

PUBLIC SCHOOLS of
BROOKLINE



PSB Enrollment Update

March 16, 2022

Photo Credit: L. Guillory

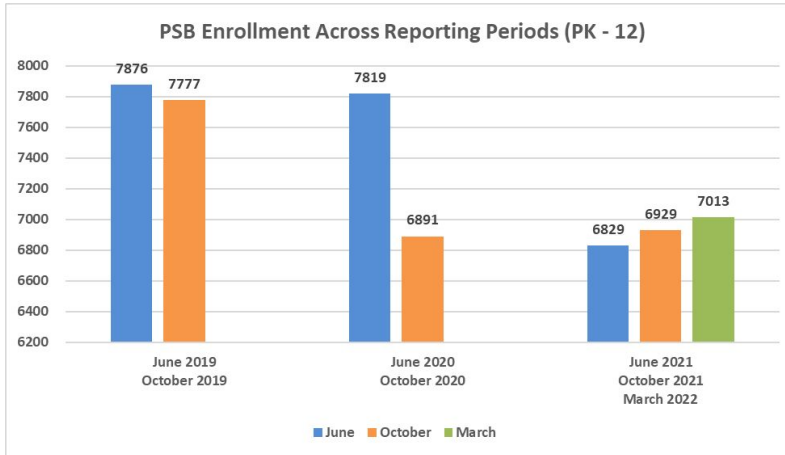
Agenda

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- Review PSB SIMS enrollment over time
- Outline current and next year Kindergarten registrations to date
- Highlight enrollment projections for FY23 school year

PSB Enrollment Over Time



Enrollment numbers include BEEP and SP students
 Source: DESE Public Website SIMS data - Brookline Public Schools; PSB Office of Strategy and Performance

October 1, 2021

- 6929 students
- 4842 PK-8
- 501 K
- 2087 BHS

March 1, 2022*

- 7013 students
- 4941 PK-8
- 511 K
- 2072 BHS

**March numbers are still preliminary and not yet finalized*

Kindergarten Registrations by 3/1

Number of K Students Registered for Next School Year by March 1 of Kindergarten Enrollment Year

School Year	# Registered (by March 1)	# Enrolled (Oct. 1)	Percent of Enrolled
2018-19	291	603	48%
2019-20	386	600	64%
2020-21	335	488	68%
2021-22	252	501	50%
2022-23 (Next Sch Year)	314	--	--

Kindergarten Registration

- Process has evolved each year; especially after 2018
 - Additional and updated outreach
 - Change in staffing
 - Specialized BEEP information sessions and registration outreach

Source: PSB Office of Registration and Enrollment

Single Point Projection Methodology

Cohort Survival Method

- Historical Progression Rates
 - (five-year average)
- Excludes 2020-21 outlier year

Includes new housing developments to be occupied during the FY23 year as indicated by Town Planning Department

Student Generation Ratios:

- 134 Babcock (9 students)
- 21 Crowninshield (7 students)
- Hancock Village (101 students)

Assumes BEEP enrollment at 300 students

Assumes SP enrollment at 24 students

PSB Five Year Progression Rate

Grade Band	16-17	17-18	18-19	19-20	21-22	Avg.
K-8	0.99	1.01	1.00	0.99	0.98	0.99
9-12	1.02	1.03	1.02	0.99	1.02	1.01
System Total	1.00	1.01	1.01	0.99	0.99	1.00

- Based on October 1 enrollment each year
- Excludes progression rate for 2020-21
 - Outlier year - drops average and influences projection to lower than current numbers (as of March 1, 2022)
- Historically, PSB has an average progression rate of 1.0

SY2022-23 Single Point Projection

Grade Band	2021-22 (Oct. 1)	2022-23 (Projected)
PK	255	300
K	501	514
1-2	1023	1041
3-5	1493	1529
6-8	1569	1533
9-12 <small>(includes SP)</small>	2087	2099
Total	6928	7016*

Using Single Point Projection Method:

7016 students
90% of pre-pandemic enrollment (7777)

But...

- Still coming off of a global pandemic and **enrollment remains volatile**
 - International student travel
 - Deferred program acceptance for medical and academic positions
 - Financial constraints
 - Housing costs
 - High school enrollment choices
 - Current political environment

Source: PSB Office of Strategy and Performance

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Enrollment Range Forecast Methodology

Creates and enrollment range using prior year forecasts and historical data

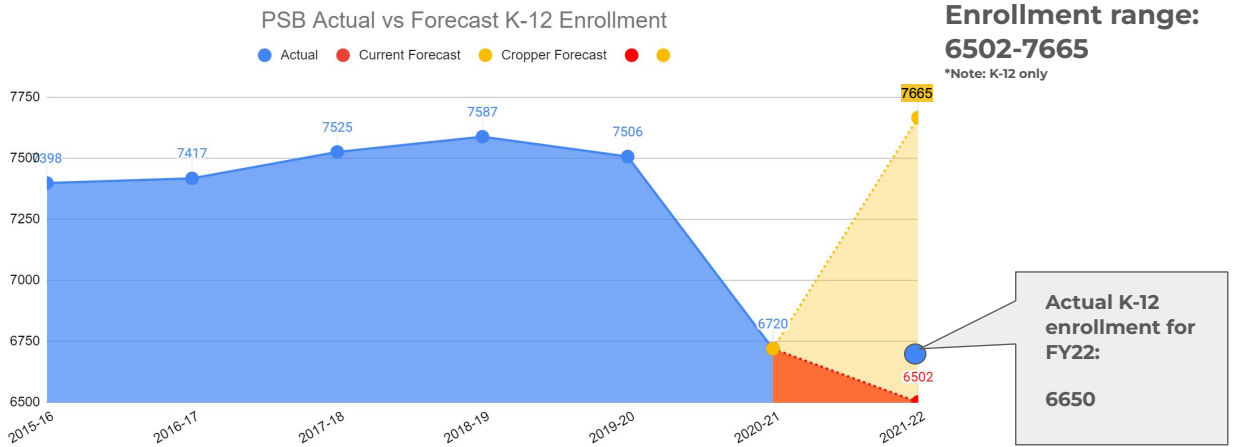
- *Cone of uncertainty*
- Used during FY22 budget season

Ranges:

- **Low:** FY23 single point projection
- **Mid:** Average of three enrollment indicators
- **High:** Cropper/McKibben forecasts

Allows PSB to plan for best-guess forecast while also remaining sufficiently staffed to respond to a larger number of students if they come

Used this Method in FY22



Mid Range Enrollment Number

Number of Immigrant Student Withdrawals (Fall 2020)

262 immigrant (newcomer) students transferred "out-of state" between June 2020 and October 2020

Percent of EL Students Decreased by 2% from Fall 2019 to Fall 2021

Percent of PSB Population
- October 2019: 11% EL
- October 2021: 9% EL

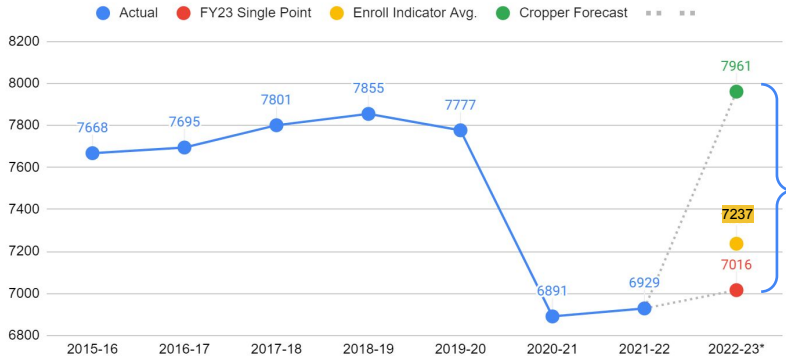
Decrease of **155** EL students

Newcomer (Immigrant) Student Registrations

245 students listed as newcomers (immigrants) registered between January 1, 2021 and March 1, 2022

FY23 Enrollment Range (PK-12)

PSB Actual vs Enrollment Range



Enrollment numbers include BEEP and SP students
Source: PSB Office of Strategy and Performance

High

- Cropper/McKibben
- **7961** students
- 102% pre-pandemic enrollment

Mid

- Average of 3 enrollment indicators
- **7237** students
- 93% pre-pandemic enrollment

Low

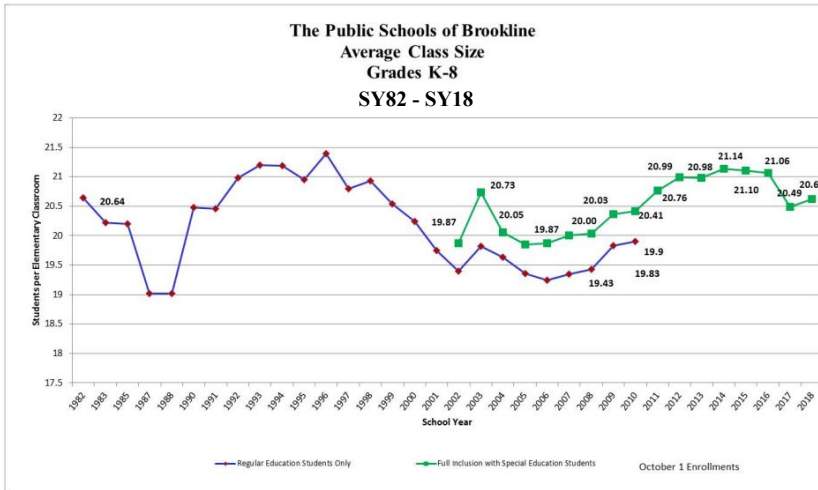
- Single point
- **7016**
- 90% pre-pandemic enrollment

SY23 Enrollment Range (PK-12)

	19-20	20-21	21-22	22-23 (Low)	22-23 (Mid)	22-23 (High)
PK	252	153	255	300	300	252
K-8	5442	4703	4587	4641	4776	5484
9-12	2083	2035	2087	2075	2171	2225
Total	7777	6891	6929	7016	7237	7961
K-8 sections	270	270	258	246		
K-8 avg/section	20.2	17.4	17.8	18.9	19.4	22.3

9-12 Enrollment numbers include SP students

SY23 Average K-8 Class Size is in Range of Historical Class Size



https://www.brookline.k12.ma.us/cms/lib/MA01907509/Centricity/Domain/722/2017-18_Final_Enrollment_Report.pdf

SY23 K-8 Enrollment Range vs Building Capacity

K-8 building capacity with MSBA-approved Pierce-4 will be 5200+, compared to:

- Low: 4641
- Mid: 4776
- High: 5484

Buildings not excessively underbuilt; may offer opportunities for flexibility, e.g. some return of BEEP from leased space, if enrollment steadies at mid/low range.

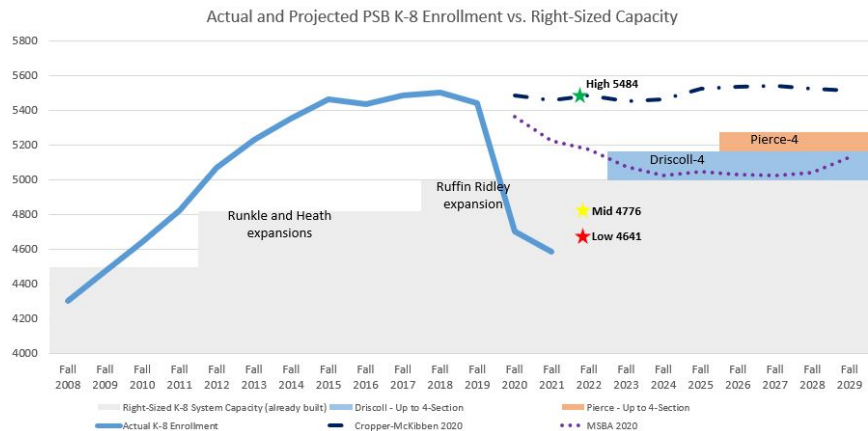


Image adapted from March 2020 analysis of K-8 school enrollment and capacity by Dave Gacioch, Nathan Shpritz, and Mike Toffel

QUESTIONS?

