade						
Bonny Eagle Middle School   Math K-12						
Grade ↑	Achievement Spring 2022-2023 Median and Distribution				Sort by -- select an option --	Number of Students
Grade 6	20th	51% 24% 17% 5% 3%				217
Grade 7	33rd	31% 26% 30% 9% 4%				222
Grade 8	42nd	18% 30% 34% 13% 5%				244
Percentiles Key 1st - 20th 21st - 40th 41st - 60th 61st - 80th >80th						
Rostered Spring 2022-2023 Tested Spring 2022-2023						

# MAINE THROUGH YEAR ASSESSMENT



# MAINE THROUGH YEAR ASSESSMENT

Students by Score Level



Median Score Comparison

School	1493
District	1493
Region	1497
State	1497

**Grade 7 Snapshot: Math**

**TARGET SCORE =1500**

The image features a minimalist, stylized landscape. The foreground is composed of rolling green hills with varying shades of green, set against a solid light blue sky. Three white, fluffy clouds are scattered across the sky. The text 'BEHS' is centered in the middle of the image in a bold, blue, sans-serif font.



**BEHS**

# BEHS READING ACHIEVEMENT 2023 (NWEA)

School Profile

## Achievement by Grade

Bonny Eagle High School | Reading

Grade ↑	Achievement Spring 2022-2023 Median and Distribution	Sort by -- select an option --	Number of Students
Grade 9			244
Grade 10			208

Percentiles Key ● 1st - 20<sup>th</sup> ● 21st - 40<sup>th</sup> ● 41st - 60<sup>th</sup> ● 61st - 80<sup>th</sup> ● >80<sup>th</sup>

Rostered Spring 2022-2023

Tested Spring 2022-2023

[More information about this chart](#) ▾

# BEHS MATH Achievement 2023 (NWEA)

School Profile

## Achievement by Grade

Bonny Eagle High School | Math K-12

Grade ↑	Achievement Spring 2022-2023 Median and Distribution	Sort by -- select an option --	Number of Students
Grade 9	<div><div>46th</div><div><div>16%</div><div>23%</div><div>31%</div><div>21%</div><div>9%</div></div></div>		239
Grade 10	<div><div>36th</div><div><div>15%</div><div>46%</div><div>28%</div><div>9%</div><div>2%</div></div></div>		215

Percentiles Key 

1st - 20<sup>th</sup>

21st - 40<sup>th</sup>

41st - 60<sup>th</sup>

61st - 80<sup>th</sup>

>80<sup>th</sup>

Rostered Spring 2022-2023  
Tested Spring 2022-2023

# HIGH SCHOOL THROUGH YEAR - READING (GR 10)

Find

Students by Score Level



Median Score Comparison

School	1497
District	1497
Region	1505
State	1505

TARGET SCORE =1500

# HIGH SCHOOL THROUGH YEAR MATH (GR 10)

Find

Students by Score Level



Median Score Comparison

School	1495
District	1495
Region	1498
State	1498

TARGET SCORE =1500



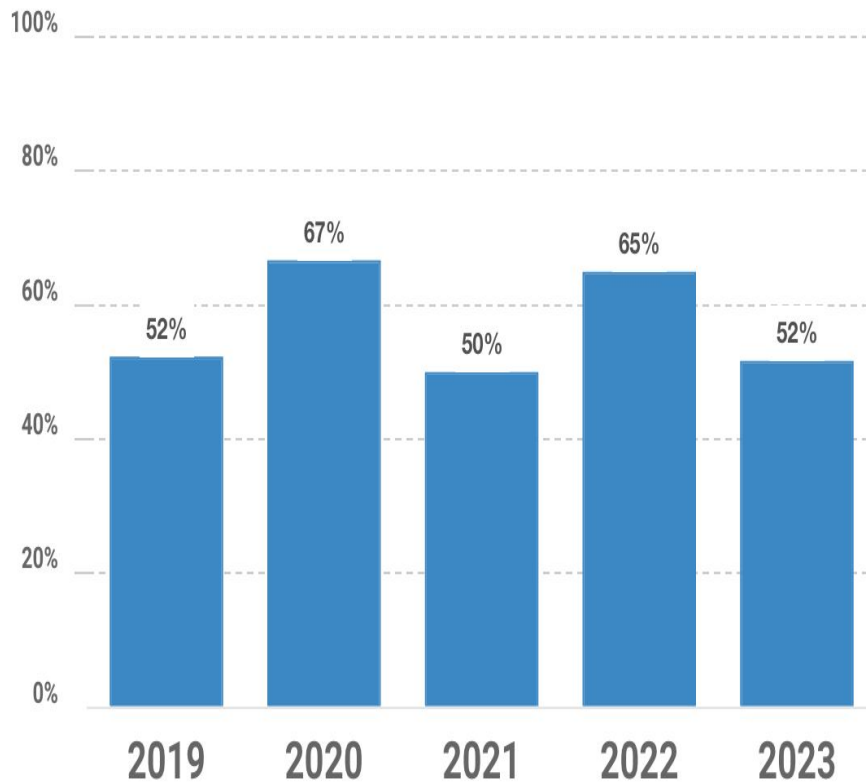
# ADVANCED PLACEMENT PROGRAM AT BEHS

## Participation

- 13 AP Courses Offered 2022-2023
- Total Students Taking Exams - 91
- Total Exams - 127 (136 with Calculus second portion) This is only 13% of our student body
- Percent at 3 or higher - 52%
- In 2023, 100% of our AP English Literature students scored 3 or higher



% OF TOTAL AP STUDENTS WITH SCORES 3+



## **PATHWAYS AT BEHS (CURRENT)**

**The Learning Center: 56**

**CTE:**

**WRVC-76**

**PATHS-25**

**Early College: 61 Students took 94 courses in the fall semester**

# GRADUATION DATA

Year	BEHS 4 Year Graduation Rate	State Average
2018	85.09	87.31
2019	83.76	87.90
2020	81.36	87.40
2021	81.60	86.07
2022	81.91	86.14
2023	83.74	87.30

## WHERE DO THEY GO? (ESTIMATED)

	Class of 2022	Class of 2023
Four Year College/University	56%	35%
Two Year College/Technical School	12%	21%
Military	2%	0.50%

- Free community college in Maine has had a significant impact on student choices.
- The current employment and on-the-job training climate makes traditional college less of a priority for graduates.

# CLASS OF 2023 COLLEGE MATRICULATIONS

Boston University (MA)  
Bryant University (RI)  
Catholic University (Washington DC)  
Central Maine Community College (ME)  
Colby College (ME)  
Colby-Sawyer College (NH)  
College of Central Florida (FL)  
College of Charleston (SC)  
College of the Atlantic (ME)  
Emmanuel College (MA)  
Eastern Maine Community College (ME)  
Endicott College (MA)  
Husson University (ME)  
Keene State College (NH)  
Maine Electrical Institute (ME)  
Maine Maritime Academy (ME)  
Montclair State University (NJ)  
Northern Maine Community College (ME)  
Paul Mitchell The School (NH)  
Plymouth State University (NH)

Rensselaer Polytechnic Institute (NY)  
Rivier University (NH)  
Saint Anslem College (NH)  
Saint Joseph's College (ME)  
Southern Maine Community College (ME)  
Spa Tech Institute (ME)  
Thomas College (ME)  
University of Connecticut (CT)  
University of Maine (ME)  
University of Maine Farmington (ME)  
University of Maine Presque Isle (ME)  
University of New England (ME)  
University of New Hampshire (NH)  
University of Southern Maine (ME)  
University of New England (ME)  
University of Vermont (VT)  
Vermont Technical College (VT)  
Washington County Community College (ME)  
York County Community College (ME)

# **MAINE DOE DASHBOARD: OTHER INTERESTING FACTS:**

- **Approx. 20% of our teachers have less than 3 years of teaching experience**
- **More than  $\frac{1}{3}$  of our students were chronically absent last year in grades 6-12**
- **Maine students do slightly better than the national average on the National Assessment of Educational Progress (NAEP)**

# **MSAD 6 EMPLOYMENT DATA**

## **(MAINE DOE WEBSITE)**

- **We are the third largest school district employer in the state.**
- **We employ 743 Full Time Equivalent Positions**
- **Overall average employee salary \$41,830**
- **Average teacher salary \$54,755**

For Comparison:

- Portland is the largest school district employer.
- Portland Public Schools employ 1,223 FTE's
- Overall average employee salary \$59,692
- Average teacher salary \$67,340

# OVERALL BUDGET PER PUPIL EXPENDITURE

District	Per Pupil
York	24,013.61
RSU 23 OOB	23,137.70
RSU 21 Kennebunk	22,783.50
Falmouth	21,692.32
Yarmouth	20,152.50
Kittery	20,031.86
Cape Elizabeth	19,895.27
Wells-Ogunquit	19,691.23
Scarborough	19,531.39
South Portland	19,348.45
Brunswick	19,280.56
Portland	19,128.04
Westbrook	18,599.35
RSU 61 Lake Region	18,561.72
Sanford	18,288.31

Lewiston	18,128.14
Biddeford	17,478.80
Gorham	16,925.70
Saco	16,891.80
Dayton	16,555.90
RSU 14 Windham	16,235.96
Auburn	16,195.71
MSAD 6 Bonny Eagle	15,896.75
RSU 25 Marshwood	15,257.17
RSU 57 Massabesic	15,205.80
RSU 60 Noble	15,167.88
RSU 55 Sacopee	13,813.07



# QUESTIONS

