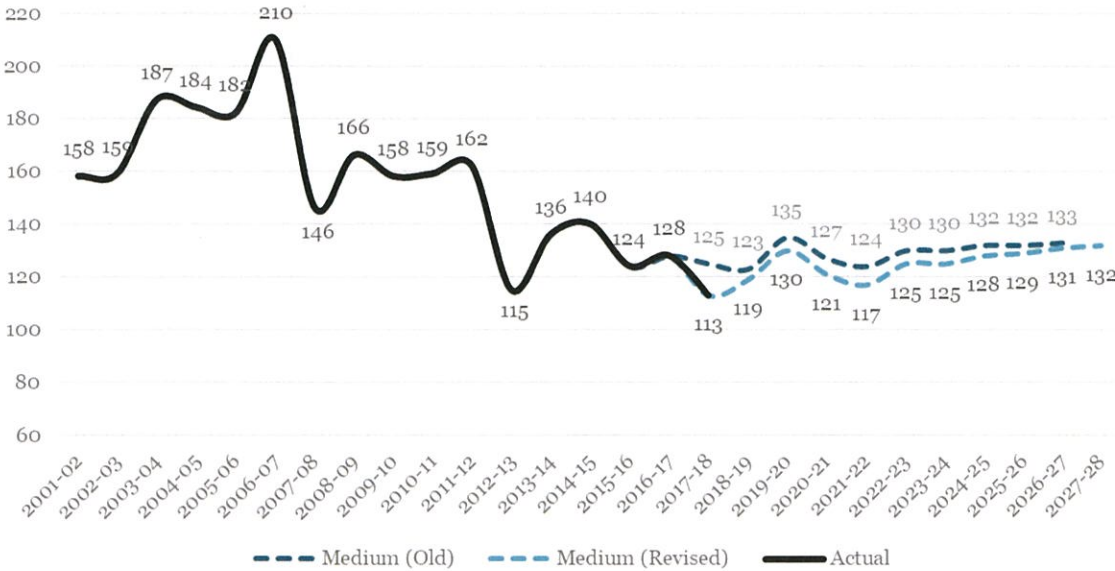


Weston Public Schools

Enrollment Projections Update, October 2017

- Comparison of Weston’s actual October 2017 enrollment figures to our recommended medium regression scenario’s enrollment numbers shows a close overall correspondence between projected and realized enrollment, with K-12 enrollment running just 4 students above projections. In-migration at the intermediate and middle grade levels exceeded projections by a small margin, while elementary enrollment ran slightly below projections due to a smaller entering kindergarten cohort.
- Our regression-based approach to projecting kindergarten enrollment was validated by the decline in kindergarten enrollment in 2017-18. The regression-based medium scenario projected 125 K enrollments, compared to 134 K students based on the traditional Birth-K persistency ratio approach. Although the regression method overshot the October 1st K count of 113 students, it showed closer alignment to actual enrollment.
- The addition of 2017-18 enrollment counts and preliminary 2017 housing sales data to the previous regression model validated the general structure of the model. The model continues to fit the data very closely ($R^2 = 0.985$). With the addition of an additional year of data, the model yields slightly lower kindergarten enrollment estimates, and responds slightly more strongly to births and less strongly to housing sales. Accordingly, the revised regression equation yields between 117 and 131 kindergarten students per year across the remainder of the 2018-19 to 2026-27 horizon, compared to a range of 123 to 133 under the previous model.

Original vs. Updated K Projections - Medium Scenario



- Updated projections through 2027-28 show a similar trajectory to the previously prepared medium scenario for Weston’s overall K-12 enrollments. At the elementary and intermediate grade levels, enrollments are projected to run slightly lower than previously projected as a result

of downwards adjustments in the size of the 2017-18 and projected future kindergarten cohorts. At the middle and high school grade levels, increased rates of student in-migration yield slightly higher enrollments beginning at the middle school level and matriculating through to grades 9-12. The net effect of these trends is slightly positive, with net differences between the previous and current projection scenarios amounting to fewer than 25 students (K-12) for all projected years. Full enrollment projections by year and grade are provided in the tables below.

- A smaller-than-projected kindergarten cohort and minor adjustments to the kindergarten projections model drive lower elementary enrollments in the near term and lower intermediate enrollments in the mid-to-long term. Excluding Pre-K students, elementary enrollments are projected to decline below 400 students for five of the next six years before rebounding. Accordingly, total PK-2 enrollment is projected to remain below 450 until the 2024-25 school year, with secondary impacts felt at the intermediate grade levels as these students progress through the system.
- Greater retention and in-migration of students entering grades 4 through 9 experienced in the 2017-18 school year will have lasting impacts on the size of the cohorts progressing through the middle and high school grade levels through the projection horizon.
- As with all enrollment projections, the revised scenario presented in this memo is sensitive to changes in underlying conditions, including birth rates, housing sales, and student migration trends.

Projected Enrollments and Percent Change by Grade Groupings, 2017-18 to 2027-28

| School Year | PK-12 Total | K-12 Total | PK-2 Total | 3-5 Total | 6-8 Total | 9-12 Total |
|-------------|----------------|---------------|---------------|--------------|--------------|---------------|
| 2017-18 | 2,329 | 2,302 | 429 | 507 | 584 | 809 |
| 2018-19 | 2,308 | 2,263 | 435 | 495 | 577 | 801 |
| 2019-20 | 2,276 | 2,231 | 436 | 484 | 576 | 780 |
| 2020-21 | 2,261 | 2,216 | 446 | 467 | 552 | 796 |
| 2021-22 | 2,220 | 2,175 | 445 | 455 | 539 | 781 |
| 2022-23 | 2,196 | 2,151 | 438 | 459 | 527 | 772 |
| 2023-24 | 2,178 | 2,133 | 442 | 470 | 509 | 757 |
| 2024-25 | 2,153 | 2,108 | 453 | 468 | 496 | 736 |
| 2025-26 | 2,140 | 2,095 | 458 | 459 | 501 | 722 |
| 2026-27 | 2,132 | 2,087 | 465 | 463 | 513 | 691 |
| 2027-28 | 2,138 | 2,093 | 469 | 476 | 510 | 683 |

5 Year Change

| | | | | | |
|-------|-------|------|-------|-------|-------|
| -5.7% | -6.6% | 2.1% | -9.5% | -9.8% | -4.6% |
|-------|-------|------|-------|-------|-------|

10 Year Change

| | | | | | |
|-------|-------|------|-------|--------|--------|
| -8.2% | -9.1% | 9.3% | -6.1% | -12.7% | -15.6% |
|-------|-------|------|-------|--------|--------|

Projected Enrollments by Grade, 2017-18 to 2027-28

Medium Regression K (Derived from Medium Regression Births), 3-Year Weighted Average Persistence

| School Year | Birth Year | Births | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | PK |
|----------------|------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 2017-18 | 2012 | 63 | 113 | 142 | 147 | 153 | 174 | 180 | 196 | 190 | 198 | 210 | 184 | 209 | 206 | 27 |
| 2018-19 | 2013 | 60 | 119 | 125 | 146 | 155 | 162 | 178 | 187 | 200 | 190 | 202 | 207 | 182 | 210 | 45 |
| 2019-20 | 2014 | 72 | 130 | 132 | 129 | 154 | 164 | 166 | 185 | 191 | 200 | 194 | 199 | 204 | 183 | 45 |
| 2020-21 | 2015 | 61 | 121 | 144 | 136 | 136 | 163 | 168 | 172 | 189 | 191 | 204 | 191 | 196 | 205 | 45 |
| 2021-22 | 2016 | 55 | 117 | 134 | 149 | 144 | 144 | 167 | 175 | 175 | 189 | 195 | 201 | 188 | 197 | 45 |
| 2022-23 | 2017 | 62 | 125 | 130 | 138 | 158 | 153 | 148 | 173 | 179 | 175 | 193 | 192 | 198 | 189 | 45 |
| 2023-24 | 2018 | 60 | 125 | 138 | 134 | 146 | 167 | 157 | 154 | 176 | 179 | 179 | 190 | 189 | 199 | 45 |
| 2024-25 | 2019 | 62 | 128 | 138 | 142 | 142 | 155 | 171 | 163 | 157 | 176 | 183 | 176 | 187 | 190 | 45 |
| 2025-26 | 2020 | 62 | 129 | 142 | 142 | 150 | 150 | 159 | 178 | 166 | 157 | 180 | 180 | 174 | 188 | 45 |
| 2026-27 | 2021 | 64 | 131 | 143 | 146 | 150 | 159 | 154 | 165 | 182 | 166 | 161 | 177 | 178 | 175 | 45 |
| 2027-28 | 2022 | 65 | 132 | 145 | 147 | 154 | 159 | 163 | 160 | 168 | 182 | 170 | 159 | 175 | 179 | 45 |