Beginning of Year (BOY) Assessment Data
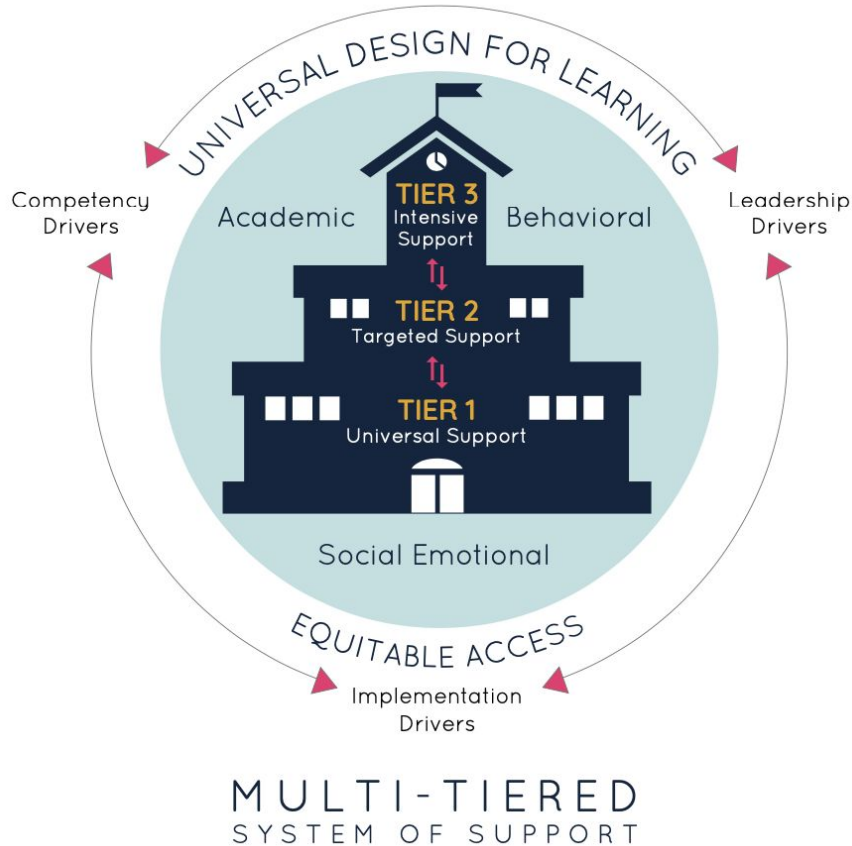
December 12, 2022

Dr. Margaret Adams, Superintendent
Kathryn Roberts, Interim Assistant Superintendent
Mary Andrews, Director of ELA
David Jewett, Director of Mathematics

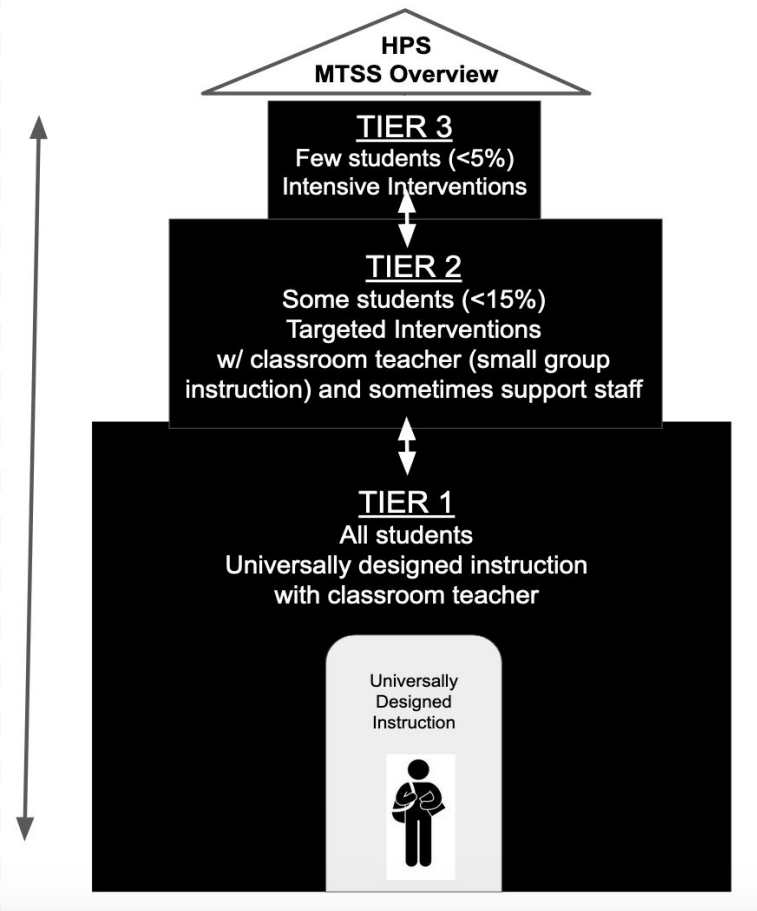# Multi-Tiered System of Support (MTSS)

Through MTSS, we will proactively identify and address the strengths and needs of all students by optimizing:

- data-driven decision-making

- progress monitoring

- evidence-based supports and strategies

Hingham K-5 MTSS Data Sources (ELA)

Grade	ELA Data Sources
K	**Acadience (DIBELS):** *FSF, LNF, PSF, NWF-CLS, NWF-WWR* **RAN**
1	**Acadience (DIBELS):** *SF, NWF-CLS, NWF-WWR, LNF, ORF, WCPM, Retell: Quantity/Quality* **Primary Spelling Inventory (PSI)** **RAN**
2	**Acadience (DIBELS):** *SF, NWF-CLS, NWF-WWR, LNF, ORF, WCPM, Retell: Quantity/Quality* **Beginning/Advanced Decoding Survey** **Primary Spelling Inventory (PSI)** **RAN**

Grade	ELA Data Sources
3	**Acadience (DIBELS):** *ORF: WCPM, Accuracy, Retell: Quantity/Quality* **Beginning/Advanced Decoding Survey** **Elementary Spelling Inventory** **ELA MCAS** **iReady Diagnostic**
4	**Acadience (DIBELS):** *ORF: WCPM, Accuracy, Retell: Quantity/Quality (selected students)* **Beginning/Advanced Decoding Survey** **ELA MCAS** **iReady Diagnostic**
5	**Acadience (DIBELS):** *ORF: WCPM, Accuracy, Retell: Quantity/Quality (selected students)* **Beginning/Advanced Decoding Survey** **ELA MCAS** **iReady Diagnostic**

Hingham K-5 MTSS Data Sources (Math)

Grade	MATH Data Sources
Gr. K-2	Everyday Math (EDM) Unit Assessments iReady Diagnostic
Gr. 3-5	Everyday Math (EDM) Unit Assessments Math MCAS iReady Diagnostic

How will iReady Diagnostic Data be used?

iReady

Diagnostic Data

Analyze individual strengths and areas for growth

Inform instruction, grouping, and tiered supports

Monitor progress to adjust supports as needed

Collaborate with students, families and educators to set goals

| BOY Diagnostic | Progress Monitoring | MOY Diagnostic | Progress Monitoring | EOY Diagnostic |

ELA - Reading

Sample Portion of A Grade 2 Data Sheet from 2021-2022

| FALL DATA BM | | | | | | | | | Winter Benchmark II | | | | | | | | | Spring Benchmark | | | | | |
NWF CLS (54/35)	NWF WWR (13/6)	ORF-WRC (52/37)	Accruacy (90/81)	Retell Quality	Journeys (26/20)	...ing Decoding Survey(50)	Spelling Inventory	Letters Time (>120, >139)	NWF - CLS 68/53	NWF - WWR 20/14	ORF-WRC (BM II 72-90)	Accruacy (BM II 97-99)	Retell Quality	ourneys Mid Year(20/14)	Decoding Survey (15-22)	inventory (36-49) 35 risk	Spelling Inventory Stage	ORF-WRC (87/65)	Accruacy (97/93)	Retell (2/1)	neys (* Read Aloud)(<15)	Decoding Survey (>20)	DSI
64	17	62	95	2	23	46	37/10	110	84	28	85	99	2	18	23	48/17	dipthongs, endings	97	100	3	17	27	48/18
98	41	175	100	2	22	48	47/14	116			164	99	3	20	20	55/25		188	99	3	19	20	58/24
69	16	64	88	1	15	39	31/7	94															
120	42	127	100	4	25	50	50/20	96			140	100	4	20	29	52/20	endings	143	100	4	18	26	55/25
75	25	85	98	3	25	49	39/10	79			107	99	2	17	25	52/18	some long vowels	116	99	2	16	25	50/19
76	23	50	94	3	23	48	47/17	108			74	97	4	18		50/20	dipthongs, endings	106	100	3	17	27	53/23
68	17	38	84	1	18	37	30/5	137			76	96	3	10	17	48/5		85	98	3	12	20	51/20

Acadience (DIBELS) Reading Composite Score Fall 2022 All Students

	Above Benchmark	At Benchmark	Below Benchmark	Well Below Benchmark
Kindergarten (n=285)	63%	15%	13%	9%
Grade One (n=276)	52%	17%	14%	17%
Grade Two (n=265)	60%	22%	8%	10%

Acadience (DIBELS) Reading Composite Score Fall 2022 Students With Disabilities

	Above Benchmark	At Benchmark	Below Benchmark	Well Below Benchmark
Kindergarten (n=19)	37%	26%	16%	21%
Grade One (n=36)	31%	8%	14%	47%
Grade Two (n=34)	44%	9%	15%	32%

Gr. 3-5 iReady BOY Diagnostic
Reading

Grade 3

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	18%	16%	22%	36%
Early On-Grade	28%	24%	26%	37%
1 Grade Below	24%	22%	20%	20%
2 Grades Below	21%	24%	20%	7%
3+ Grades Below	9%	15%	12%	

Grade 4

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	15%	16%	22%	40%
Early On-Grade	15%	13%	16%	23%
1 Grade Below	44%	40%	37%	28%
2 Grades Below	10%	10%	8%	6%
3+ Grades Below	15%	21%	17%	3%

Grade 5

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	14%	13%	18%	40%
Early On-Grade	18%	17%	19%	26%
1 Grade Below	31%	26%	27%	24%
2 Grades Below	23%	25%	21%	8%
3+ Grades Below	14%	19%	14%	2%

Legend:
- Mid On-Grade or Above
- Early On-Grade
- 1 Grade Below
- 2 Grades Below
- 3+ Grades Below

	Grade 3	Grade 4	Grade 5
National In School	918,246	918,192	924,443
Massachusetts In School	17,804	18,560	18,257
Hingham Public Schools	297	286	292

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Gr. 3-5 iReady BOY Diagnostic
Students with Disabilities - Reading

Students in **green and yellow** categories are considered ready for grade level work upon entering 2022-2023 School Year.

Grade 3
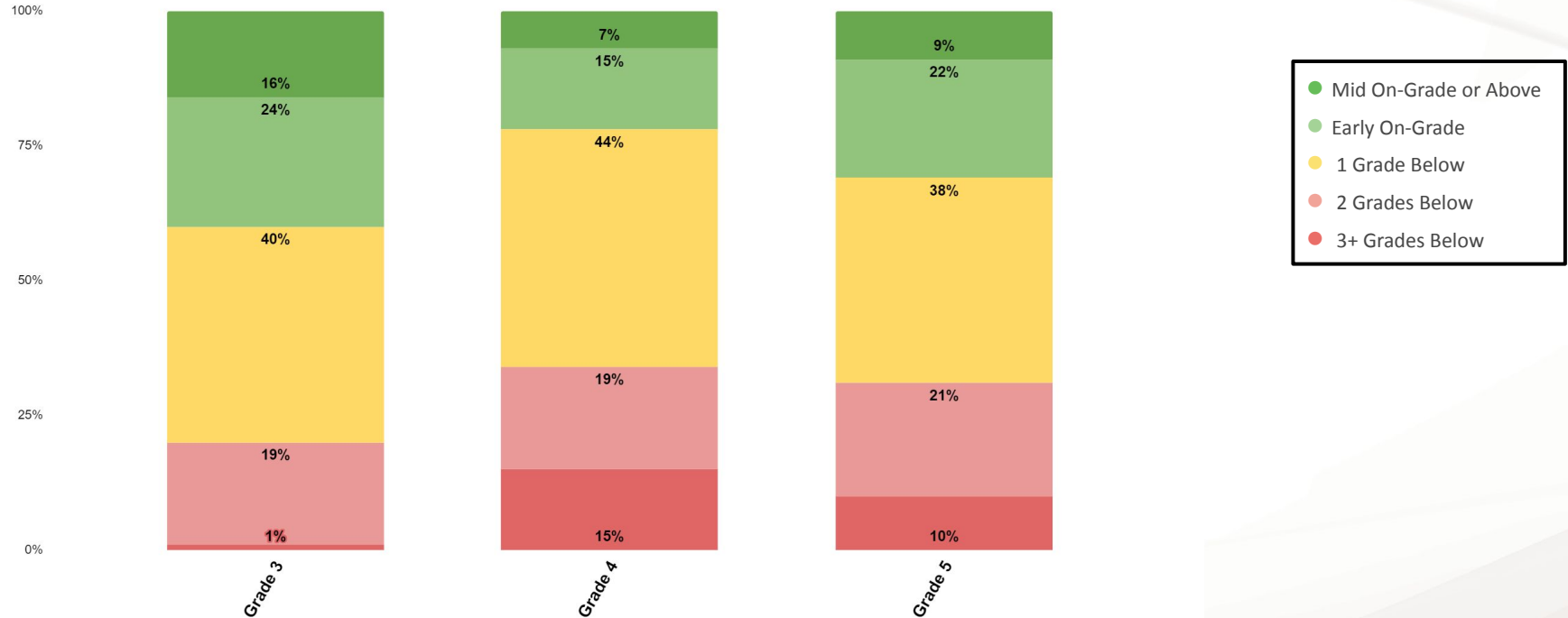- 16% — Mid On-Grade or Above
- 24% — Early On-Grade
- 40% — 1 Grade Below
- 19% — 2 Grades Below
- 1% — 3+ Grades Below

Grade 4
- 7%
- 15%
- 44%
- 19%
- 15%

Grade 5
- 9%
- 22%
- 38%
- 21%
- 10%

Legend:
- Mid On-Grade or Above
- Early On-Grade
- 1 Grade Below
- 2 Grades Below
- 3+ Grades Below

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IReady ELA Fall 2022 Grades 3-5 All Students

	Mid or Above Grade Level	*Early On Grade Level*	*One Grade Level Below*	*Two Grade Levels Below*	*Three or More Grade Levels Below*
Grade 3 (n=297)	36%	37%	20%	7%	0%
Grade 4 (n=286)	40%	23%	28%	6%	3%
Grade 5 (n=292)	40%	26%	24%	8%	2%

IReady ELA Fall 2022 Grades 3-5 Students With Disabilities

	Mid or Above Grade Level	*Early On Grade Level*	*One Grade Level Below*	*Two Grade Levels Below*	*Three or More Grade Levels Below*
Grade 3 (n=70)	16%	24%	40%	19%	1%
Grade 4 (n=54)	7%	15%	44%	19%	15%
Grade 5 (n=58)	9%	22%	38%	21%	10%

IReady ELA Fall 2022 Grades 3

	Mid or Above Grade Level	*Early On Grade Level*	*One Grade Level Below*	*Two Grade Levels Below*	*Three or More Grade Levels Below*
Phonological Awareness	100%				
Phonics	80%	4%	7%	8%	1%
High Frequency Words	100%				
Vocabulary	31%	40%	18%	11%	1%
Comprehension-Literature	41%	26%	15%	15%	3%
Comprehension-Informational Text	38%	24%	23%	14%	1%

IReady ELA Fall 2022 Grades 4

	Mid or Above Grade Level	Early On Grade Level	One Grade Level Below	Two Grade Levels Below	Three or More Grade Levels Below
Phonological Awareness	100%				
Phonics	92%		2%	2%	5%
High Frequency Words	100%				
Vocabulary	39%	23%	30%	4%	3%
Comprehension-Literature	48%	18%	23%	6%	6%
Comprehension-Informational Text	37%	19%	35%	3%	6%

IReady ELA Fall 2022 Grades 5

	Mid or Above Grade Level	Early On Grade Level	One Grade Level Below	Two Grade Levels Below	Three or More Grade Levels Below
Phonological Awareness	100%				
Phonics	98%			1%	1%
High Frequency Words	100%				
Vocabulary	35%	23%	31%	10%	1%
Comprehension-Literature	51%	21%	18%	6%	4%
Comprehension-Informational Text	35%	29%	21%	11%	4%

General Conclusions

DIBELS Grades K–2:
- **78%** of **ALL** kindergarteners and **63%** of **SWD** tested **at or above** the Fall 2022 benchmark
- **69%** of **ALL** first graders and **39%** of **SWD** tested **at or above** the Fall 2022 benchmark
- **82%** of **ALL** second graders and **53%** of **SWD** tested **at or above** the Fall 2022 benchmark

iReady Grades 3–5:
- **93%** of **ALL** third graders and **80%** of **SWD** demonstrated readiness for grade-level work on the BOY assessment
- **91%** of **ALL** fourth graders and **66%** of **SWD** demonstrated readiness for grade-level work on the BOY assessment
- **90%** of **ALL** fifth graders and **69%** of **SWD** demonstrated readiness for grade-level work on the BOY assessment
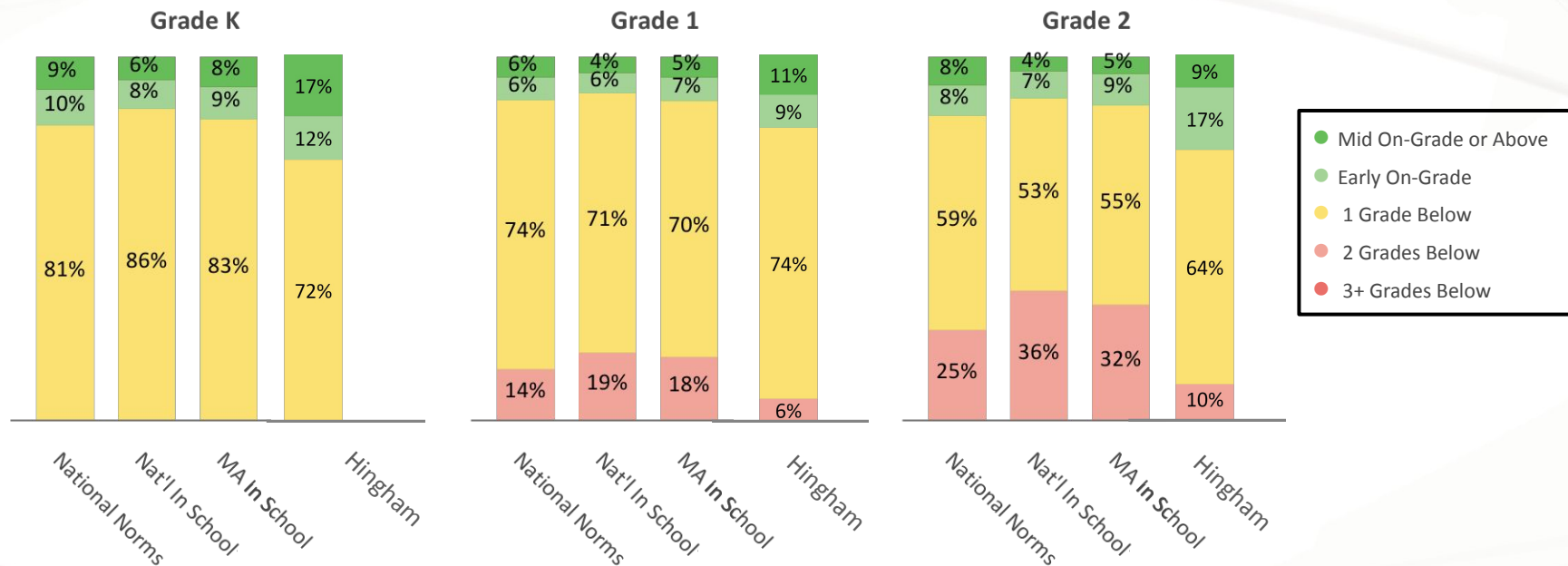
Next Steps (Grades K-5)

- Adopt a new K–5 reading program fully aligned with the science of reading principles for Fall 2023.
- Continue our focus on optimizing MTSS efficacy in grades K–5.
- Conduct regular data meetings every six to eight weeks to monitor progress and assign intervention groups and resources accordingly.
- Train reading specialists in *Keys to Literacy* strategies to optimize push–in support outcomes, especially in the areas of vocabulary and comprehension.
- Support consistent implementation of *Lexia* across K–2 and *iReady My Path* across 3–5 as learning tools to accelerate student learning.
- *Let's Go Learn* used as an additional assessment, progress monitoring, and personalized learning tool for special education students.

Mathematics
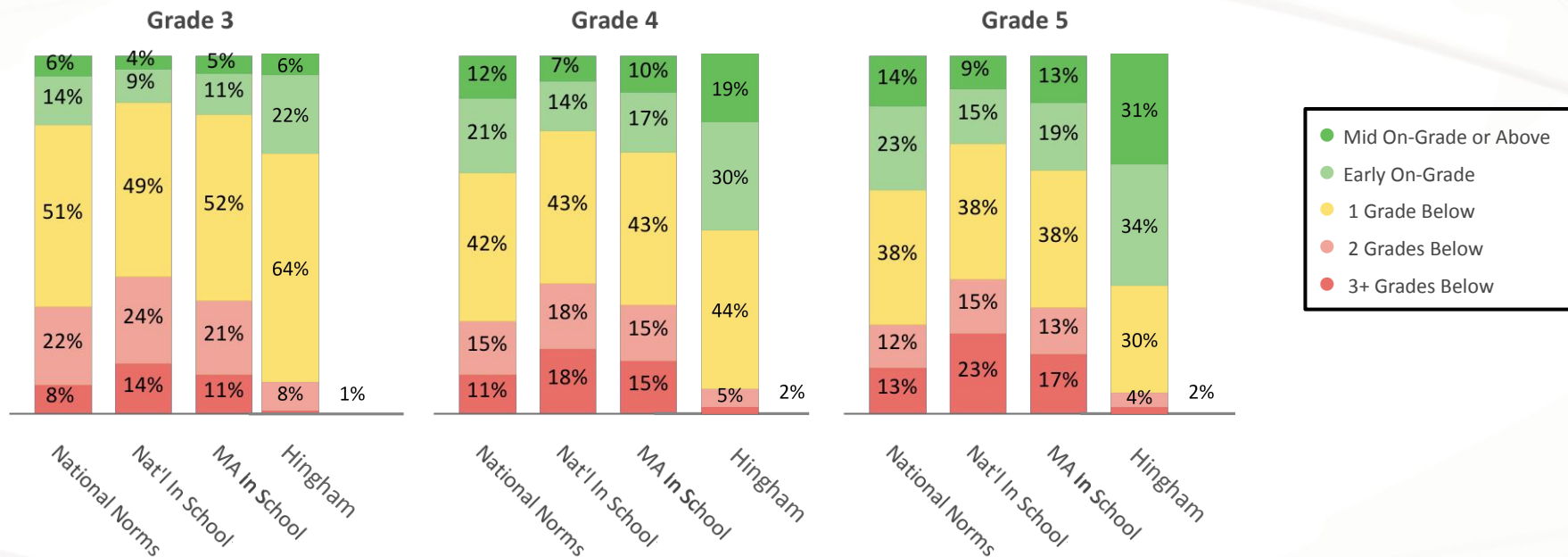
K-2 iReady BOY Diagnostic
Mathematics

Students in **green and yellow** categories are considered ready for grade level work upon entering 2022-2023 School Year.

Grade K

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	9%	6%	8%	17%
Early On-Grade	10%	8%	9%	12%
1 Grade Below	81%	86%	83%	72%

Grade 1

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	6%	4%	5%	11%
Early On-Grade	6%	6%	7%	9%
1 Grade Below	74%	71%	70%	74%
2 Grades Below	14%	19%	18%	6%

Grade 2

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	8%	4%	5%	9%
Early On-Grade	8%	7%	9%	17%
1 Grade Below	59%	53%	55%	64%
2 Grades Below	25%	36%	32%	10%

Legend:
- Mid On-Grade or Above
- Early On-Grade
- 1 Grade Below
- 2 Grades Below
- 3+ Grades Below

	Grade K	Grade 1	Grade 2
National In School	685,841	969,359	1,001,105
Massachusetts In School	7,921	16,693	18,326
Hingham Public Schools	277	274	263

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3-5 iReady BOY Diagnostic
Mathematics
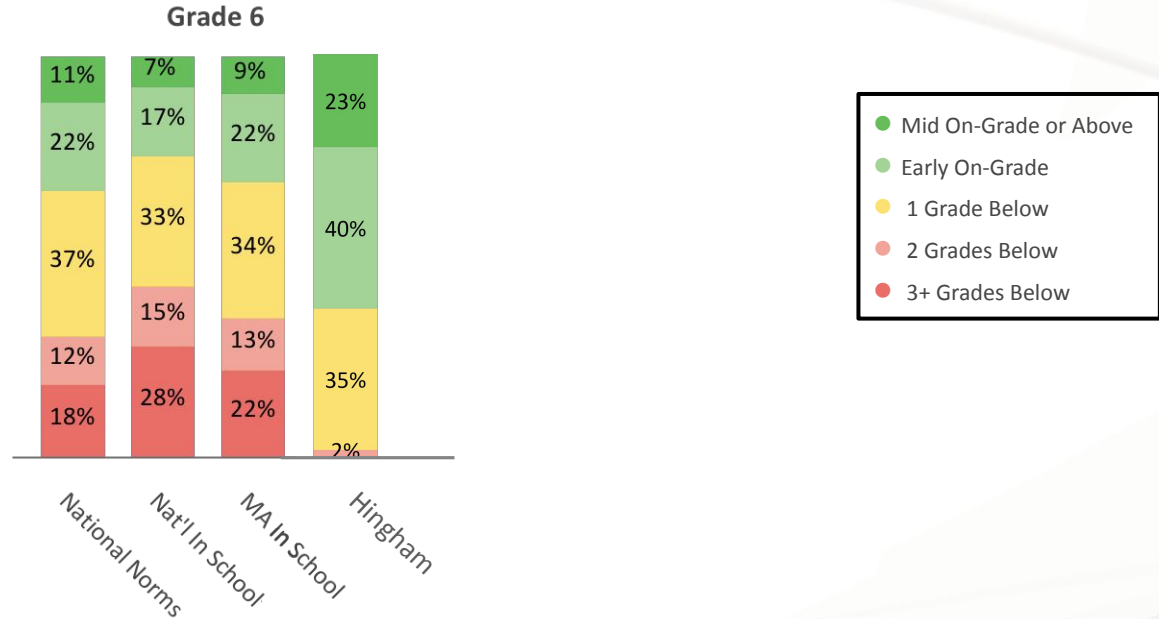
Students in **green and yellow** categories are considered ready for grade level work upon entering 2022-2023 School Year.
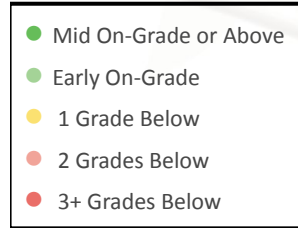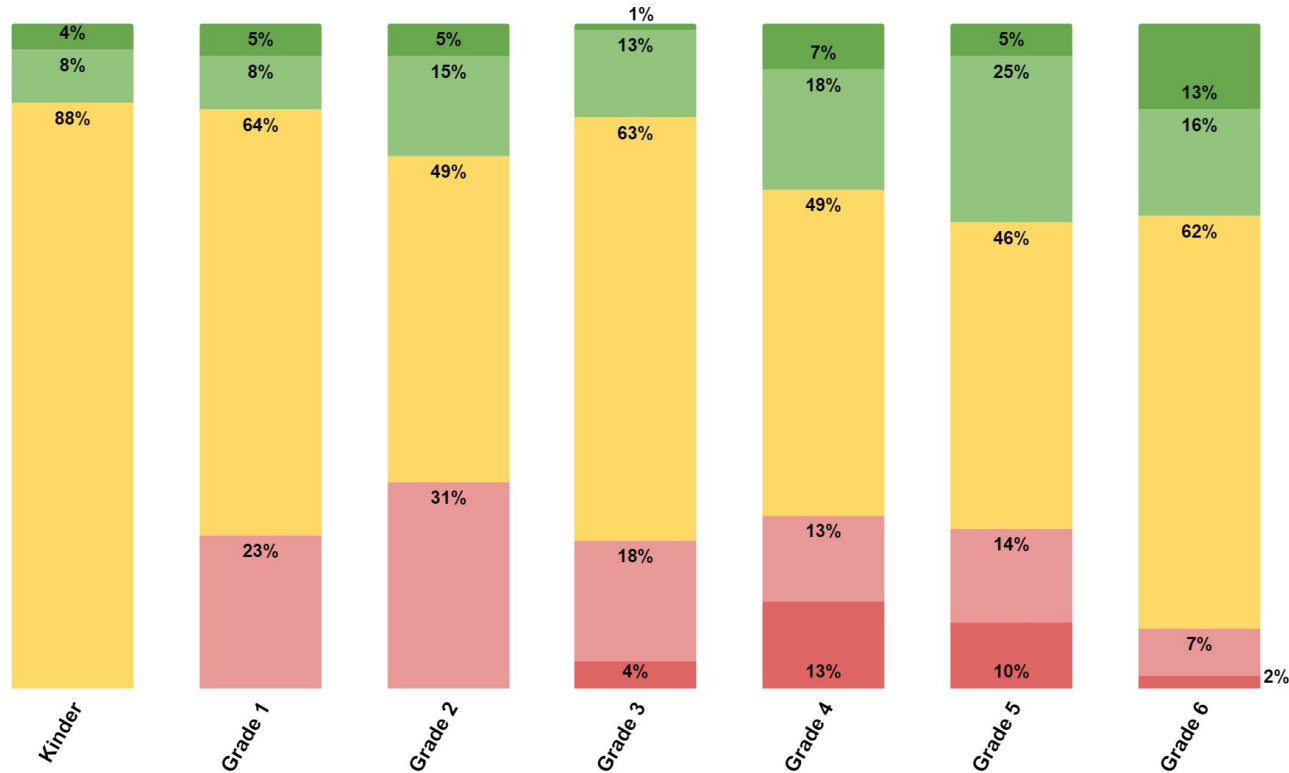

Grade 3

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	6%	4%	5%	6%
Early On-Grade	14%	9%	11%	22%
1 Grade Below	51%	49%	52%	64%
2 Grades Below	22%	24%	21%	8%
3+ Grades Below	8%	14%	11%	1%

Grade 4

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	12%	7%	10%	19%
Early On-Grade	21%	14%	17%	30%
1 Grade Below	42%	43%	43%	44%
2 Grades Below	15%	18%	15%	5%
3+ Grades Below	11%	18%	15%	2%

Grade 5

	National Norms	Nat'l In School	MA In School	Hingham
Mid On-Grade or Above	14%	9%	13%	31%
Early On-Grade	23%	15%	19%	34%
1 Grade Below	38%	38%	38%	30%
2 Grades Below	12%	15%	13%	4%
3+ Grades Below	13%	23%	17%	2%

Legend:
- Mid On-Grade or Above
- Early On-Grade
- 1 Grade Below
- 2 Grades Below
- 3+ Grades Below

	Grade 3	Grade 4	Grade 5
National	1,053,430	1,045,877	1,046,368
Massachusetts	19,629	20,528	19,884
Hingham Public Schools	297	286	293

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Grade 6 BOY Diagnostic
Mathematics

Grade 6

Legend:
- ● Mid On-Grade or Above
- ● Early On-Grade
- ● 1 Grade Below
- ● 2 Grades Below
- ● 3+ Grades Below

National Norms	Nat'l In School	MA In School	Hingham
11%	7%	9%	23%
22%	17%	22%	40%
37%	33%	34%	35%
12%	15%	13%	2%
18%	28%	22%	

	Grade 6
National In School	901,203
Massachusetts In School	18,373
Hingham Public Schools	279

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Grade K-6 BOY Diagnostic
Students with Disabilities - Mathematics

Kinder: 4% Mid On-Grade or Above, 8% Early On-Grade, 88% 1 Grade Below

Grade 1: 5%, 8%, 64%, 23%

Grade 2: 5%, 15%, 49%, 31%

Grade 3: 1%, 13%, 63%, 18%, 4%

Grade 4: 7%, 18%, 49%, 13%, 13%

Grade 5: 5%, 25%, 46%, 14%, 10%

Grade 6: 13%, 16%, 62%, 7%, 2%

Legend:
- Mid On-Grade or Above
- Early On-Grade
- 1 Grade Below
- 2 Grades Below
- 3+ Grades Below

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IReady Math Fall 2022 (Standard View)

	Mid or Above Grade Level	*Early On Grade Level*	*One Grade Level Below*	*Two Grade Levels Below*	*Three or More Grade Levels Below*
Kindergarten	17%	12%	72%		0%
Grade 1	11%	9%	74%	6%	0%
Grade 2	9%	17%	64%	10%	0%
Grade 3	6%	22%	64%	8%	1%
Grade 4	19%	30%	44%	5%	2%
Grade 5	31%	34%	30%	4%	2%
Grade 6	23%	40%	35%	2%	0%

	Mid or Above Grade Level	*Early On Grade Level*	*One Grade Level Below*	*Two Grade Levels Below*	*Three or More Grade Levels Below*
Kindergarten	17%	12%	72%	0%	0%
Grade 1	11%	9%	74%	6%	0%
Grade 2	9%	17%	64%	10%	0%
Grade 3	6%	22%	64%	8%	1%
Grade 4	19%	30%	44%	5%	2%
Grade 5	31%	34%	30%	4%	2%
Grade 6	23%	40%	35%	2%	0%

General Conclusions

- In grades K-2, about 95% of students are ready to access grade level curriculum.
    - The grades K-2 Students with Disabilities sub group shows 82% of students ready to access grade level instruction with a higher percentage need in the Numbers and Operations domain.
- In grades 3-6, 94% of students are ready to access grade level curriculum.
    - The grades 3-6 for Students with Disabilities sub group shows 80% of students ready to access grade level instruction with higher percentage need in the Geometry domain.
- Students with Disabilities subgroup shows and average of 22% of students below grade level across grades 1-6.

Next Steps

- Support implementation of *iReady My Path* across grades K-6 as a tool to accelerate student learning.
- Use *iReady Diagnostic* data to inform decisions for MTSS intervention groupings.
- Meet with classroom teachers every six to eight weeks to review iReady data to support aligning instruction to students' needs.
- In grades K-5, support implementation of the math workshop block and use of core instructional practices through professional development.
- In grades 6-8, use iReady data in the decision making process for Math Lab intervention.
- *Let's Go Learn* used as an additional assessment, progress monitoring, and personalized learning tool for special education students.