Work accomplished by DDP for Concord School District

- Created customized data set for District

- Developed District forecasts for the next 10 years (i.e. SY2019 through SY2029)

- Developed resident student forecasts for SY2019 to SY2029, by grade level for each elementary, middle school and high school attendance area.

- Analyzed current and future demographic dynamics of the district and attendance areas.
Each dot represents a student’s location.
Detailed splitting of attendance zones into smaller study areas.
Student Density – SY 2019

The areas in red indicate the highest student density in the district.
## ES Attendance Matrix – SY 2019

<table>
<thead>
<tr>
<th>Elementary Zone</th>
<th>Permanent Capacity</th>
<th>% Enrollment/Permanent Capacity</th>
<th>% Resident PK-5 Kids Enrolled</th>
<th>% Resident PK-5 Kids/Total Enrollment</th>
<th>% Resident PK-5 Kids Residing in Attendance Area</th>
<th># PK-5 Kids Residing in Attendance Area</th>
<th>ABBOT-DOWNING SCHOOL (K-5)</th>
<th>BEAVER MEADOW SCHOOL (PK-5)</th>
<th>CHRISTA MCAULIFFE SCHOOL (K-5)</th>
<th>BROKEN GROUND SCHOOL (3-5)</th>
<th>MILL BROOK SCHOOL (PK-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABBOT-DOWNING AREA</td>
<td>535</td>
<td>71.4%</td>
<td>90.3%</td>
<td>95.3%</td>
<td>75.3%</td>
<td>403</td>
<td>364</td>
<td>15</td>
<td>15</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>BEAVER MEADOW AREA</td>
<td>600</td>
<td>58.5%</td>
<td>95.0%</td>
<td>91.2%</td>
<td>56.2%</td>
<td>337</td>
<td>6</td>
<td>320</td>
<td>7</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>CHRISTA MCAULIFFE AREA</td>
<td>535</td>
<td>75.7%</td>
<td>93.9%</td>
<td>91.4%</td>
<td>73.6%</td>
<td>394</td>
<td>7</td>
<td>7</td>
<td>370</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>BROKEN GROUND / MILL BROOK AREA</td>
<td>925</td>
<td>79.9%</td>
<td>96.5%</td>
<td>96.6%</td>
<td>80.0%</td>
<td>740</td>
<td>5</td>
<td>9</td>
<td>12</td>
<td>335</td>
<td>3</td>
</tr>
</tbody>
</table>

|                             | Total In-District Enrollment | 1,874 | 382 | 351 | 404 | 344 | 355 |
|                             | Special Permission            | 3     | -   | -   | 1   | -   | -   |

|                             | Total Students Enrolled in Elementary Schools | 1,877 | 382 | 351 | 405 | 344 | 358 |
|                             | Special Permission            | 109   | 18  | 31  | 35  | 9   | -   |

*PK counts are in the resident numbers for each of the attendance areas. Beaver Meadow (36) and Mill Brook (48) host the PK enrollment for Concord.*

Helps the district track enrollment based on location.
Davis Demographics Projection Methodology

- Current K Student Counts
- Historical Birth Data
- Current Student Counts
- Historical Student Counts
- Assessor Data
- Current Student Counts

Birth Data
Applied to Kindergarten Class Only

Mobility Factors
Applied to Current Students

Student Yield Factors
Planned Residential Development

Student Projections
Historic, Current and Trending Birthrates

Blue bars = Births five years earlier
Red Bars = Kindergartners

Live Birth  K-Class Counts  Market Share
### Student Survival Cohort – SY 2019
A Modified Study Based on Student Location

<table>
<thead>
<tr>
<th>ZONE</th>
<th>G1</th>
<th>G2</th>
<th>G3</th>
<th>G4</th>
<th>G5</th>
<th>G6</th>
<th>G7</th>
<th>G8</th>
<th>G9</th>
<th>G10</th>
<th>G11</th>
<th>G12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbot Downing School</td>
<td>1.12</td>
<td>1.05</td>
<td>0.97</td>
<td>1.00</td>
<td>1.01</td>
<td>0.97</td>
<td>1.00</td>
<td>0.99</td>
<td>1.12</td>
<td>0.94</td>
<td>0.93</td>
<td>1.02</td>
</tr>
<tr>
<td>Beaver Meadow School</td>
<td>1.12</td>
<td>1.04</td>
<td>0.95</td>
<td>0.96</td>
<td>1.01</td>
<td>0.97</td>
<td>0.95</td>
<td>1.01</td>
<td>1.12</td>
<td>0.99</td>
<td>0.90</td>
<td>1.05</td>
</tr>
<tr>
<td>Christa McAuliffe School</td>
<td>1.10</td>
<td>1.02</td>
<td>1.02</td>
<td>1.00</td>
<td>0.98</td>
<td>1.02</td>
<td>0.96</td>
<td>0.99</td>
<td>1.18</td>
<td>0.95</td>
<td>0.90</td>
<td>1.05</td>
</tr>
<tr>
<td>Broken Ground &amp; Mill Brook School</td>
<td>1.07</td>
<td>1.00</td>
<td>1.01</td>
<td>1.01</td>
<td>0.94</td>
<td>0.97</td>
<td>0.98</td>
<td>1.02</td>
<td>1.16</td>
<td>0.99</td>
<td>0.91</td>
<td>1.03</td>
</tr>
</tbody>
</table>

- Determined from 4 years current/historical mapped student data.
- Tracks the percentage gain or loss for each grade level as students progress through the grades.
- Factors are applied at the elementary attendance area
- Addresses move-ins/outs, private school movement, attrition at upper grades

**GREEN** = net increase from one grade to another
**RED** = net decrease from one grade to another
**BLUE** = no change / straight pass through
Historic, Current and Forecasted Student Counts

Historic, Current and Forecasted counts represent the actual or forecasted enrollment.
Historic, Current and Forecasted Student Counts

Grades PK to 5th

Historic, Current and Forecasted counts represent the actual or forecasted enrollment.
Historic, Current and Forecasted Student Counts

Grades 6th to 8th

Historic, Current and Forecasted counts represent the actual or forecasted enrollment.
Historic, Current and Forecasted Student Counts

Grades 9th to 12th

Historic, Current and Forecasted counts represent the actual or forecasted enrollment.
Projected Change in Elementary Student Population by Zone

Over Ten Years

-48.4 Abbot-Downing
35.3 Beaver Meadow
30.2 McAuliffe
-4.9 Broken Grd / Mill Brook
### Projected Changes over Ten Years – PK-5

<table>
<thead>
<tr>
<th>ES Zones</th>
<th>Resident Students Change (PK-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-21.0 - -10.5</td>
</tr>
<tr>
<td></td>
<td>-10.5 - -0.9</td>
</tr>
<tr>
<td></td>
<td>No change</td>
</tr>
<tr>
<td></td>
<td>0.9 - 14.0</td>
</tr>
<tr>
<td></td>
<td>14.0 - 28.0</td>
</tr>
</tbody>
</table>

Deep red indicates area of growth.
Projected Changes over Ten Years – G6-G8

ES Zones
Resident Students Change (6-8)
-13.0 -  -6.5
-6.5 -  -0.9
No change
0.9  -  7.0
7.0  -  14.0
Projected Changes over Ten Years – G9-G12

Resident Students Change (9-12)
-15.0  -  -7.5
-7.5  -  -0.9
No change
0.9  -  6.5
6.5  -  13.0
## Current and Forecasted Student Enrollment

<table>
<thead>
<tr>
<th></th>
<th>Current SY 2019</th>
<th>Forecast Five Years Out SY 2024</th>
<th>Forecast Ten Years Out SY 2029</th>
</tr>
</thead>
<tbody>
<tr>
<td>PK-5</td>
<td>1,877</td>
<td>1,889</td>
<td>1,889</td>
</tr>
<tr>
<td>6-8</td>
<td>954</td>
<td>830</td>
<td>864</td>
</tr>
<tr>
<td>9-12</td>
<td>1,592</td>
<td>1,488</td>
<td>1,372</td>
</tr>
<tr>
<td>PK-12</td>
<td>4,423</td>
<td>4,208</td>
<td>4,125</td>
</tr>
</tbody>
</table>
Key Items in the District-wide Analysis of this Study:

• Overall, the student population for Concord School District is expected to decrease in enrollment over the next ten years.

• Currently there are no proposed or active residential developments in the city that would add significantly to the existing enrollment.

• Concord introduced all day kindergarten this year creating an enrollment increase in one zone and created the largest collection in student to births.

• The District’s high school population may continue to experience loss in enrollment through SY2027 with an enrollment nearing 1,350 students.

• The District’s middle school population (grades 6-8) is projected to decline annually starting SY2020 with an annual loss of 14-49 students per year.

• The elementary school population (PK – 5) is projected to be stable compared to the middle and high school grades after experiencing declines the last four years.