Beaverton School District Enrollment Forecasts

School Board Presentation on September 26, 2023

About FLO Analytics

- **Experienced**—We have assisted public school districts of all sizes across the nation with school boundary analysis initiatives and other long-range planning projects.
- **Innovative**—We use custom tools and procedures that promote transparency and public buy-in.
- **Equity Focused**—As a company, we strongly believe that all students should have access to educational opportunities that best meet their individual needs.
- **Committed to Community**—Our mission, no matter the geography or size of the project, is to improve communities. This means our primary goal is a long-term positive outcome, not only for the District but also for all students, their parents, and the broader community.

OUR AREAS OF SPECIALIZATION

- Student Enrollment Forecasting
- Boundary Adjustments
- Special Program Analysis
- School Capacity and Utilization Analysis
- School Choice Analysis
- Communications and Community Engagement
- Electoral Redistricting

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Overarching Process

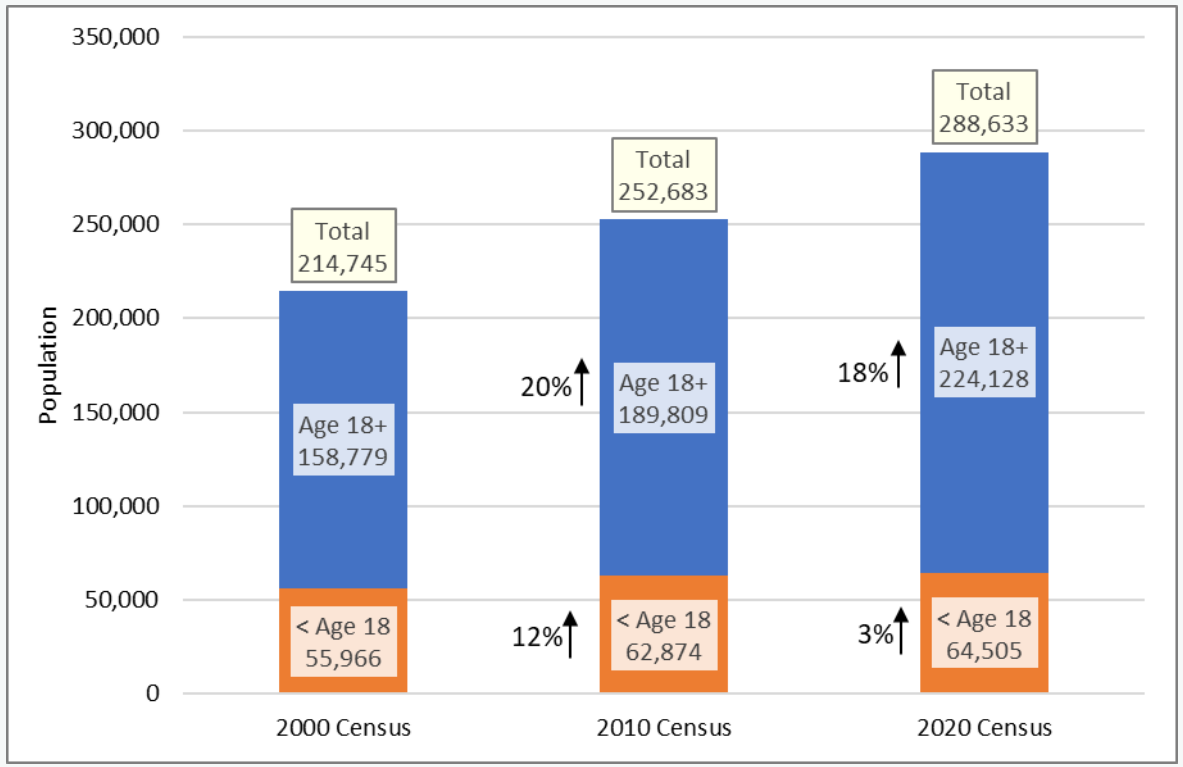
Enrollment Assessment

Demographic & Residential Development Analyses

Enrollment Forecasts

Population Trends

While the district added nearly 74,000 residents between 2000 and 2020, an aging population and lower birth rates led to slower growth in the child population, and the share of children under age 18 fell from 26% in 2000 to 22% in 2020.



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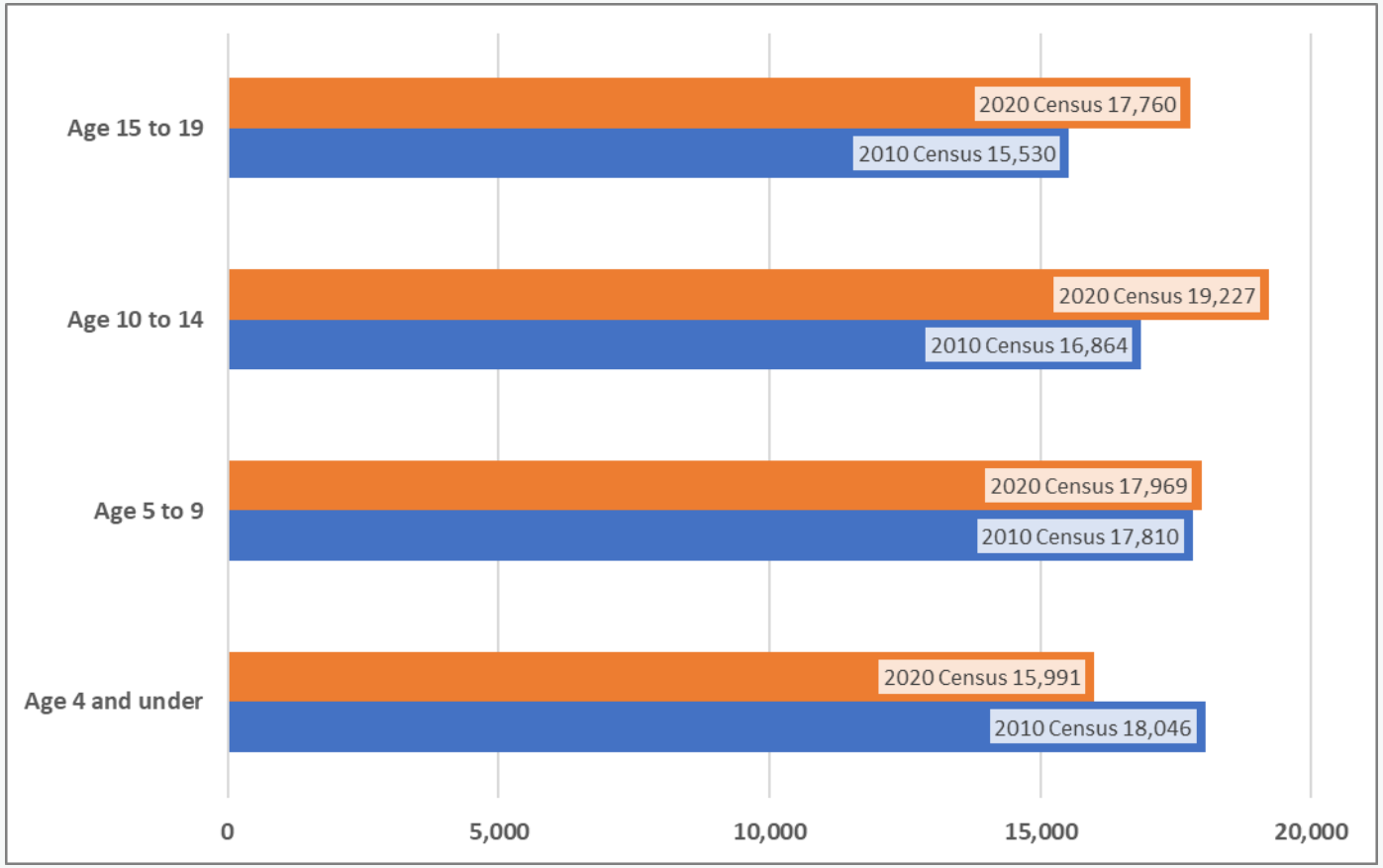
Population Age 19 and Under by Age Group 2010 and 2020

Even before the pandemic, trends in birth cohorts and age groups indicated that high school enrollment was nearing a peak, and that elementary enrollment would likely decline.



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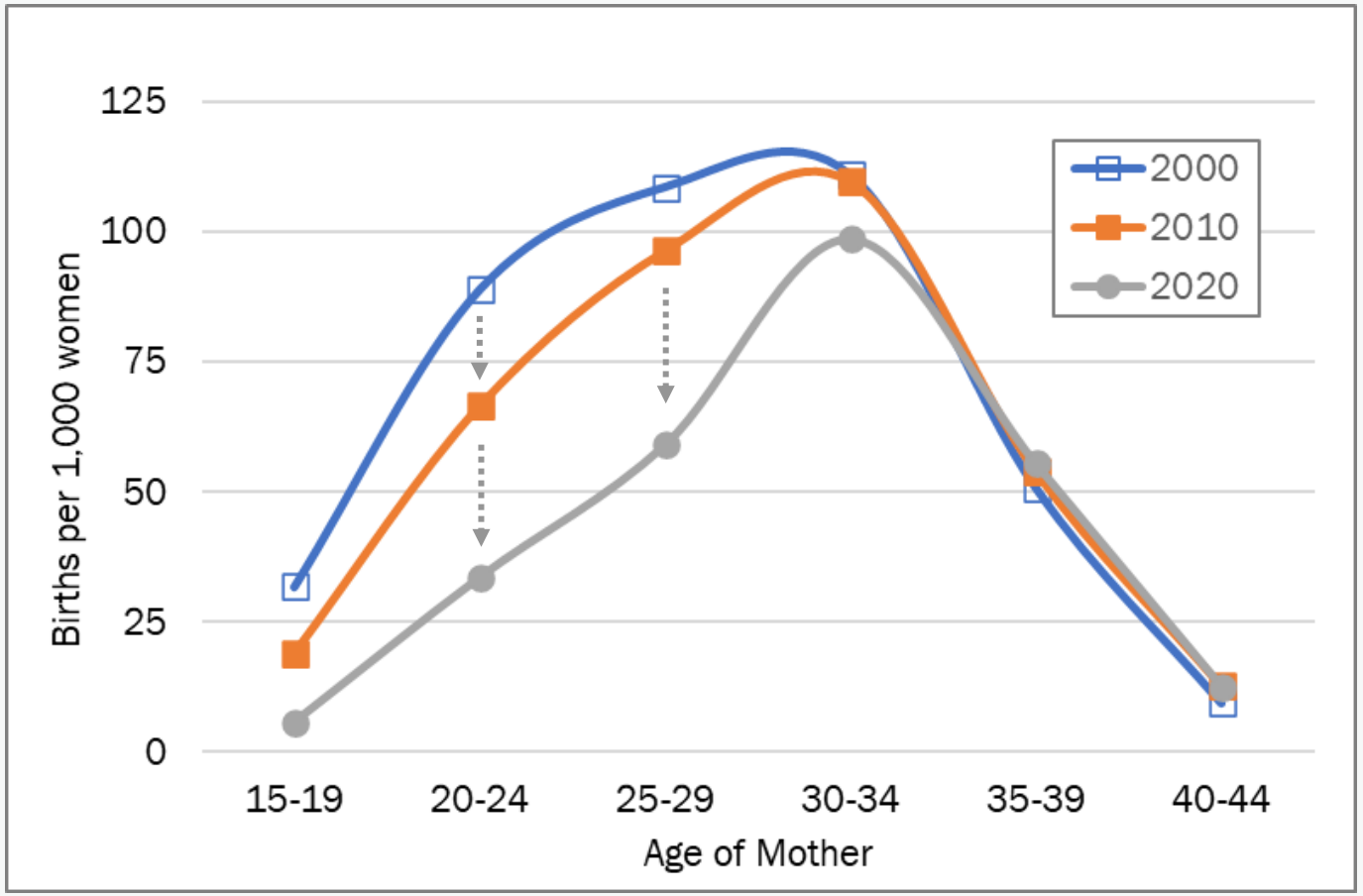
Birth Rates

- Birth rates for women under age 30 have steadily declined (arrows)
- Total fertility rate* among BSD residents has fallen from 2.00 in 2000 to 1.79 in 2010 and 1.33 in 2020.

* the number of children that would be born to a woman over her child-bearing years, based on age-specific birth rates at a given time



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Enrollment by Grade Group

Recent enrollment peaks in elementary, middle, and high school grades reflect the size of age cohorts progressing through grade levels. Grades K–5 peaked in 2015–16, followed by peaks in grades 6–8 in 2018–19 and grades 9–12 in 2021–22.

Grade Group	2012–13	2013–14	2014–15	2015–16	2016–17	2017–18	2018–19	2019–20	2020–21	2021–22	2022–23
K–5	17,952	17,987	17,918	**18,350**	18,073	17,802	17,672	17,627	16,317	16,203	16,007
Change	N/A	35	-69	432	-277	-271	-130	-45	-1,310	-114	-196
6–8	8,847	8,870	9,067	9,200	9,356	9,354	**9,379**	9,347	9,019	8,922	8,559
Change	N/A	23	197	133	156	-2	25	-32	-328	-97	-363
9–12	11,034	11,019	11,179	11,344	11,529	11,697	11,840	12,113	12,166	**12,223**	12,110
Change	N/A	-15	160	165	185	168	143	273	53	57	-113
K–12 Total	37,833	37,876	38,164	38,894	38,958	38,853	38,891	**39,087**	37,502	37,348	36,676
Change	N/A	43	288	730	64	-105	38	196	-1,585	-154	-672

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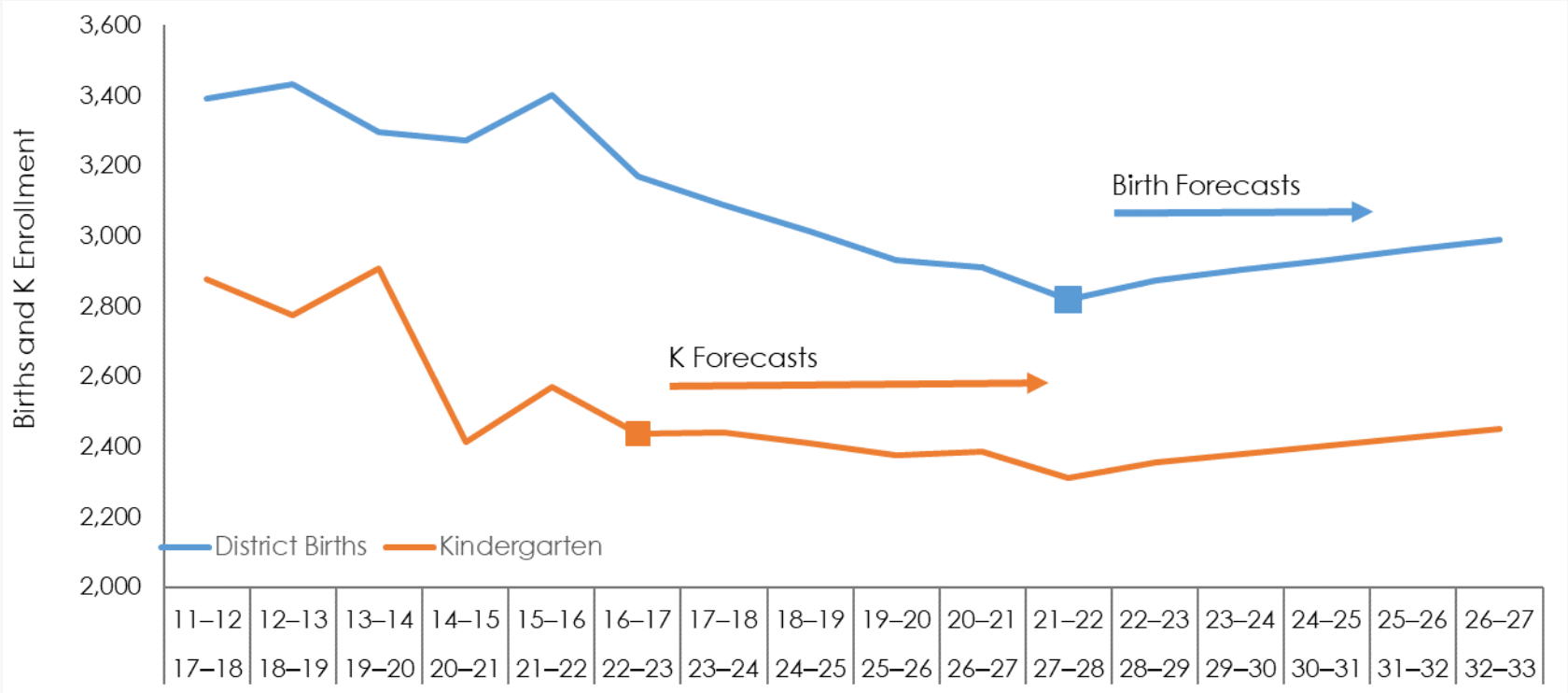
Enrollment Forecasts

Births and Kindergarten Enrollment

- Births to BSD residents remained stable between 2011–12 and 2015–16, averaging 3,359 births a year.
- Beginning with the 2016–17 cohort, births declined in each of six consecutive years, reaching a low of 2,820 in 2021–22.

Birth Year	11–12	12–13	13–14	14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	24–25	25–26	26–27
Births	3,393	3,432	3,297	3,274	3,401	3,170	3,089	3,014	2,933	2,911	2,820	2,874	2,903	2,933	2,962	2,991
School Year	17–18	18–19	19–20	20–21	21–22	22–23	23–24	24–25	25–26	26–27	27–28	28–29	29–30	30–31	31–32	32–33
Kindergarten	2,876	2,774	2,909	2,415	2,569	2,437	2,440	2,411	2,376	2,387	2,312	2,357	2,381	2,405	2,428	2,452
Ratio to Births	0.85	0.81	0.88	0.74	0.76	0.77	0.79	0.80	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82



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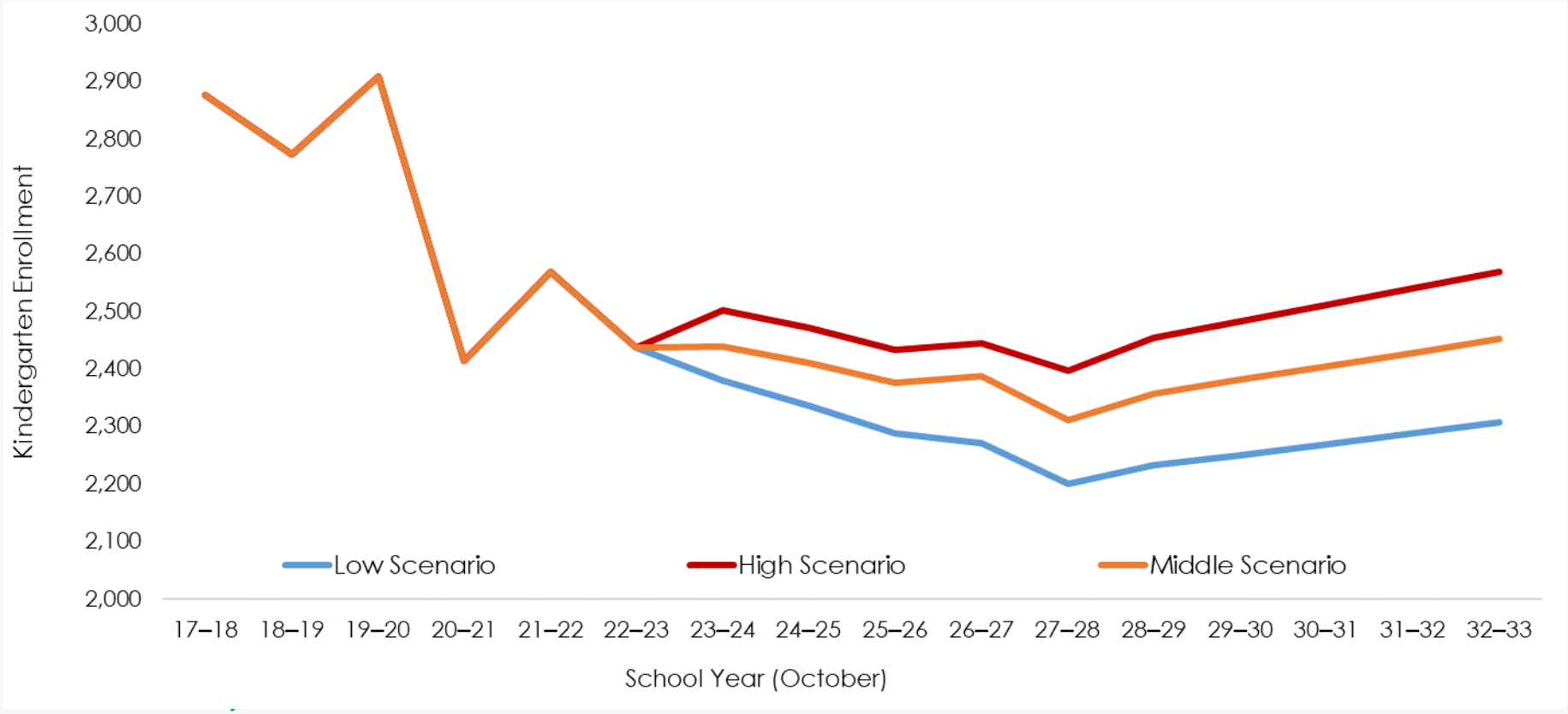
Kindergarten Enrollment Forecast Scenarios

Scenario	17–18	18–19	19–20	20–21	21–22	22–23	23–24	24–25	25–26	26–27	27–28	28–29	29–30	30–31	31–32	32–33
Low	2,876	2,774	2,909	2,415	2,569	2,437	2,379	2,336	2,288	2,271	2,200	2,232	2,251	2,270	2,289	2,308
Ratio to Births	0.85	0.81	0.88	0.74	0.76	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Middle	2,876	2,774	2,909	2,415	2,569	2,437	2,440	2,411	2,376	2,387	2,312	2,357	2,381	2,405	2,428	2,452
Ratio to Births	0.85	0.81	0.88	0.74	0.76	0.77	0.79	0.80	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82
High	2,876	2,774	2,909	2,415	2,569	2,437	2,502	2,471	2,434	2,445	2,397	2,454	2,483	2,512	2,541	2,569
Ratio to Births	0.85	0.81	0.88	0.74	0.76	0.77	0.81	0.82	0.83	0.84	0.85	0.85	0.85	0.85	0.85	0.85



Grade Progression Ratios

Grade Progression Ratios	2016–17 to 2017–18	2017–18 to 2018–19	2018–19 to 2019–20	2019–20 to 2020–21	2020–21 to 2021–22	2021–22 to 2022–23	3-year pre-COVID Average	2022–23 to 2023–24 Forecasts	2023–24 to 2024–25 Forecasts	2024–25 to 2032–33 Forecasts
K–1	1.01	1.03	1.03	0.96	1.09	1.04	1.02	1.03	1.03	1.03
1–2	0.99	1.02	1.01	0.95	1.00	1.00	1.01	1.01	1.01	1.01
2–3	0.98	1.00	1.00	0.95	0.99	1.00	1.00	1.00	1.00	1.00
3–4	1.00	1.01	1.00	0.95	1.00	1.01	1.01	1.01	1.01	1.01
4–5	0.99	1.00	1.01	0.97	1.01	1.00	1.00	1.00	1.00	1.00
5–6	1.02	1.01	1.01	0.98	1.01	1.01	1.01	1.01	1.01	1.01
6–7	1.00	1.00	1.00	0.97	1.00	0.98	1.00	1.00	1.00	1.00
7–8	0.99	1.00	0.99	0.97	1.00	0.99	0.99	0.99	0.99	0.99
8–9	1.02	1.03	1.03	1.03	1.03	1.01	1.03	1.03	1.03	1.03
9–10	0.99	1.00	1.00	0.98	0.98	1.00	1.00	1.00	1.00	1.00
10–11	0.93	0.94	0.94	0.93	0.94	0.95	0.94	0.95	0.95	0.95
11–12	0.97	0.97	0.98	0.97	1.02	1.00	0.98	1.00	1.00	1.00

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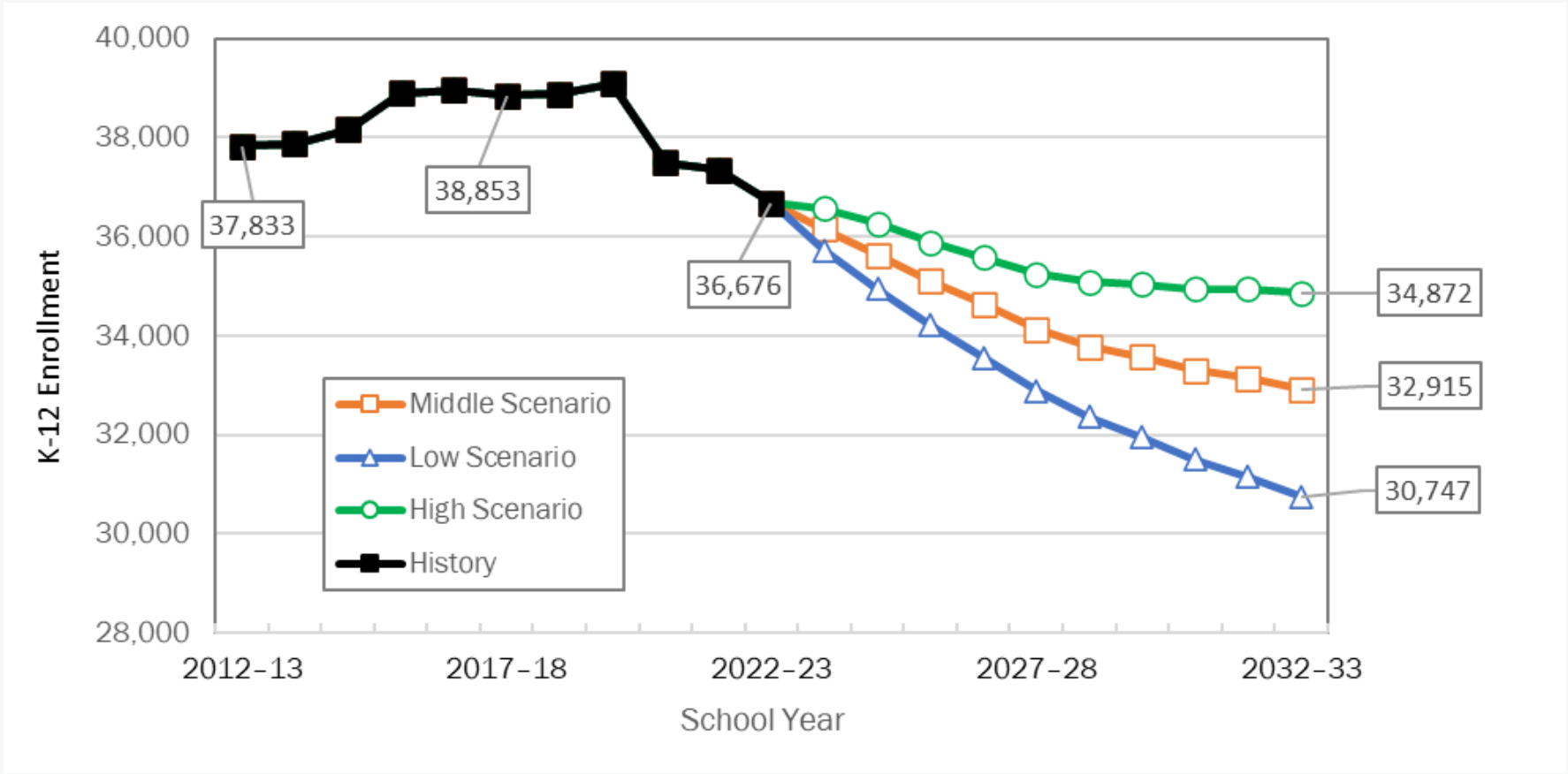
Historical and Forecasted Grade K-12 Enrollment



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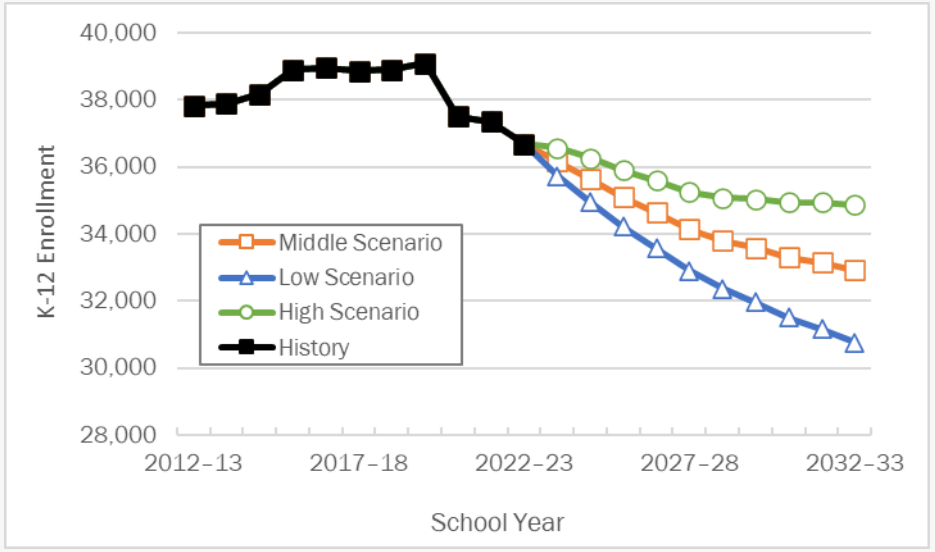
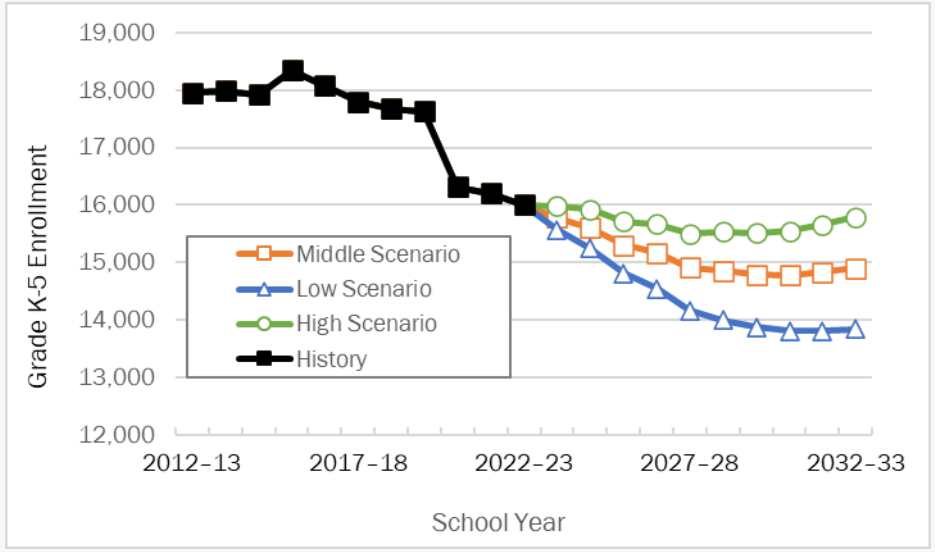
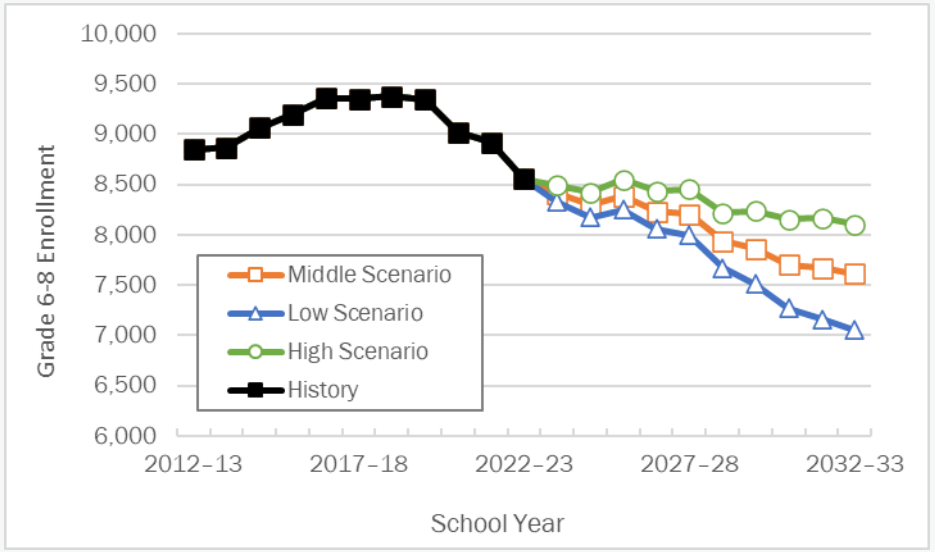
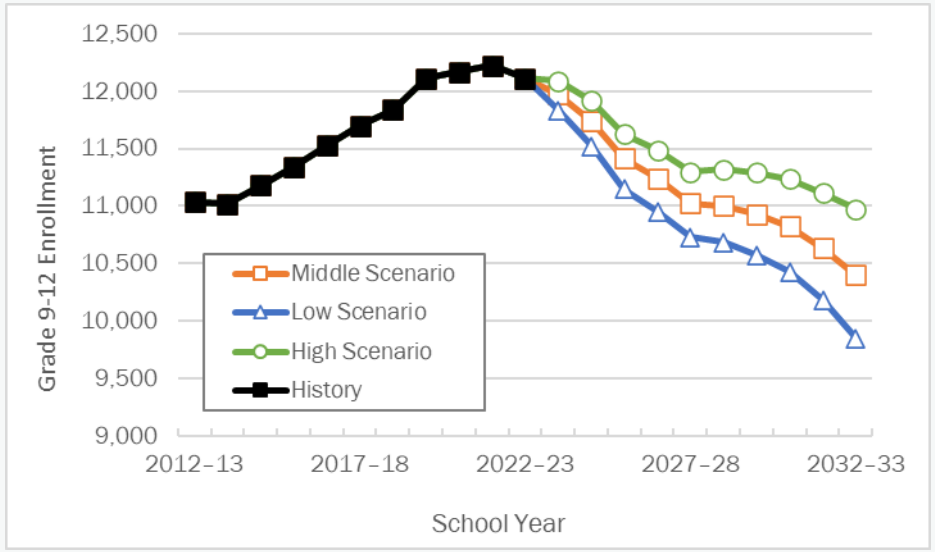
Historical and Forecasted Enrollment by Grade Group









Discussion

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