

PUBLIC SCHOOLS of  
**BROOKLINE**



# PSB Enrollment Update

April 7, 2022

Photo Credit: R. Watts

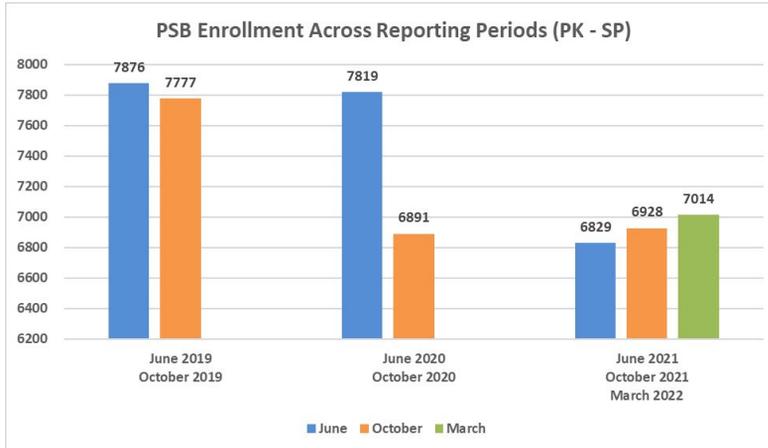
## Agenda

PUBLIC SCHOOLS of  
**BROOKLINE**



- PSB enrollment over time
- Kindergarten registrations, Fall 2022
- Review updated *School Attending* numbers
- Enrollment range for FY23

# PSB Enrollment Over Time



## October 1, 2021

- 6928 students
- 4841 PK-8
- 501 K
- 2087 BHS

## March 1, 2022

- 7014 students
- 4941 PK-8
- 511 K
- 2073 BHS

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

# Kindergarten Registrations by 4/1

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

School Year	# Registered (by April 1)	# Enrolled (Oct. 1)	Percent of Enrolled
2018-19	401	603	66%
2019-20	444	600	74%
2020-21	381	488	78%
2021-22	299	501	59%
2022-23 (Next Sch Year)	363	--	--

## 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

# PSB School Attending Numbers

Year	Home School	In State Private/Parochial	Out of State Private/Parochial	Total	Change from Prior Year (#)
2017	22	1065	17	1104	+41
2018	24	1280	32	1336	+232
2019	22	1324	21	1367	+31
2020	17	1344	24	1385	+18
2021	80	1546	23	1649	+264
2022	54	1523	22	1599	-50

- Based on January 1 of each year
- Excludes PK and SP populations
- 2021 = Pandemic school year

Source: DESE School Attending Report

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## In-State Private/Parochial by Resident Students

Year	Total Students # (all residents)	In State Priv/Paro #	% of Total Students In State Priv/Paro
2017	8083	1065	13%
2018	8354	1280	15%
2019	8467	1324	16%
2020	8448	1344	16%
2021	7840	1546	20%
2022	7835	1523	19%

Resident students: K-12 school age children who live in Brookline (excludes METCO, Materials Fee, BEEP, SP)

Source: DESE School Attending Report

- In State Private/Parochial numbers have increased from 2017 to 2021: Up to 20% of the town's school-age population.
- Numbers slightly decreased in 2022 in this same group.
- **2022:**
  - Grades K-5: 552
  - Grades 6-8: 432
  - Grades 9-12: 539
- **Pre-Pandemic (2019):**
  - Grades K-5: 520
  - Grades 6-8: 319
  - Grades 9-12: 485

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# 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
<b>System Total</b>	<b>1.00</b>	<b>1.01</b>	<b>1.01</b>	<b>0.99</b>	<b>0.99</b>	<b>1.00</b>

- Based on October 1 enrollment each year
- Excludes progression rate for 2020-21
  - Outlier year - drops average and influences projection to lower than March 1 numbers
- 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
<b>Total</b>	<b>6928</b>	<b>7016*</b>

## 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

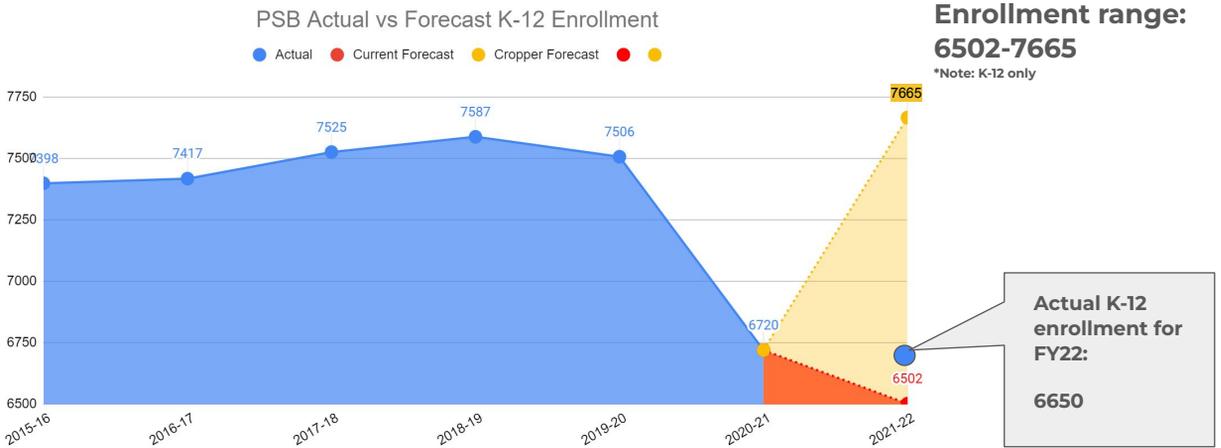
- *Cone of uncertainty*
- Used during FY22 budget season

### 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

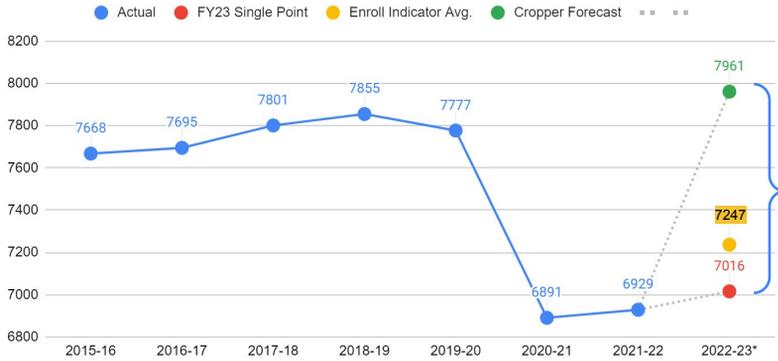
Decrease of **155** EL students

### 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
- **7247** students
- 93% pre-pandemic enrollment

## Low

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

# Projected Enrollment: Sections & Class Size

	ACTUAL				PROJECTED					
	19-20 (Oct)	20-21 (Oct)	21-22 (Oct)	21-22 (Mar)	22-23 (Low)	22-23 (Mid)	22-23 (High)	22-23 (Low)	22-23 (Mid)	22-23 (High)
PK	252	153	255	255	300	300	252	300	300	252
K-8	5442	4703	4587	4686	4641	4776	5484	4641	4776 (87.7% PP)	5484
9-12 & SP	2083	2035	2087	2072	2075	2171	2225	2075	2171	2225
<b>Total</b>	<b>7777</b>	<b>6891</b>	<b>6929</b>	<b>7013</b>	<b>7016</b>	<b>7247</b>	<b>7961</b>	<b>7016</b>	<b>7247</b>	<b>7961</b>
K-8 sections	270	270	258	258	246			237 (87.7% of PP)		
<b>K-8 avg/sec (range)</b>	<b>20.2</b> (14-26)	<b>17.4</b>	<b>17.8</b>	<b>18.2</b>	<b>18.9</b>	<b>19.4</b> (16-23)	<b>22.3</b>	<b>19.6</b>	<b>20.2</b> (18-25)	<b>23.1</b>

### 246 K-8 Sections Allowed for:

- Risk Management: Enrollment uncertainty is greatest risk, given mandate to accept all students
- Continued pandemic recovery (class sizes remain smaller on average)
- Adjustments managed solely by attrition

### Impact of 237 K-8 Sections:

- Reduced ability to manage enrollment uncertainty (PSB's greatest risk)
- Reduced capacity for pandemic recovery (class size average returns to pre-pandemic)
- Adjustments cannot be managed solely by attrition

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# QUESTIONS?

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