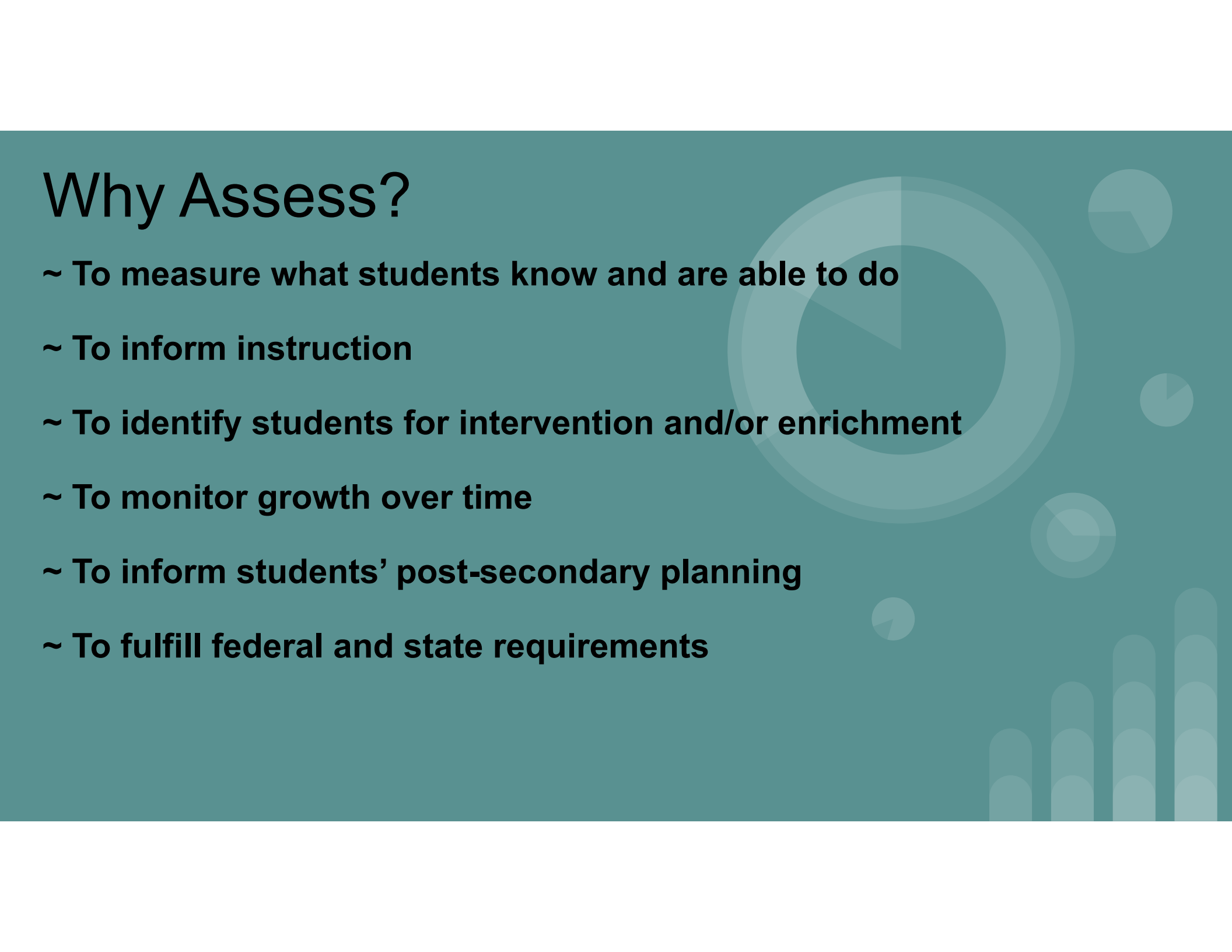


Assessment in Gorham Schools



Chris Record, Assistant Superintendent
Gorham School Committee
January 9th, 2019

Why Assess?

- ~ **To measure what students know and are able to do**
 - ~ **To inform instruction**
 - ~ **To identify students for intervention and/or enrichment**
 - ~ **To monitor growth over time**
 - ~ **To inform students' post-secondary planning**
 - ~ **To fulfill federal and state requirements**
- 

Two types of assessment

Formative Classroom Assessments: Inform instruction with specific & timely feedback

- ~ Aligned to daily or weekly learning objectives
- ~ Many types: teacher observation (*listening, body language*), student self-assessment (*vote with thumbs, traffic lights*), student work (*exit slips, graphic organizers*), collaborative work (*think, pair, share; jigsaw groups*)
- ~ Indicate need for reteaching and/or readiness for summative classroom assessments
- ~ May be tracked in gradebook

Two Types of Assessment

Summative Classroom Assessments: evaluate student learning at the end of an instructional unit by comparing it against standards or benchmarks

- ~ Aligned to course- or grade-level performance indicators
- ~ Many types: story, essay, test, project, poster, lab, debate, discussion, movie, speech, report, skit, etc.
- ~ Tracked in online gradebook and converted to 1-4 or 0-100 scale for reporting

We Use STAR360 Assessments As Our Universal Screener: To Identify Students for Intervention or Enrichment & To Monitor Growth Over Time

Why STAR?

- ~ 2-3 times per year / nationally normed / computer adaptive
- ~ Consistent assessment tool K-10
- ~ Aligned to curriculum standards
- ~ Provides immediate & specific information on each student (skills/standards)
- ~ Provides instructional resources to teachers based upon student need
- ~ Ability to progress monitor and build custom assessments

STAR Focus Areas

- ~ Early Literacy (K – 1): diagnostic assessment of early literacy skills
- ~ Reading (1 – 10): assessment of reading comprehension and skills for independent readers
- ~ Math (1 – 10): assessment of math development in four domains (numbers & operations, algebra, geometry & measurement, & data analysis/statistics/probability)
- ~ Not designed to compare with other schools
- ~ Used for RTI / GT / Flexible Grouping

Assessment to Inform Student Post-Secondary Planning

2018 Advanced Placement (AP) Exams at GHS

- ~ **211** students participated (168 in 2017; 171 in 2016; 158 in 2015; 148 in 2014; & 138 in 2013)
- ~ **12** different course exams were taken (15 in 2017 & 18 in 2016)
- ~ **211** exams taken (231 in 2017; 225 in 2016; 213 in 2015; 185 in 2014; 175 in 2013)
- ~ **54%** of test results were a 3 or higher (56% in 2017; 65% in 2016; 60% in 2015; 62% in 2014; 60% in 2013)
- ~ Nationally: 60% of test results were a 3 or higher

More Advanced Placement Data

- **2018** GHS students scored above the Maine , National, & Global Mean Score in these courses:
 - English Literature, European History, Computer Science A, & Biology
- **Last 5 years** GHS students scored above the Maine , National, & Global Mean Score in these courses:
 - Music Theory, English Language, English Literature, European History, Psychology, Computer Science A, Physics 1 & 2, & Latin

To Fulfill Federal and State Requirements

ESSA Every Student Succeeds Act (No Child Left Behind Act of 2001)

Requires annual testing in ELA/Literacy and Mathematics in grades 3-8 and 11
(Maine also tests in Science)

ELA/Literacy and Mathematics Over the Years:

2009-2014: NECAP (Grades 3-8), SAT (Grade 11)

2014-2015: MEA/SBAC (Grades 3-8 and 11)

2015-2018: MEA (3-8) and SAT (Grade 11)

SAT Cut Scores For Meeting State Expectations:

- 530 – 640 (Math) & 480 – 620 (ELA)

MEA 5th Grade 2016/2017 & 2018

Grade 5	Math 16/17	Math 2018	ELA 16/17	ELA 2018	Science 16/17	Science 2018
Cape	50.5	56.5	77.5	87	88	90
Falmouth	71	73	80.5	83	82.5	82.5
Gorham	53	47	62	60	79	70
RSU 5	56.5	60	66	68	77.5	84
RSU 14	25.5	24	62	58	69	65.5
RSU 15	37	35	59	58.5	70	59.5
SAD 51	60.5	56	77	70.5	76	77.5
Scarborough	56.5	63	76.5	80.5	82	86.5
Westbrook	28	25	42	38.5	47.5	37
Yarmouth	73	72	77	81.5	84.5	81.5
10 school avg.	51.15	51.15	67.95	68.55	75.6	73.4
State avg.	35.5	33.5	53.5	52	65	61

MEA 8th Grade 16/17 & 2018

Grade 8	Math 16/17	Math 2018	ELA 16/17	ELA 2018	Science 16/17	Science 2018
Cape	56.5	67	64	66.5	87	80.5
Falmouth	75.5	76	79	82	88.5	90.5
Gorham	47	50.5	58.5	69	78.5	74.5
RSU 5	45.5	60	68.5	70	81	85
RSU 14	28	37	44	53	69	64
RSU 15	39	47	57.5	61	75.5	79
SAD 51	69.5	66.5	73.5	76.5	87.5	84
Scarborough	52	51.5	71.5	72	86	79.5
Westbrook	26.5	31	43	43	58	50.5
Yarmouth	73.5	71	82	82	85.5	83
10 School avg.	51.3	55.75	64.15	67.5	79.65	77.05
State avg.	35	38.5	49	52.5	70.5	66.5

SAT 11th Grade 16/17 & 2018

Grade 11	Math 16/17	Math 2018	ELA 16/17	ELA 2018	Science 16/17	Science 2018
Cape	74	69	88	84	72.5	74
Falmouth	77	71.5	93	84.5	73.5	74
Gorham	48	43	73.5	69.5	53.5	46.5
RSU 5	38.5	54	62.5	67	50	60
RSU 14	34.5	27	67	56.5	46.5	41.5
RSU 15	38	35.5	63	57.5	54	50
SAD 51	69	69.5	86.5	81	73.5	75
Scarborough	60	56	78	78.5	65	73
Westbrook	25	30	45	45	35	38.5
Yarmouth	70.5	68.5	88.5	81.5	71.5	65
10 School Avg.	53.45	52.8	74.5	70.5	59.5	59.75
State Avg.	35	34.5	59	57	46.5	48

District K-12 Average Comparison 16/17 & 2018

District Wide	Math 16/17	Math 2018	ELA 16/17	ELA 2018	Science 16/17	Science 2018
Cape	63.5	63	74	75.5	83	81
Falmouth	72.5	71.5	81	77.5	82.5	82
Gorham	51	48	61.5	63	71	65
RSU 5	55.5	57	64	64	71.5	78
RSU 14	35	32	54	51	62.5	58
RSU 15	43	42	60	57.5	68	63
SAD 51	65.5	66.5	74.5	73	81	79
Scarborough	58	56	73	71.5	78.5	79
Westbrook	30.5	32	41.5	41.5	71	42
Yarmouth	73	70	79.5	77	82.5	77
10 School Avg.	55	54	66	65	75	70
State Avg.	38	37	51	50	61	59

10 School Pool Demographic Comparison

District	Median Income 2010	Per Pupil Exp. FY16	Length of Day (Avg K-12)
Cape	\$76,741	\$13,153.0	392
Falmouth	\$87,455	\$12,711.0	380
Gorham	\$70,786	\$11,208.0	365
RSU 5	\$63,669	\$13,102.0	390
RSU 14	\$69,873	\$11,069.0	377
RSU 15	\$63,614	\$10,229.0	370
SAD 51	\$78,359	\$14,757.0	391
Scarborough	\$74,886	\$12,006.0	385
Westbrook	\$46,112	\$10,615.0	402
Yarmouth	\$73,950	\$12,370.0	407
10 School Avg.	\$70,545	\$12,277	386
State Avg	\$47,069	\$11,348.0	

What Does All This Tell Us?

- While informative, we caution against concluding too much from MEA & SAT results (cohorts & one measure)
- That being said, a few data points to notice
 - We are consistently higher than the state average (5th, 8th, 11th, District)
 - We are consistently 7th in the 10 School Pool (5th, 8th, 11th, District) in ELA, Math, & Science
 - Outliers
 - 6th in ELA (8th & 11th)
 - 8th in Science (5th & 11th)

What Does All This Tell Us? (continued)?

- Demographics (in 10 school pool)
 - **Gorham** has the 6th lowest median income
 - **Gorham** has the 7th lowest per/pupil expenditure (MSAD 14, MSAD 15, & Westbrook are lower)
- Length of the School Day (in 10 school pool)
 - **Gorham** has the shortest school day (in some cases 30 minutes shorter)
- Finally, we need to keep a close eye on macro trends, but also truly focus on improving day-to-day instruction through formative assessment

Questions/Comments

