



**School Committee
Meeting Book**

**December 16, 2020
7:00 pm**

**Town Hall -100 Maple Avenue
Selectmen's Meeting Room**



SHREWSBURY PUBLIC SCHOOLS SCHOOL COMMITTEE MEETING

AGENDA

December 16, 2020 7:00pm
Town Hall—Selectmen's Meeting Room
100 Maple Avenue

THIS MEETING IS NOT OPEN TO PHYSICAL PARTICIPATION BY THE PUBLIC. TOWN HALL IS CLOSED TO THE PUBLIC FOR MEETINGS. THIS MEETING WILL BE BROADCAST LIVE ON LOCAL CABLE CHANNELS 29 & 329 AND STREAMED LIVE ON THE SHREWSBURY MEDIA CONNECTION WEBSITE AT <https://videoplayer.telvue.com/player/iE0p5N2b-Se5BhxS-3KDrHfUWzLHfku2/stream/722>. SEE BELOW FOR INFORMATION ON CONTACTING THE CHAIR OF THE SCHOOL COMMITTEE RE: PUBLIC PARTICIPATION.

On March 12, 2020, Governor Baker issued an Executive Order modifying certain requirements of the Open Meeting Law, to enable public bodies to carry out their responsibilities while adhering to public health recommendations regarding social distancing.

The Executive Order relieves public bodies from the requirement in the Open Meeting Law that meetings be conducted in a public place that is open and physically accessible to the public, provided that the public body makes provision to ensure public access to the deliberations of the public body through adequate, alternative means. "Adequate, alternative means" may include, without limitation, providing public access through telephone, internet, or satellite enabled audio or video conferencing or any other technology that enables the public to clearly follow the proceedings of the public body in real time. A municipal public body that for reasons of economic hardship and despite best efforts is unable to provide alternative means of public access in real time may instead post on its municipal website a full and complete transcript, recording, or other comprehensive record of the proceedings as soon as practicable afterwards.

In addition, all members of a public body may participate in a meeting remotely; the Open Meeting Law's requirement that a quorum of the body and the chair be physically present at the meeting location is suspended.

All other provisions of the Open Meeting Law, such as the requirements regarding posting notice of meetings and creating and maintaining accurate meeting minutes, as well as the limited, enumerated purposes for holding an executive session, remain in effect.

While for this meeting the School Committee and members of the School Department administrative team will physically meet at the location listed above, members of the public may not attend in person. If a member of the public wishes to participate remotely in the Public Participation portion of the meeting, they should contact the Committee Chair, Ms. Sandra Fryc, by sending an email to schoolcommittee@shrewsbury.k12.ma.us.

Items

Suggested time allotments

- I. Public Participation
- II. Chairperson's Report & Members' Reports
- III. Superintendent's Report
- IV. Time Scheduled Appointments:
 - A. Update on Reopening of the 2020-2021 School Year: Report
 - B. Update on Beal School Construction Project: Report
 - C. Update on Elementary Redistricting Project: Report
- V. Curriculum
- VI. Policy

7:00-7:05

7:05 – 7:30
7:30 – 7:50
7:50 – 8:25



SHREWSBURY PUBLIC SCHOOLS SCHOOL COMMITTEE MEETING

- VII. Finance & Operations
 - A. Recommendation for 1:1 iPad Deployment for Grades K-4: Report 8:25 – 8:45
- VIII. Old Business
- IX. New Business
- X. Approval of Minutes 8:45 – 8:50
- XI. Executive Session 8:50 – 9:15
 - A. For the purpose of addressing G.L. c. 30A, § 21(a)(7) “[t]o comply with, or act under the authority of, any general or special law or federal grant-in-aid requirements” (“Purpose 7”), Open Meeting Law, G.L. c. 30A, §§ 22(f), (g) – for the purpose of reviewing, approving, and/or releasing executive session minutes.
 - B. For the purpose of addressing G.L. c. 30A, § 21(a)(3) “to discuss strategy with respect to collective bargaining or litigation if an open meeting may have a detrimental effect of the bargaining or litigating position of the public body and the chair so declares” (“Purpose 3”) - the Shrewsbury Education Association Unit A.
- XII. Adjournment 9:15

Next regular meeting: January 6, 2021



SHREWSBURY PUBLIC SCHOOLS SCHOOL COMMITTEE MEETING

ITEM NO: I Public Participation

MEETING DATE: 12/16/20

SPECIFIC STATEMENT OR QUESTION:

Will the School Committee hear thoughts and ideas from the public regarding the operations and the programs of the school system?

BACKGROUND INFORMATION:

Copies of the policy and procedure for Public Participation are available to the public at each School Committee meeting.

ITEM NO: II. Chairperson's Report/Members' Reports

SPECIFIC STATEMENT OR QUESTION:

Will the School Committee hear a report from the Chairperson of the School Committee and other members of the School Committee who may wish to comment on school affairs?

BACKGROUND INFORMATION:

This agenda item provides an opportunity for the Chairperson and members of the Shrewsbury School Committee to comment on school affairs that are of interest to the community.

STAFF AVAILABLE FOR PRESENTATION:

School Committee Members
Ms. Sandra Fryc, Chairperson
Mr. Jon Wensky, Vice Chairperson
Dr. B. Dale Magee, Secretary
Ms. Lynsey Heffernan, Committee Member
Mr. Jason Palitsch, Committee Member

ITEM NO: III. Superintendent's Report

SPECIFIC STATEMENT OR QUESTION:

Will the School Committee hear a report from Dr. Joseph M. Sawyer, Superintendent of Schools?

BACKGROUND INFORMATION:

This agenda item allows the Superintendent of the Shrewsbury Public Schools to comment informally on the programs and activities of the school system.

STAFF AVAILABLE FOR PRESENTATION:

Dr. Joseph M. Sawyer, Superintendent of Schools

ACTION RECOMMENDED FOR ITEMS I, II, & III:

That the School Committee accept the report and take such action as it deems in the best interest of the school system.



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **IV. Time Scheduled Appointments:** MEETING DATE: **12/16/20**
A. Update on Reopening of the 2020-2021 School Year: Report

BACKGROUND INFORMATION:

Dr. Sawyer and members of the leadership team will provide an update on the reopening of schools for students for the 2020-2021 school year.

ACTION RECOMMENDED:

That the School Committee hear the report and take such action as it deems in the best interest of the school system.

STAFF AVAILABLE FOR PRESENTATION:

Dr. Joseph M. Sawyer, Superintendent of Schools
District Administrators



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: IV. Time Scheduled Appointments: MEETING DATE: 12/16/20
B. Update on Beal School Construction Project: Report

BACKGROUND INFORMATION:

Ms. Crockett, the Project Architect from the town's design firm of LPA/A, will provide an update on the Beal School Construction Project.

ACTION RECOMMENDED:

That the School Committee hear the report and take such action as it deems in the best interest of the school system.

STAFF AVAILABLE FOR PRESENTATION:

Dr. Joseph M. Sawyer, Superintendent of Schools
Mr. Patrick C. Collins, Assistant Superintendent for Finance & Operations
Ms. Kathryn Crockett, President, LPA/A



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: IV. Time Scheduled Appointments: MEETING DATE: 12/16/20
C. Update on Elementary Redistricting Project: Report

BACKGROUND INFORMATION:

The opening of the new Major Howard W. Beal School for students in grades K-4 in the fall of 2021 will require redistricting of elementary school attendance zones at Shrewsbury Public Schools. In September 2019, the Committee voted to establish an ad hoc committee tasked with applying guiding principles provided by the School Committee when considering information, reviewing options, and making recommendations for the redistricting of elementary school attendance zone boundaries to take effect when the new Beal School opens. Dr. Sawyer and Mr. Collins presented a project update to the Committee most recently in November. Since then the Redistricting Committee has continued to meet regularly and a Community Forum on redistricting was held on December 1. Tonight's update will include information on the redistricting project process to date, with a presentation from the team from AppGeo, the geographic information system consultant who is working with the district on this project.

ACTION RECOMMENDED:

That the School Committee hear the report and take such action as it deems in the best interest of the school system.

STAFF AVAILABLE FOR PRESENTATION:

Dr. Joseph M. Sawyer, Superintendent of Schools
Mr. Patrick Collins, Assistant Superintendent for Finance & Operations
Ms. Kate Hickey, Principal in Charge, AppGeo
Ms. Priya Sankalia, Project Manager, AppGeo
Ms. Ashley Tardif, Geospatial Analyst, AppGeo
Mr. Bob Scardamalia, President, RLS Demographics



Shrewsbury School Redistricting School Committee Presentation

December 16, 2020



Agenda

1. Introductions
2. Project Background
3. School Committee Guiding Principles
4. Redistricting & Demographic Process & Workflow
5. Student Distribution
6. Timeline/Next Steps
7. Questions/Feedback



Introductions

The Redistricting Team

Shrewsbury School Committee Representatives

- Sandra Fryc, School Committee, Chairperson
- Jon Wensky, School Committee, Vice Chairperson

Shrewsbury Public School Staff

- Joe Sawyer, Superintendent of Schools
- Patrick Collins, Asst. Superintendent for Finance and Operations
- Tiffany Ostrander, Principal, Calvin Coolidge School
- Bryan Mabie, Principal, Spring Street School

The Redistricting Team

Parent Representatives

- Shannon Creedon, Parent, Walter J. Paton School
- Rajesh Velagapudi, Parent, Floral Street School
- Christine Jasinski, Parent, Calvin Coolidge School
- Terrick Andey, Parent, Beal Early Childhood Center
- Sanam Zaer, Parent, Spring Street School

AppGeo (Consultant)

- Kate Hickey, Principal in Charge
- Priya Sankalia, Project Manager
- Ashley Tardif, Geospatial Analyst

RLS Demographics (Consultant)

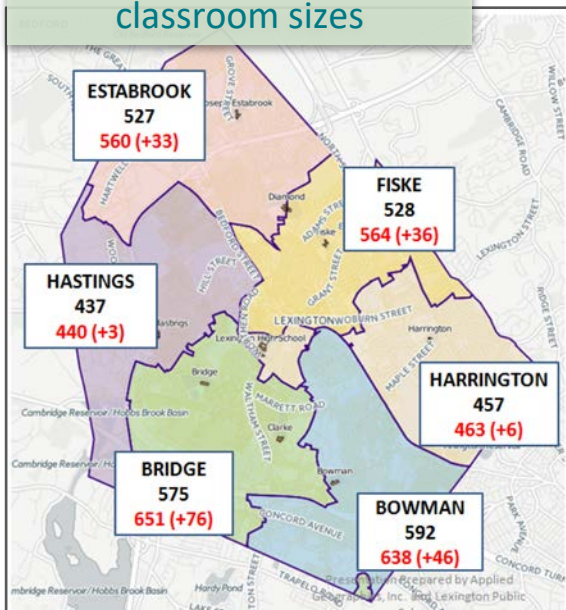
- Bob Scardamalia



AppGeo's Experience with MA School Districts

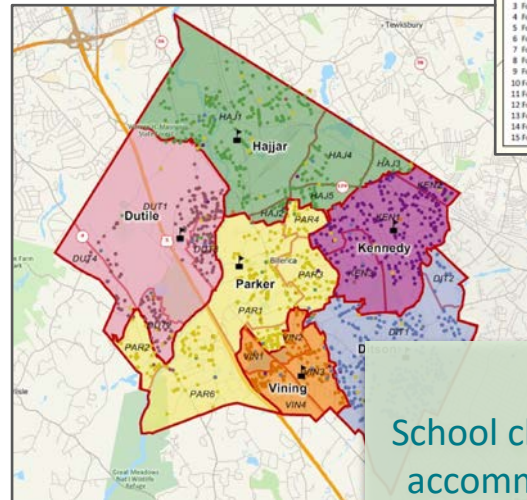
Lexington

Increased enrollment and
need for balancing
classroom sizes



Newton

New school opening needed to balance enrollment



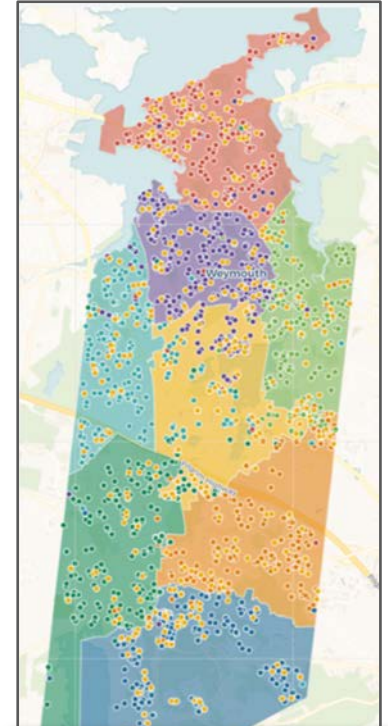
Billerica

School closing, needed to accommodate students



Weymouth

Low enrollment;
need a strategy for
elementary and
middle school
configurations



RLS Demographics (Bob Scardamalia)

Experience



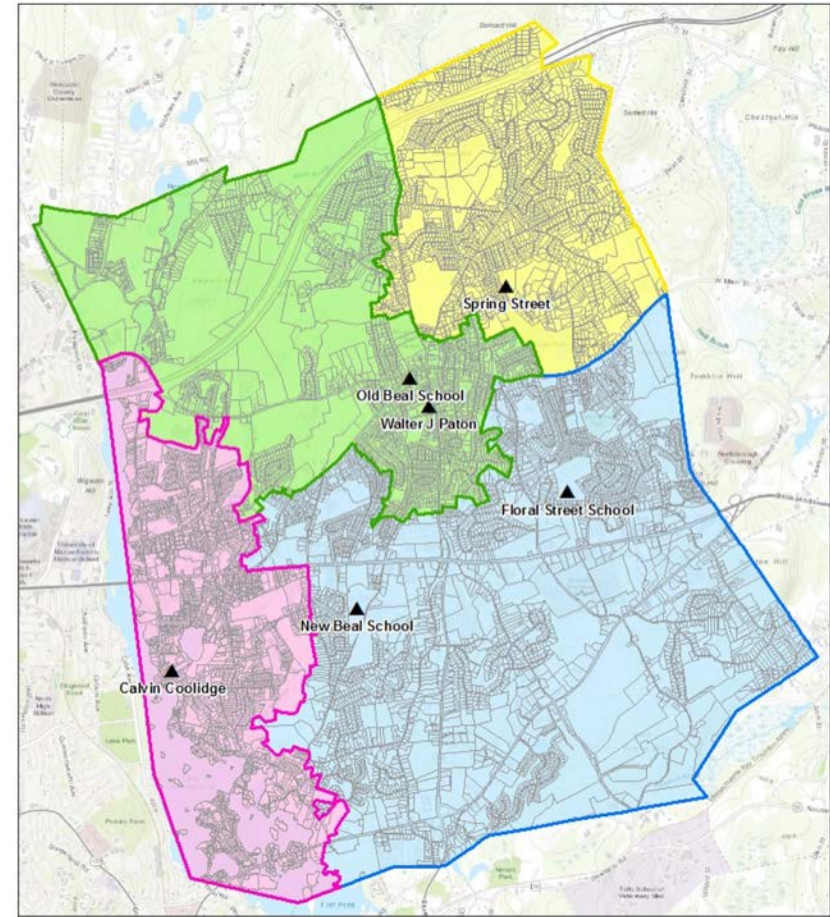
- 20 years as **Chief Demographer** for the State of New York
- **Adjunct Professor** at State University of New York at Albany
- Served on numerous state and national advisory committees for **Census Bureau** and Federal Statistics Agencies
- Authored number of books on changing demographics in the US including 'Aging in America'
- Has been producing local area **population projections** for more than 3 decades



Project Background

Project Goals & Objectives

- Beal Early Childhood Center being replaced by a new 790 seat K-4 elementary school
- Realign all elementary schools into K-4 configuration
- Create scenarios to reduce enrollment at all elementary schools to relieve overcrowding and assign students to new Beal School
- Develop and use district projections to evaluate and adjust scenarios



Why do we need a redistricting plan?

- Enrollment Growth
 - Historical and projected enrollment growth
- Overcrowded Schools/Lack of space for allied arts and specialized spaces
 - Spring, Paton, and Coolidge
- Providing access to full day kindergarten for all students
 - Only 24 Massachusetts schools districts don't have full day kindergarten for all of their students
- Planned new housing developments
 - Edgemere and The Pointe at Hills Farm
- New Beal under construction

Capacity/Target

Current Configuration				Target Configuration			
<i>School</i>	<i>Core Classrooms</i>	<i>Actual Enrollment</i>	<i>Config</i>	<i>School</i>	<i>Core Classrooms</i>	<i>Target Enrollment</i>	<i>Config - K-4</i>
Coolidge	19	405	FDK-4	Coolidge	15	308	3 sections
Paton	16	362	FDK-4	Paton	15	308	3 sections
Spring	17	351	FDK-4	Spring	15	308	3 sections
Floral	32	723	1-4	Floral	30	608	6 sections
Sub Total		1841		Sub Total		1532	
Beal ECC	13	311	HDK, FDK & 1	New Beal	40	790	8 sections
Total		2152		Total		2322	

The target configuration projects enrollment growth out to 2025 with all classroom averages within school committee guidelines by grade level. This plan also provides a parity of spaces across all elementary schools.



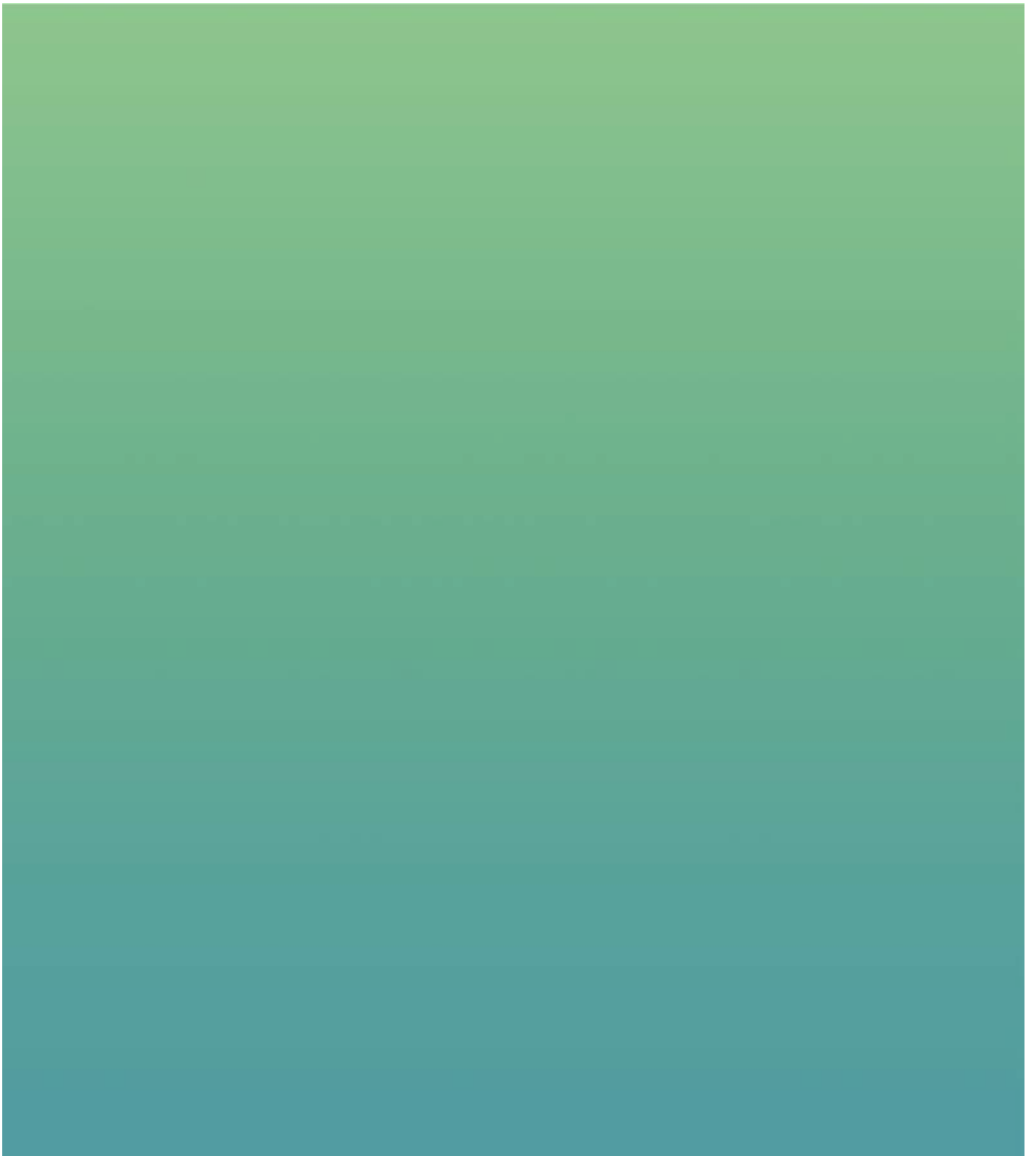
School Committee Guiding Principles

School Committee Guiding Principles

- **Ensure educational needs are met**
 - Student educational needs will be met regardless of school assignment.
- **Ensure availability of dedicated instructional spaces.**
 - Student population must be distributed so that each school has sufficient, appropriate, dedicated instructional spaces.
- **Emphasize “neighborhood school” approach.**
 - School assignments will be determined by drawing attendance zone boundaries and should emphasize a "neighborhood school" approach by prioritizing geographic proximity of home to school for walkability and efficient transportation, while keeping geographic entities intact. Neither a parental “school choice” model nor a lottery for school enrollment will be used.

School Committee Guiding Principles

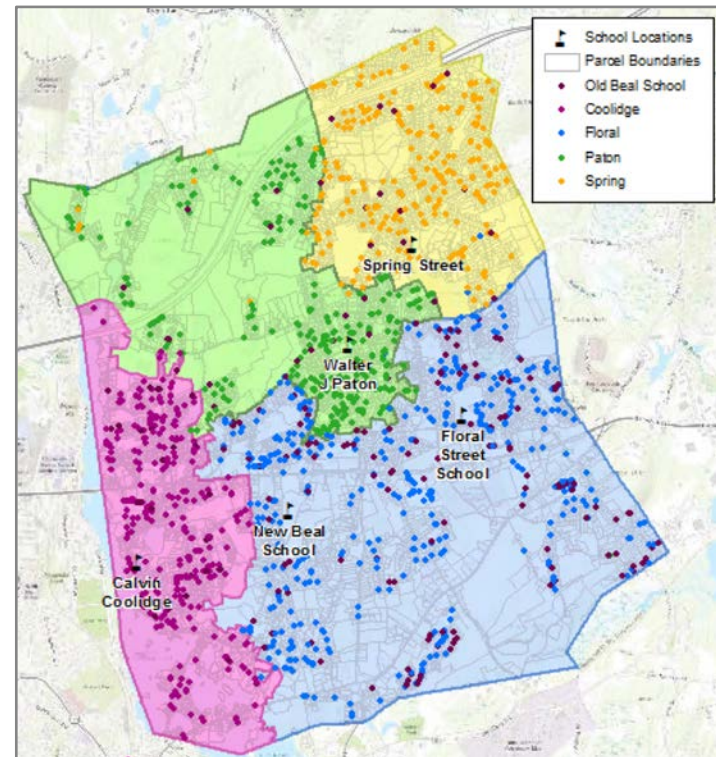
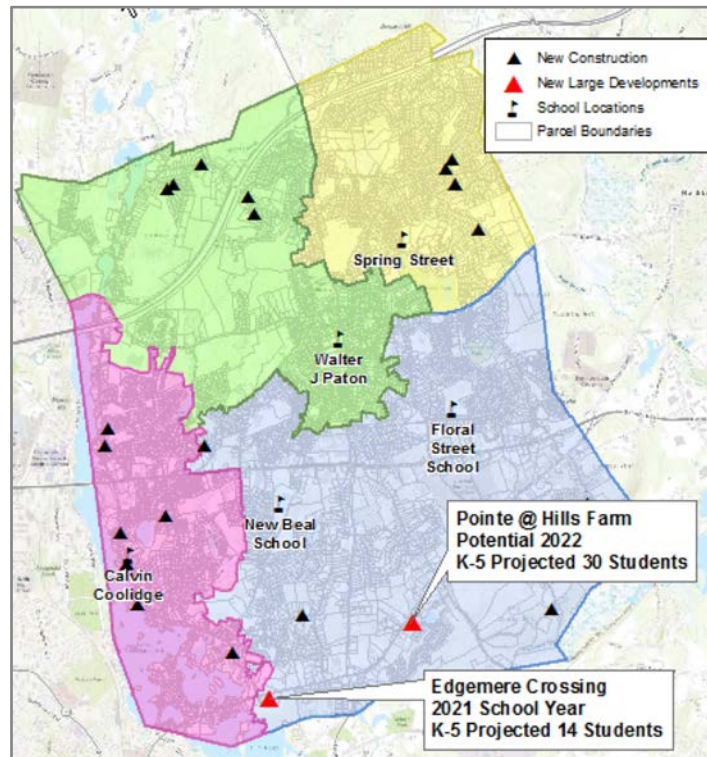
- **Consider student demographics**
 - Student demographics should be taken into account when redistricting school attendance zones.
- **Account for future development/growth in the plan**
 - Future potential population growth should be considered when establishing attendance zones.
- **Minimize change**
 - Changes of school assignments for existing students should be minimized to the greatest extent possible within the context of the other priorities.
- **Work with other district initiatives**
 - The redistricting process should work in concert with other district initiatives where possible.



Redistricting Process & Workflow

Data Gathering & Analysis

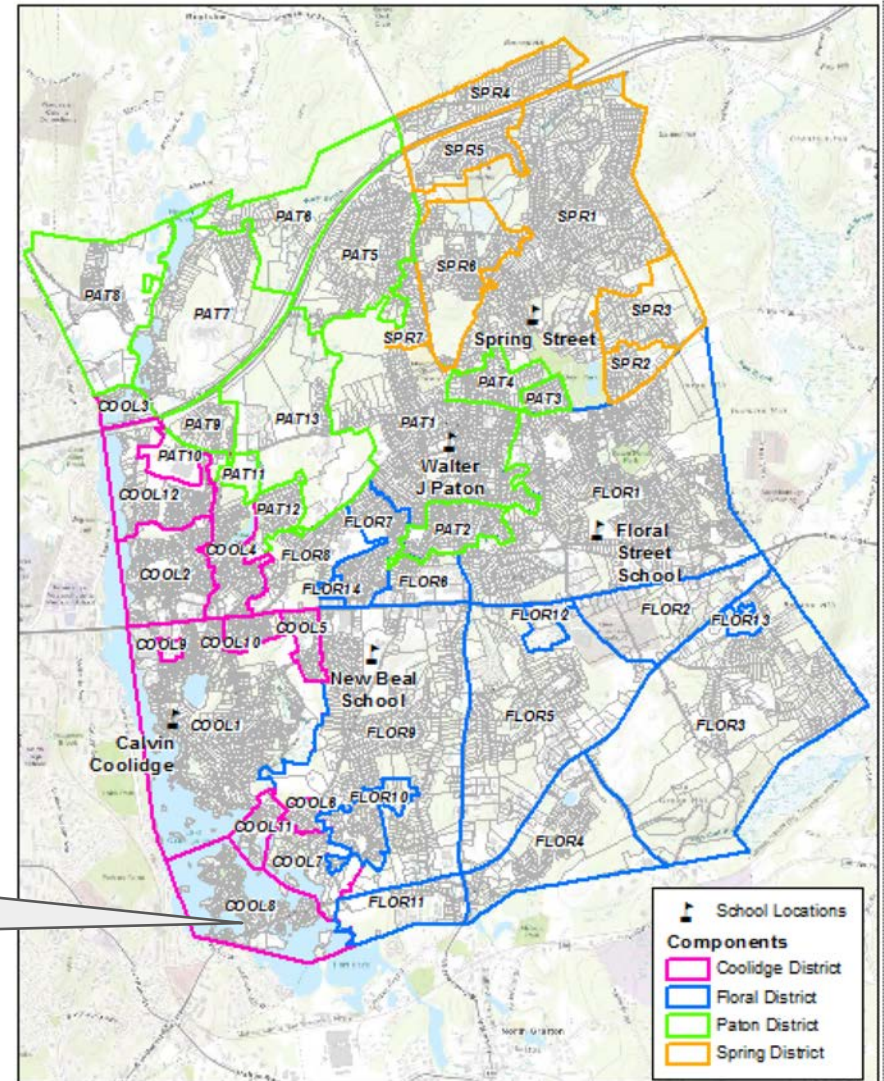
Current student locations were geocoded. Additional background information was mapped including planned developments, sale history, land use, student demographics etc.



Components as Scenario Building Blocks

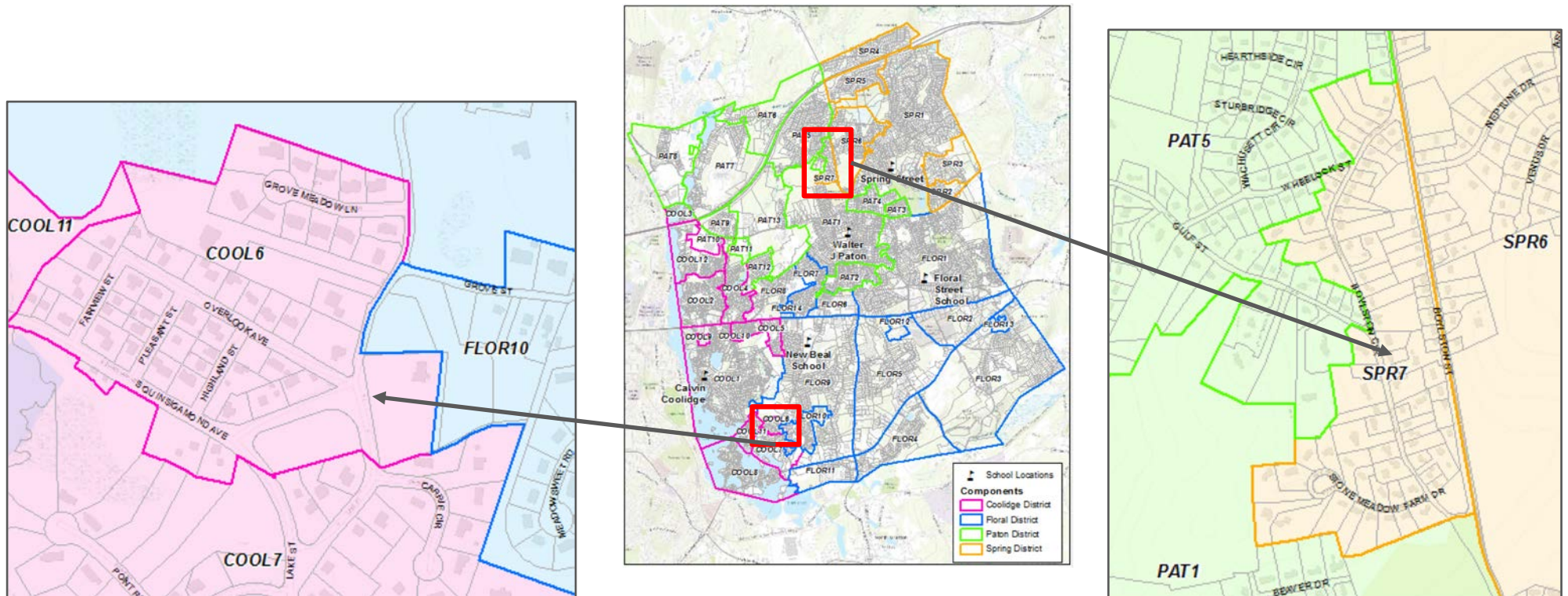
- Components are building blocks or tools to build scenarios.
- These were delineated collaboratively with significant input from the committee, with intimate knowledge of the town.

For example, Edgemere is a component labeled "Coolidge 8"



Components as Scenario Building Blocks

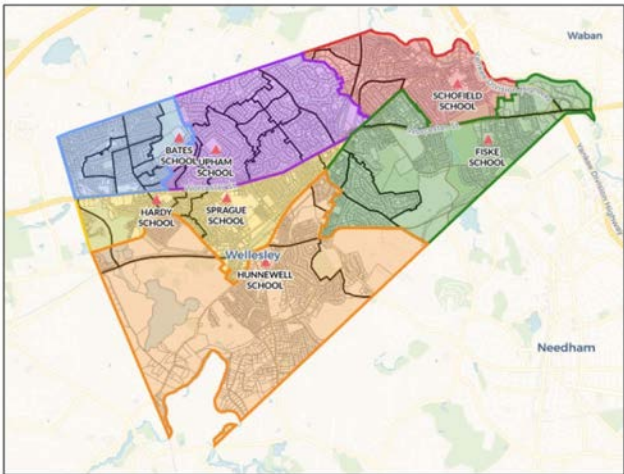
- Close attention was paid to neighborhoods and natural boundaries when identifying the components.
- A total of 46 components were delineated giving us flexibility



Scenario Building Process (Examples)

Scenarios are being built collaboratively using the components. A scenario consists of new district boundaries created as a combination of components. Every scenario is presented with capacity and demographic information.

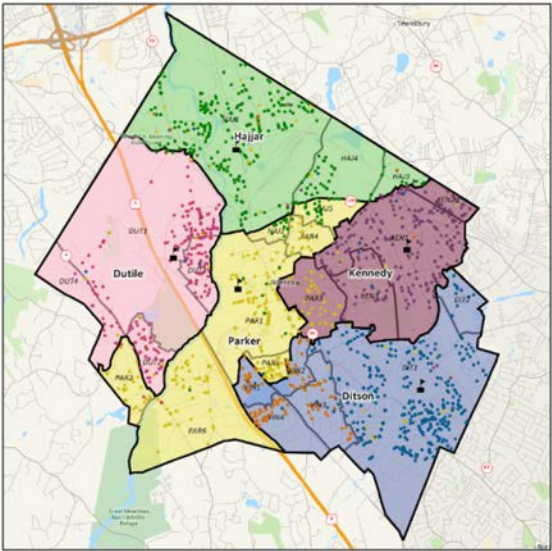
Upham Map 4



Wellesley Public Schools



Scenario 1C: Elementary School



Billerica Public Schools

AppGeo

Scenario Change and Scenario Totals - by Grade					
District	K Change	1 Change	2 Change	3 Change	4 Change
Ditson	+12	+34	+32	+29	+29
Duttle	0	0	0	0	0
Hajjar	-7	-6	-6	-5	-3
Kennedy	+8	+8	+6	+16	+8
Parker	+2	+1	+1	-8	-1

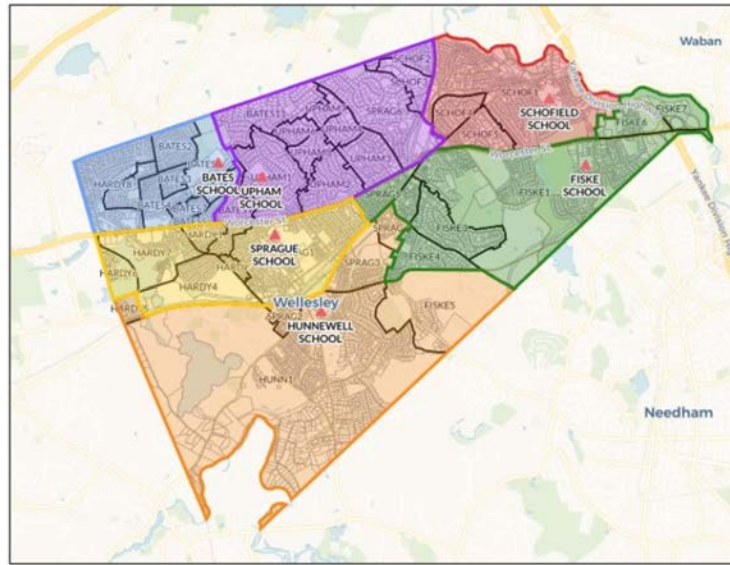
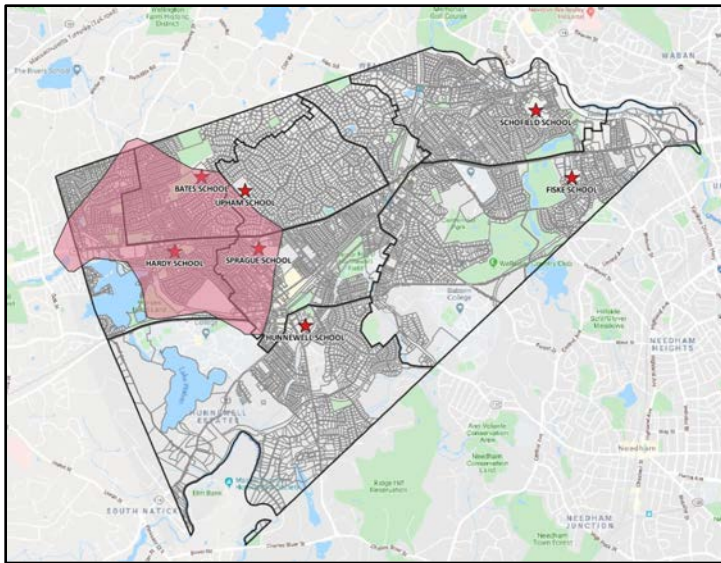
District	Future Grade K	Future Grade 1	Future Grade 2	Future Grade 3	Future Grade 4
Ditson	96	107	121	111	126
Duttle	51	45	46	43	49
Hajjar	71	68	71	75	63
Kennedy	56	61	48	84	64
Parker	80	84	77	91	77

Scenario Totals - by District						
District	K Thru 4	Total Capacity	Percent Capacity	Capacity with Modularity	% Capacity	% Low Income
Ditson	561	660	85%	---	---%	15%
Duttle	235	200	118%	300	78%	13%
Hajjar	348	420	83%	460	76%	15%
Kennedy	313	320	98%	340	92%	11%
Parker	409	480	85%	---	---%	15%



Scenario Evaluation Process

Each scenario is evaluated against the *school committee guiding principles*, by identifying pros and cons. Additional details including projections, changes by grade, walkability, drivability are used for evaluation with a strong emphasis on *keeping neighborhoods* intact and *balancing projected enrollment* across all schools.



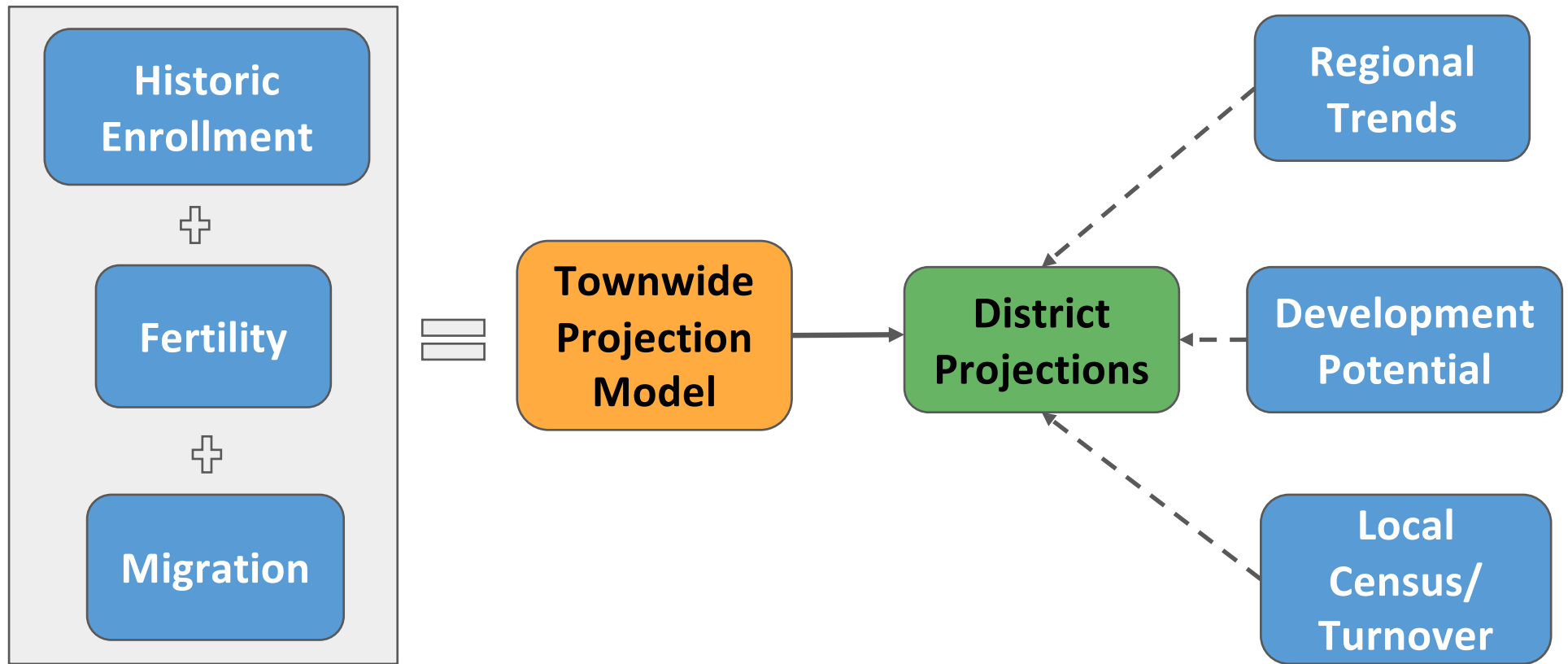
Upham Map 7

Residential Properties in Assigned District Under, 0.5, 1, and 2 miles from School

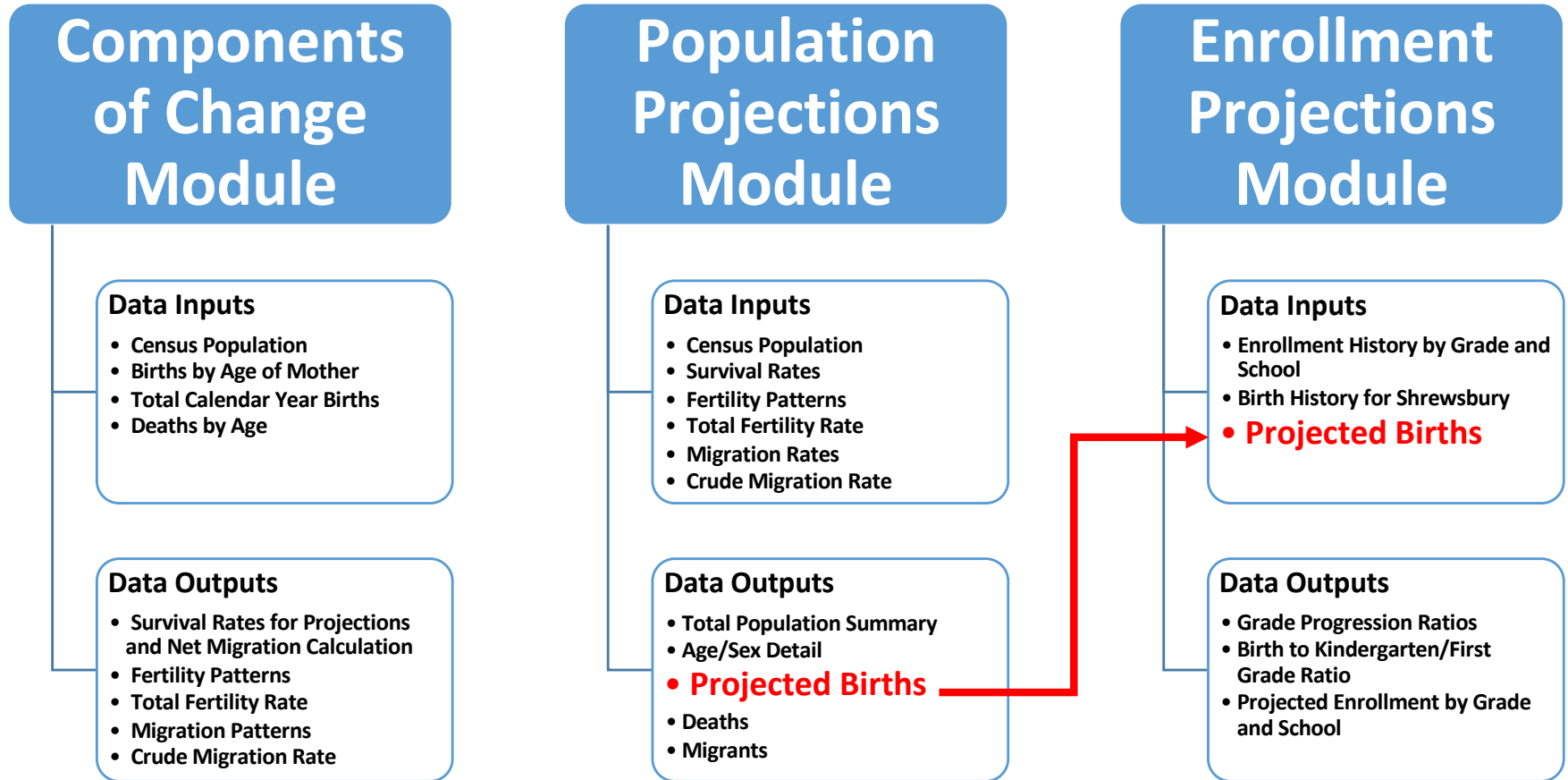
District	% Under 1/2 Mile	% Under 1 Mile	% Under 2 Miles
Bates	15%	54%	100%
Fiske	20%	30%	58%
Hunnewell	14%	70%	98%
Schofield	29%	84%	100%
Sprague	20%	69%	96%
Upham	12%	50%	93%

District	% Under 1/2 Mile	% Under 1 Mile	% Under 2 Miles
Current Scenario	22%	61%	90%
Scenario 5	17%	56%	91%
Scenario 6	17%	57%	93%
Scenario 7	18%	58%	91%

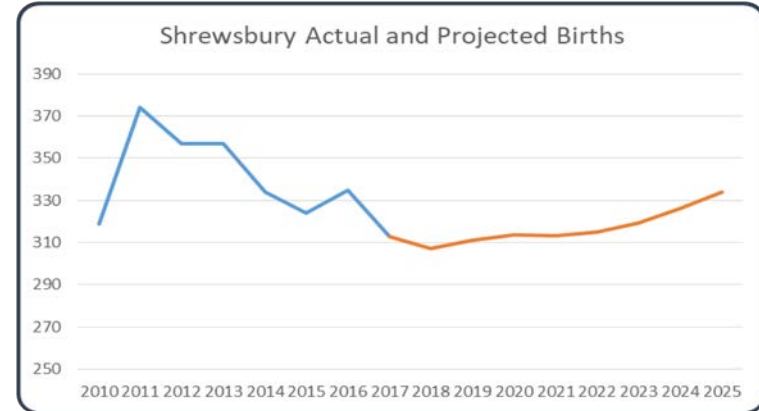
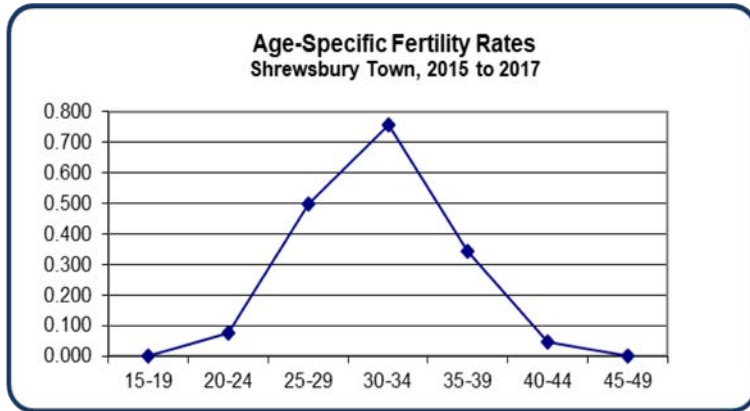
Projected Enrollments & Demographics



Projecting Enrollments



Fertility Analysis and Births

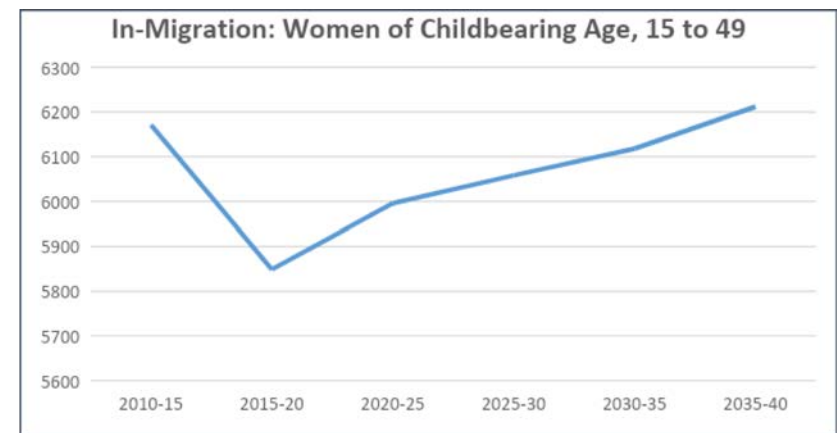
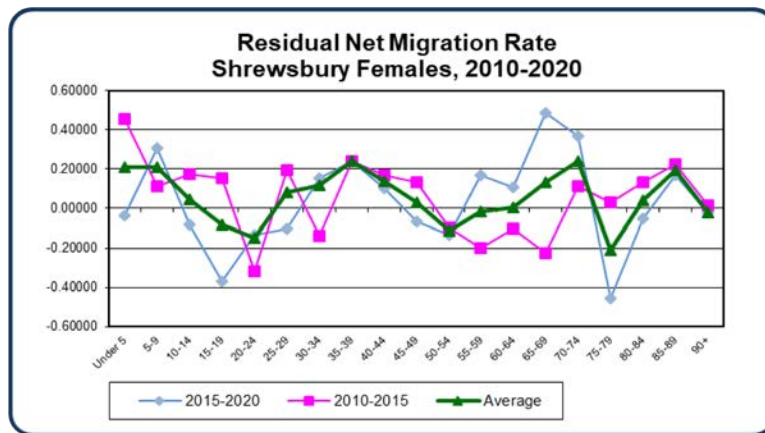


	Projected Total Fertility Rate					
	2010-15	2015-20	2020-25	2025-30	2030-35	2035-40
Shrewsbury Town	1.72	1.69	1.70	1.72	1.72	1.72

Fertility Assumptions

- There will be continued delay of marriage and childbearing
- Peak fertility rates are in the 25-29 and 30-34 ages and are projected to continue
- U.S. births declined by 1% in 2019 to 3.75 million, the lowest since 1985
- Birth rates fell for women in their 20's and early 30's rising for those in their early 40's

Migration Analysis and Female Migrants



		Projected Crude Migration Rate					
		2010-15	2015-20	2020-25	2025-30	2030-35	2035-40
Shrewsbury	Male	5.50	5.50	6.00	6.00	6.00	6.00
	Female	5.00	5.00	5.50	6.00	6.00	6.00

Migration Assumptions

- 5-Year estimates have a lot of noise.
- The average and smoothing adds to the stability of the pattern
- This age pattern of migration is held constant through the projection period (2040)
- Highest female in-migration is in the 25 to 49 year age range
- The Crude Migration Rate is used to guide the assumption of future migration

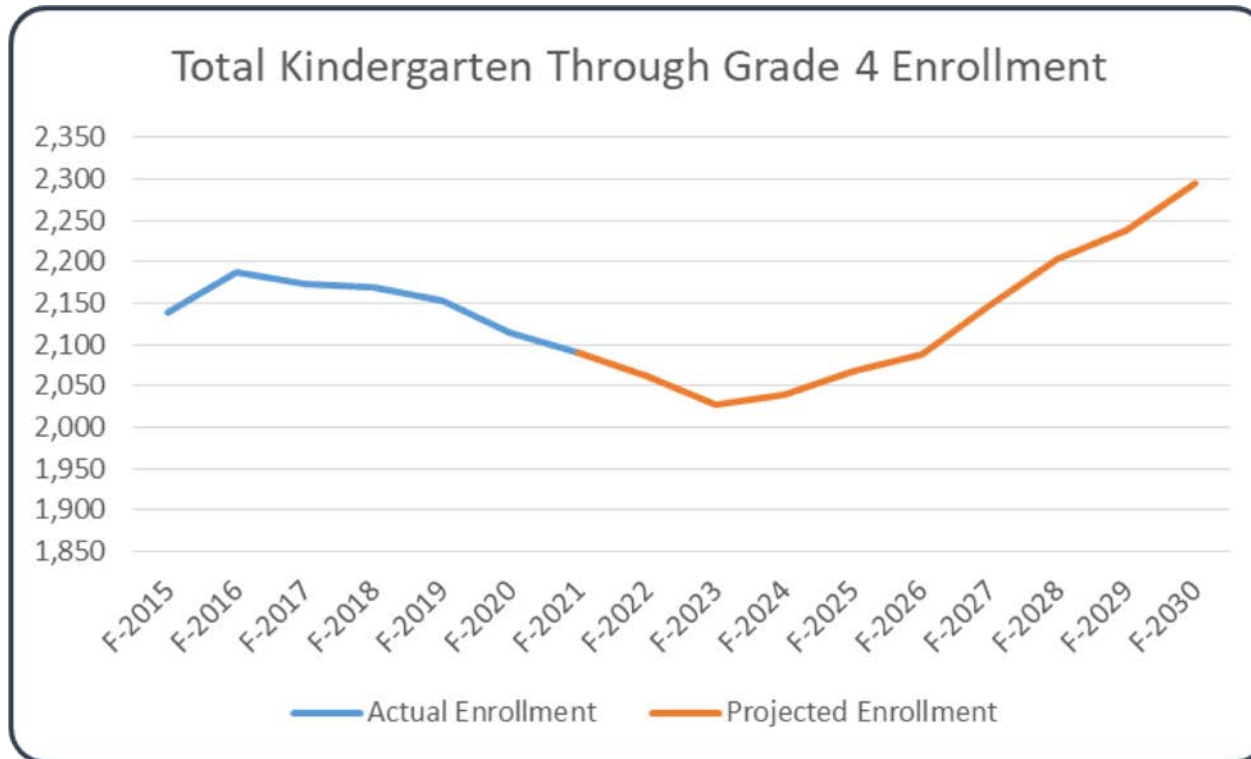
Shrewsbury Town Projection Results, 2010 to 2040

Shrewsbury	2010	2015	2020	2025	2030	2035	2040
Total Population	35,608	37,663	39,495	41,573	43,999	46,354	48,564
Female Population	18,243	19,080	19,832	20,740	21,874	22,973	23,956
Females 15 to 49	8,409	8,334	8,354	8,520	8,800	9,211	9,817
Total 5-Year Births		1,740	1,662	1,809	2,071	2,237	2,275

Summary For Change Between 2020 and 2040

- Shrewsbury population is projected to increase by 23.0 percent
- The female population is projected to increase by 20.8 percent
- Women of childbearing age are projected to increase by 17.5 percent
- Births are projected to increase by 36.9 percent

Shrewsbury Enrollment Projections



F-2015	2,139
F-2016	2,188
F-2017	2,174
F-2018	2,170
F-2019	2,152
F-2020	2,114
F-2021	2,089
F-2022	2,062
F-2023	2,027
F-2024	2,039
F-2025	2,069
F-2026	2,089
F-2027	2,147
F-2028	2,203
F-2029	2,238
F-2030	2,295

Enrollment Model – Grade Progression Ratios

Students Moving Through the System

Current Enrollment and Births								
Birth Year	2010	2011	2012	2013	2014	2015		
Births	319	374	357	357	334	324		
School Year	F-2015	F-2016	F-2017	F-2018	F-2019	F-2020		
Kindergarten	355	388	355	351	363	350		
Grade 1	425	418	424	424	426	410		
Grade 2	446	459	437	447	439	438		
Grade 3	439	460	476	454	469	436		
Grade 4	474	463	482	494	455	486		
Total K-4	2139	2188	2174	2170	2152	2120		
Grade Progression Ratio								
						3-Yr Avg		
Birth to K (B / K)	1.113	1.037	0.994	0.983	1.087	1.080	1.200	1.150
K to Grade 1 (G1 / K)		1.177	1.093	1.194	1.214	1.129	1.179	1.079
Grade 1 to 2 (G2 / G1)		1.080	1.045	1.054	1.035	1.028	1.039	1.039
Grade 2 to 3 (G3 / G2)		1.031	1.037	1.039	1.049	0.993	1.027	1.027
Grade 3 to 4 (G4 / G3)		1.055	1.048	1.038	1.002	1.036	1.025	1.025

Note:

The Birth to Kindergarten 3-Yr Average has been increased by 0.15 to factor in new full-time kindergarten for Fall 2021. Beginning in Fall 2022, the 3-Yr Average is increased by 0.10 as a reduction from the first year increase.

Floral Grade Progression and Projection Example

Birth Year (6 years)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Births Total		363	319	374	357	357	334	324	335	313	324	352	348	352	359	369	381
Enrollment Yr	F-2014	F-2015	F-2016	F-2017	F-2018	F-2019	F-2020	F-2021	F-2022	F-2023	F-2024	F-2025	F-2026	F-2027	F-2028	F-2029	F-2030
Floral Portion 43.7%		159	139	163	156	156	146	142	146	137	142	154	152	154	157	161	166
Kindergarten (Bir 5yr)																	
Grade 1	192	179	203	186	185	185	195	175	181	169	175	190	188	190	194	199	206
Grade 2	187	202	190	212	200	179	183	197	177	183	171	177	192	190	192	196	201
Grade 3	217	187	209	192	213	208	170	183	197	177	183	171	177	192	190	192	196
Grade 4	197	219	190	216	197	216	215	174	187	202	181	187	175	181	196	194	196
Total	793	787	792	806	795	788	763	729	742	730	709	725	731	753	772	781	799
Grade Progression								3-Yr Avg.									
Birth to G1		1.128	1.456	1.138	1.186	1.186	1.336	1.236									
Grade 1 to 2		1.052	1.061	1.044	1.075	0.968	0.989	1.011									
Grade 2 to 3		1.000	1.035	1.011	1.005	1.040	0.950	0.998									
Grade 3 to 4		1.009	1.016	1.033	1.026	1.014	1.034	1.025									

Notes:

3-Yr Average of school percentage of total enrollment

School totals do not reflect actual enrollment history of Floral as some Grade 1 students are assigned to Beal School each year

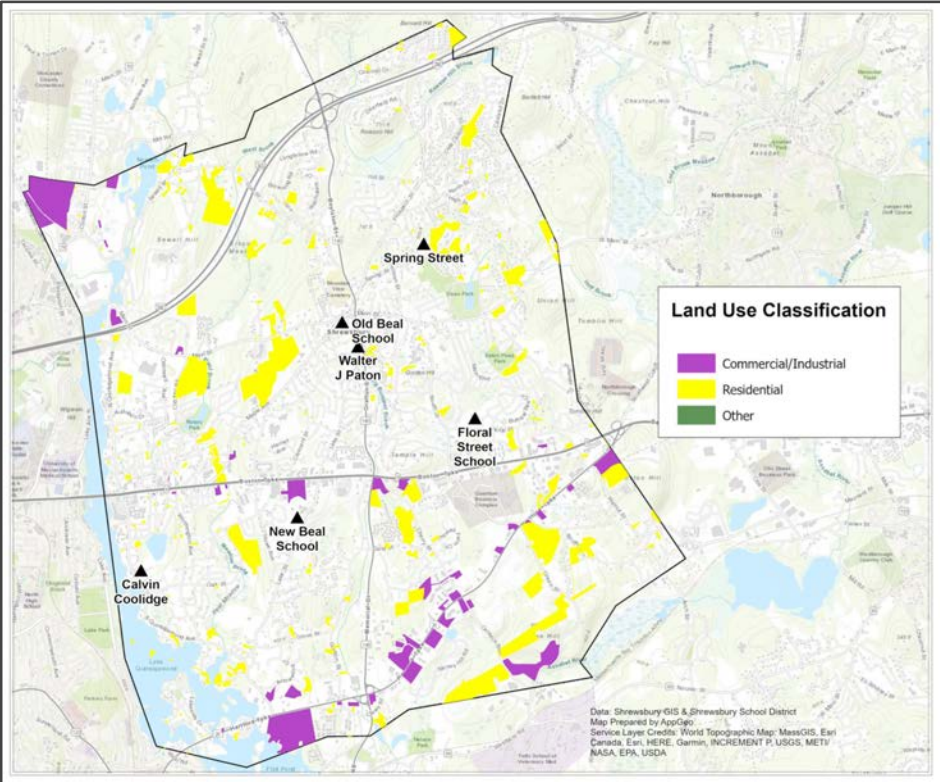


Other Factors Influencing Redistricting

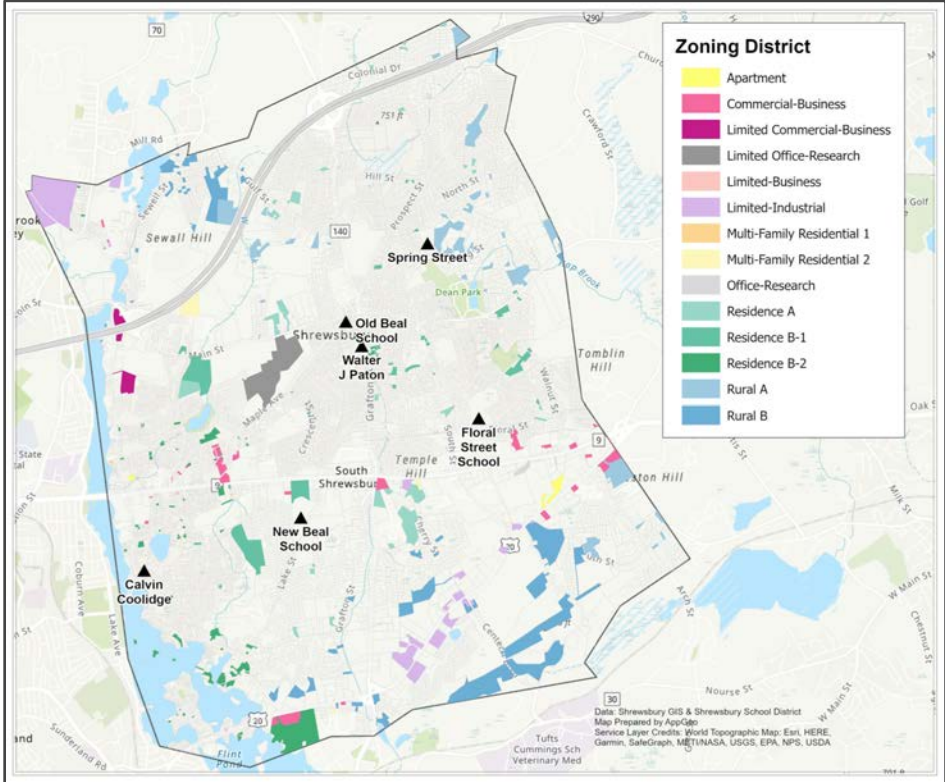
Development Potential

1. No significant development planned
 - a. Future plans for the town - focus is on senior and affordable housing
 - b. Most of the large subdivisions were built in the 90s and 2000s
 - c. Handful of subdivisions being built but only 3-5 single family homes
2. Sewer access
 - a. There is a cap on the amount of volume that can be sent to the Westborough plant
 - b. Rte 20 overlay allows for extension but 20 acre lots are limited
3. No land remaining
 - a. If it is available it is restricted by wetlands etc.

Development Potential

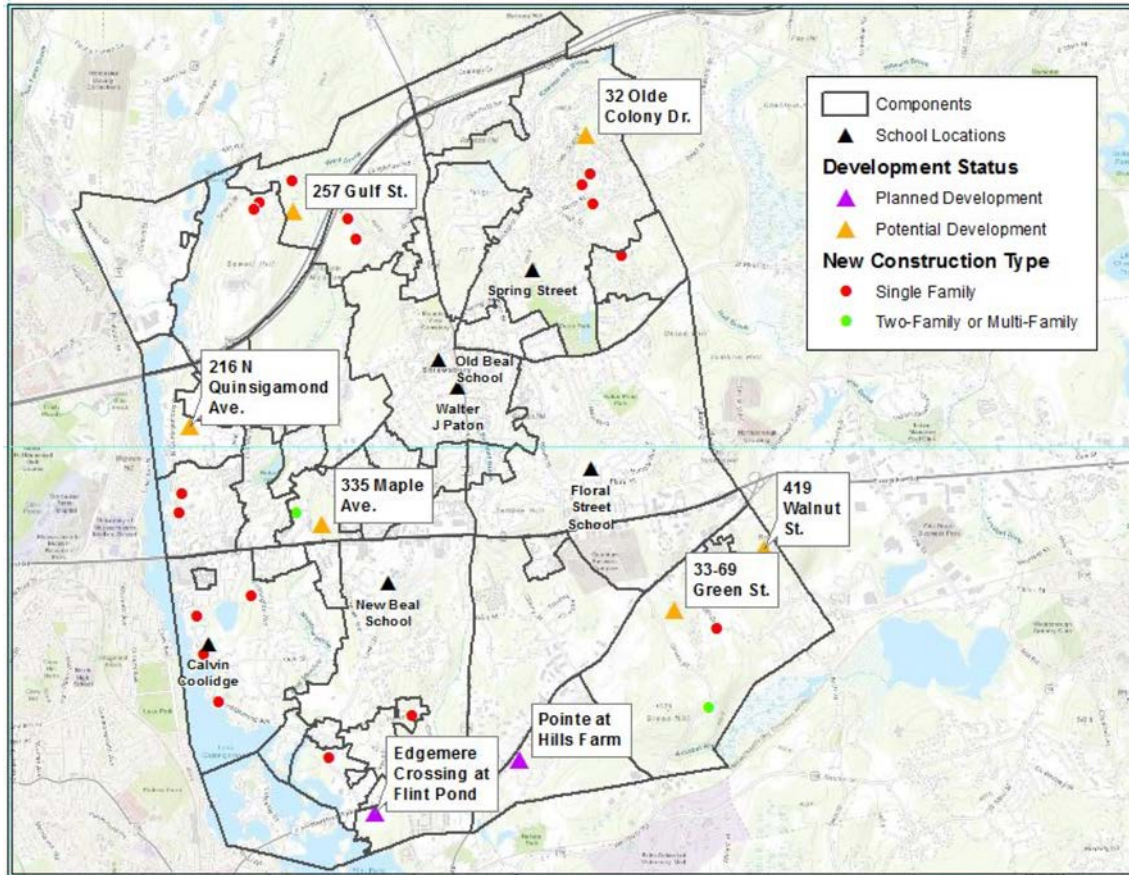


Assessors Data - Parcels Coded as Developable



Zoning for Developable Parcels

Development Potential



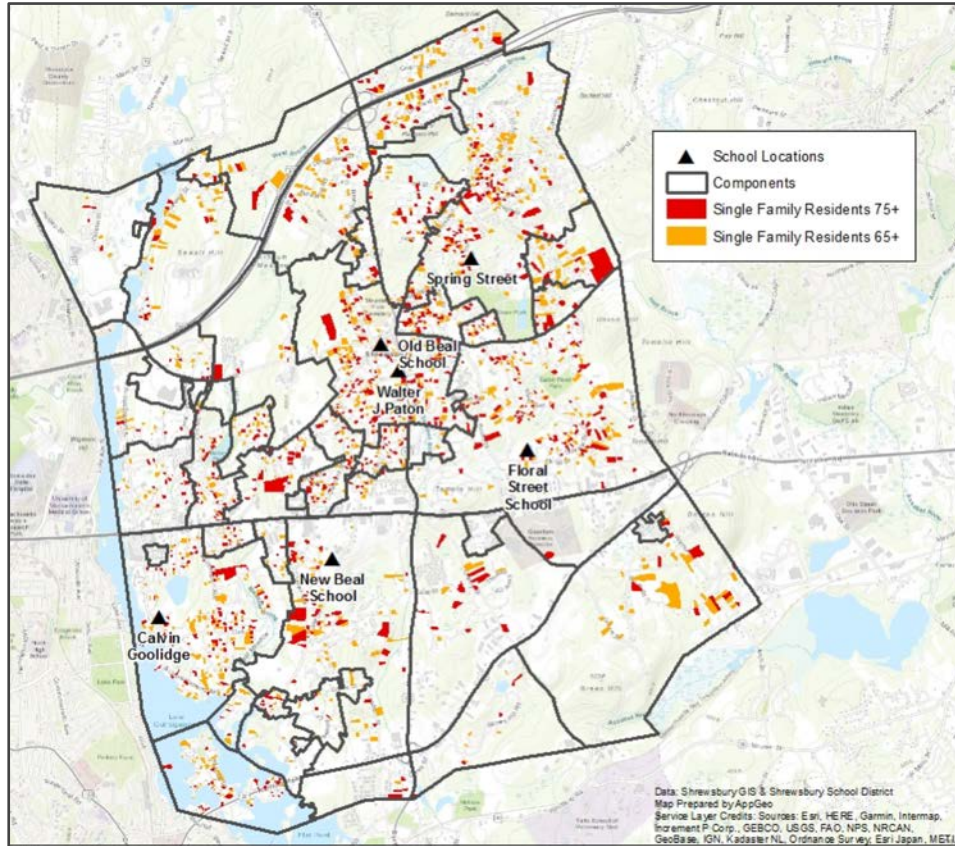
Planned Developments

1. Edgemere Crossing
2. Pointe at Hills Farm

Potential Developments

1. 335 Maple Ave (24 acres) - mixed use
2. Walnut St - 2 lots with potential
3. 32 Olde Colony Dr - issues with property - wetlands
4. 257 Gulf St (28 acres) - wetlands and difficult terrain
5. 216 N Quinsigamond (9 acres)
6. 33-69 Green St - potential senior housing

2018 Census Data - Turnover



Component	Total Single Family Homes	Single Family Homes with 65+	Single Family Homes with 75+	% Single Family Homes with 65+	% Single Family Homes with 75+
COOL1	780	172	86	22%	11%
COOL6	45	14	8	31%	18%
COOL12	168	15	6	9%	4%
FLOR1	1220	205	111	17%	9%
FLOR2	4	1	1	25%	25%
FLOR5	234	18	12	8%	5%
PAT2	67	4	1	6%	1%
PAT4	153	48	27	31%	18%
PAT14	160	39	25	24%	16%
SPR1	1084	198	106	18%	10%
SPR4	154	26	8	17%	5%
SPR7	78	14	6	18%	8%

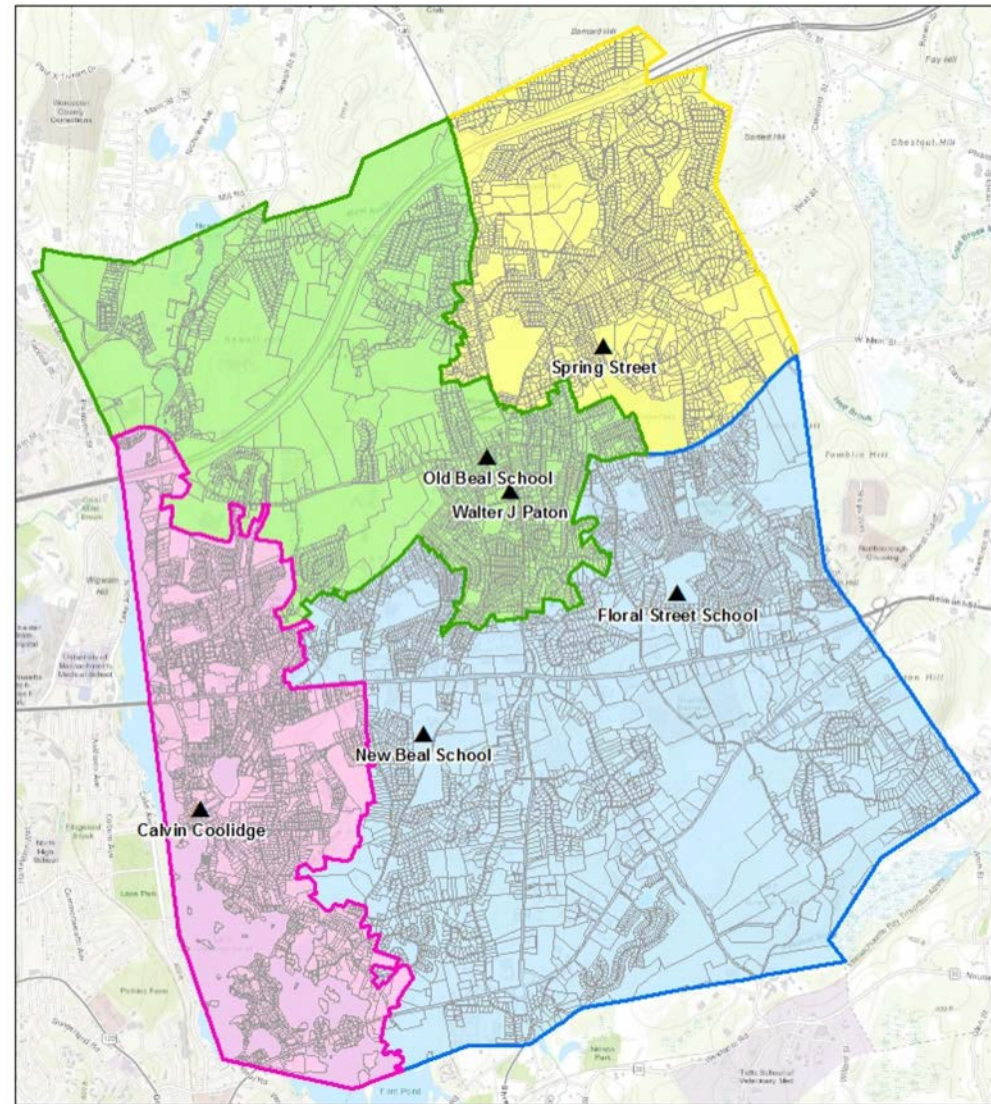
Examples of proportions of 65+ aged individuals in single family homes (1-2 person household) by component.



School Districts/ Student Distribution

Current Districts

School	K Thru 4 Students
"Old" Beal	312
Coolidge	412
Floral	722
Paton	370
Spring	350



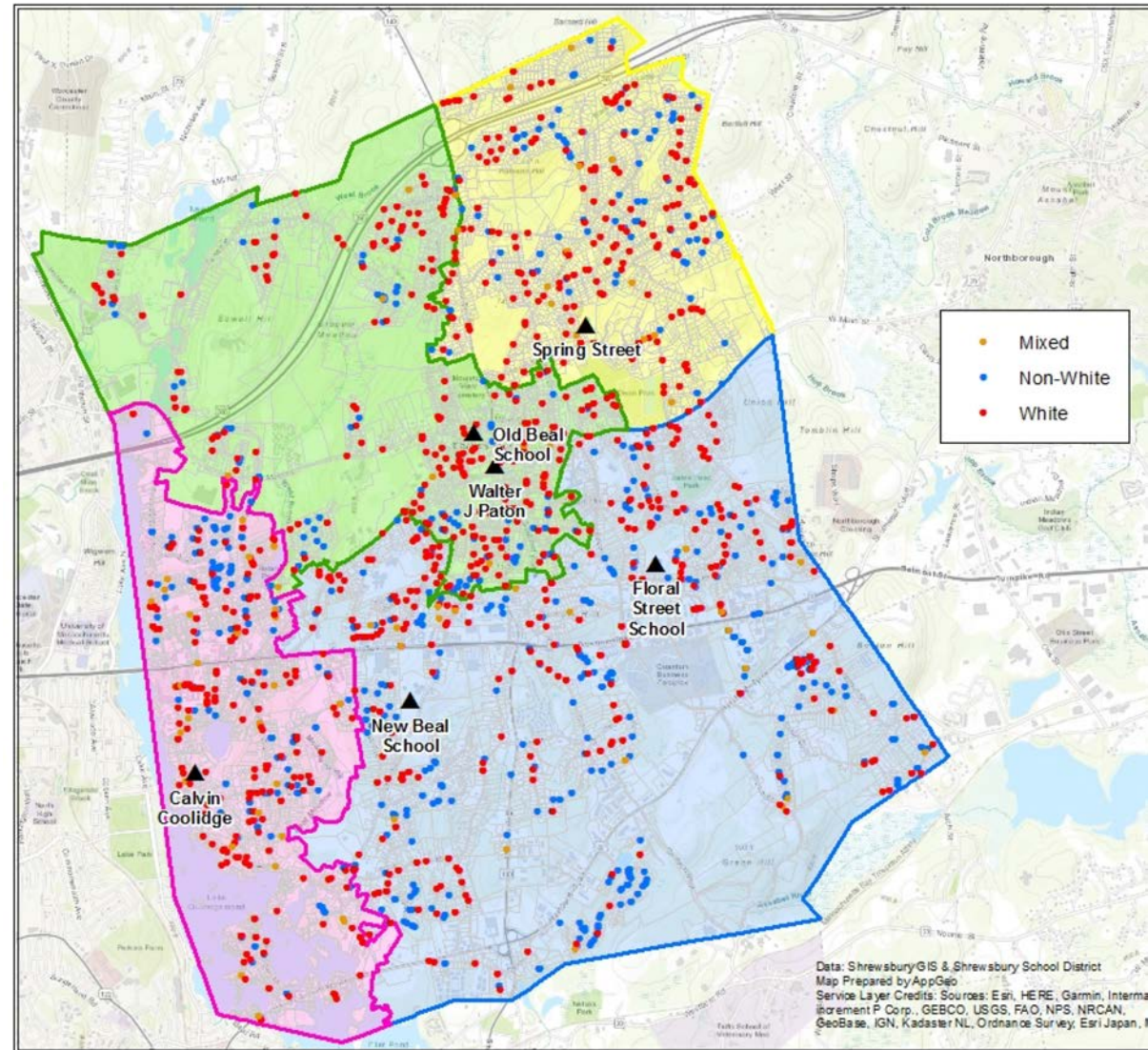
Students K-4 Racial/Ethnic Distribution

School	% White	% Non White	% Mixed
"Old" Beal	37%	60%	4%
Coolidge	53%	39%	8%
Floral	42%	54%	4%
Paton	72%	24%	3%
Spring	65%	29%	6%

White - includes only students listed as White/Non-Hispanic or White/Hispanic

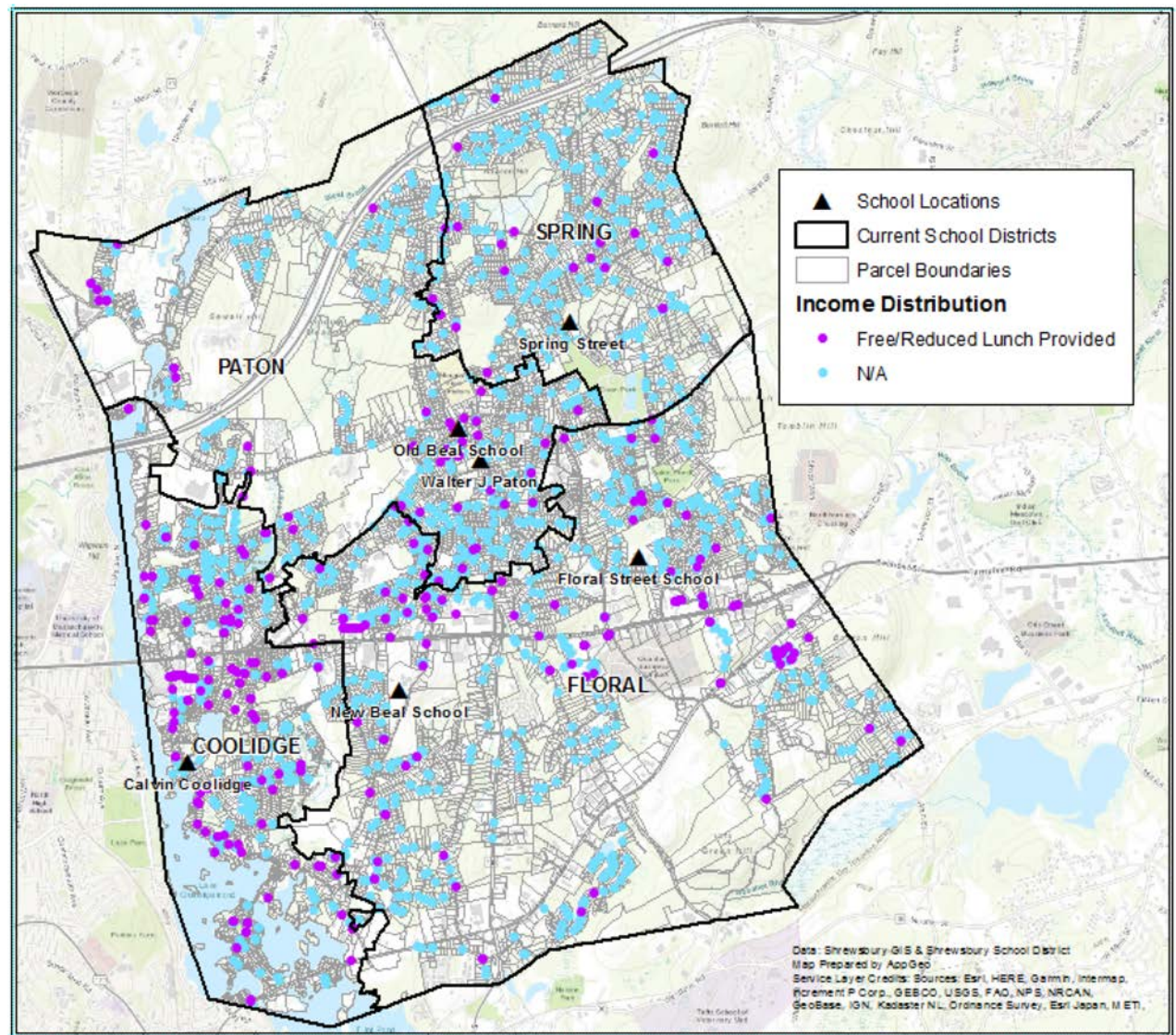
Mixed - includes students listed in categories that have both White and Non-White designations.

Non-White - includes students with no White designation.



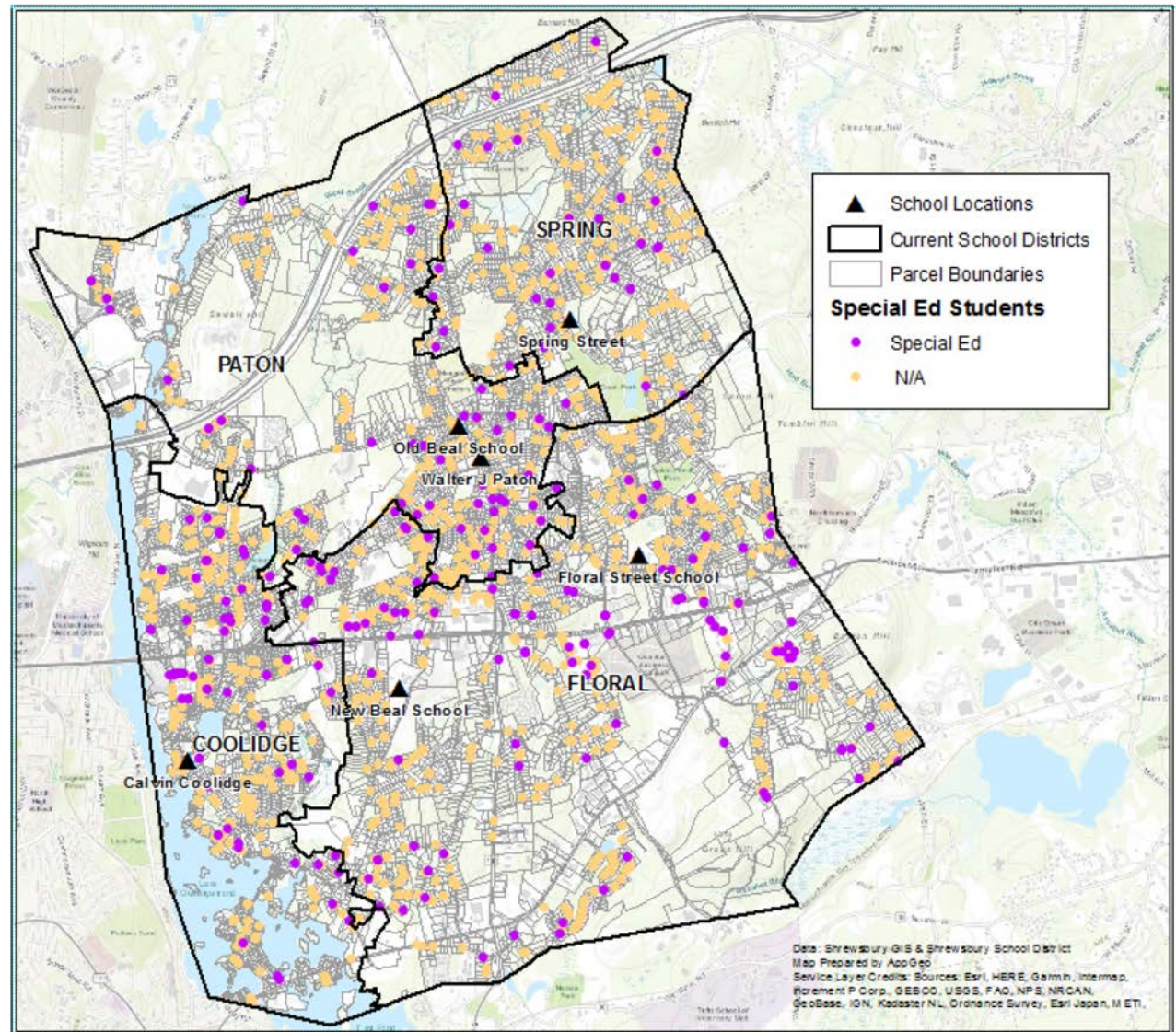
Students K-4 Income Distribution

School	% Free/Reduced Lunch
"Old" Beal	16%
Coolidge	32%
Floral	15%
Paton	11%
Spring	7%



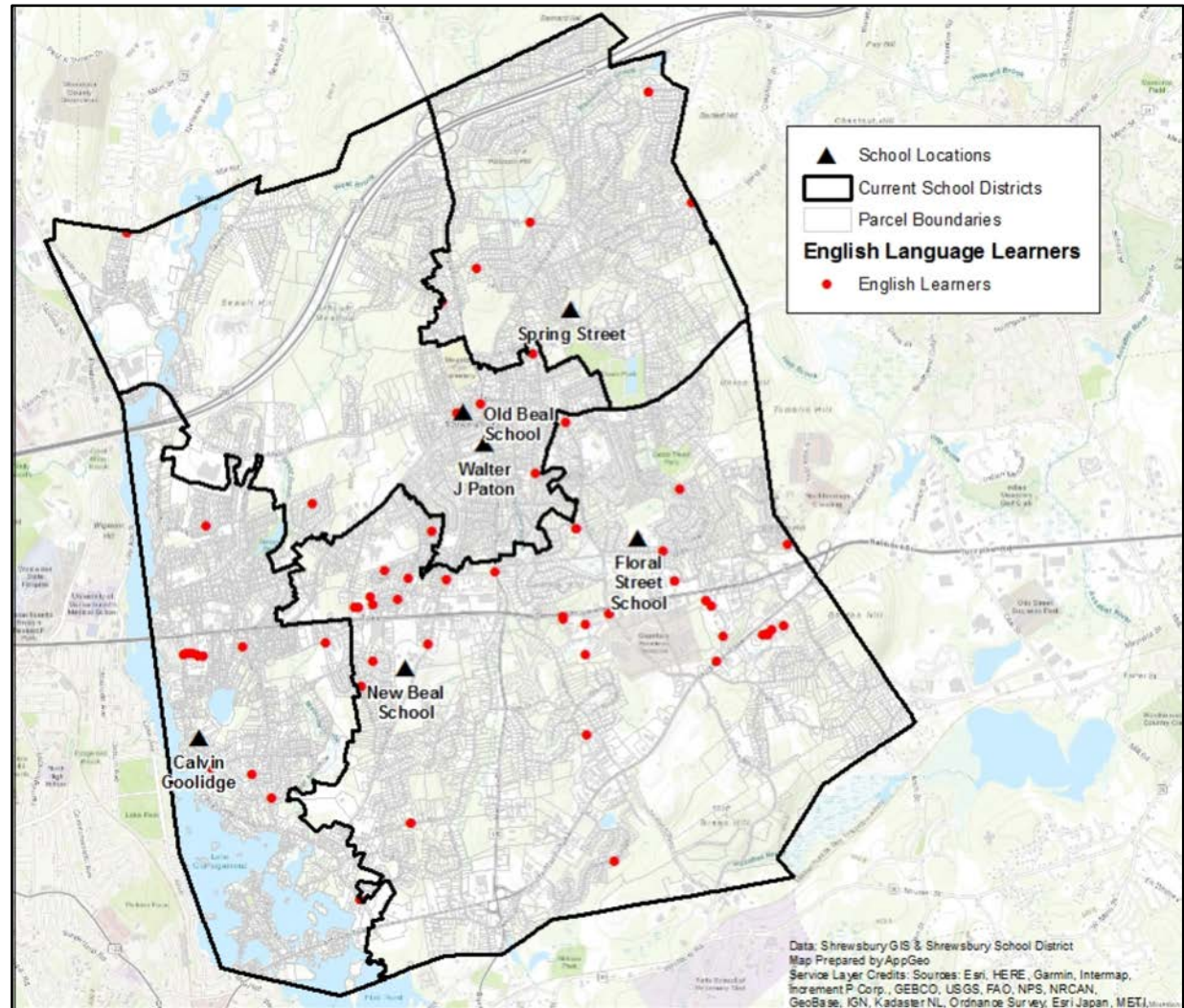
Students K-4 Special Education Distribution

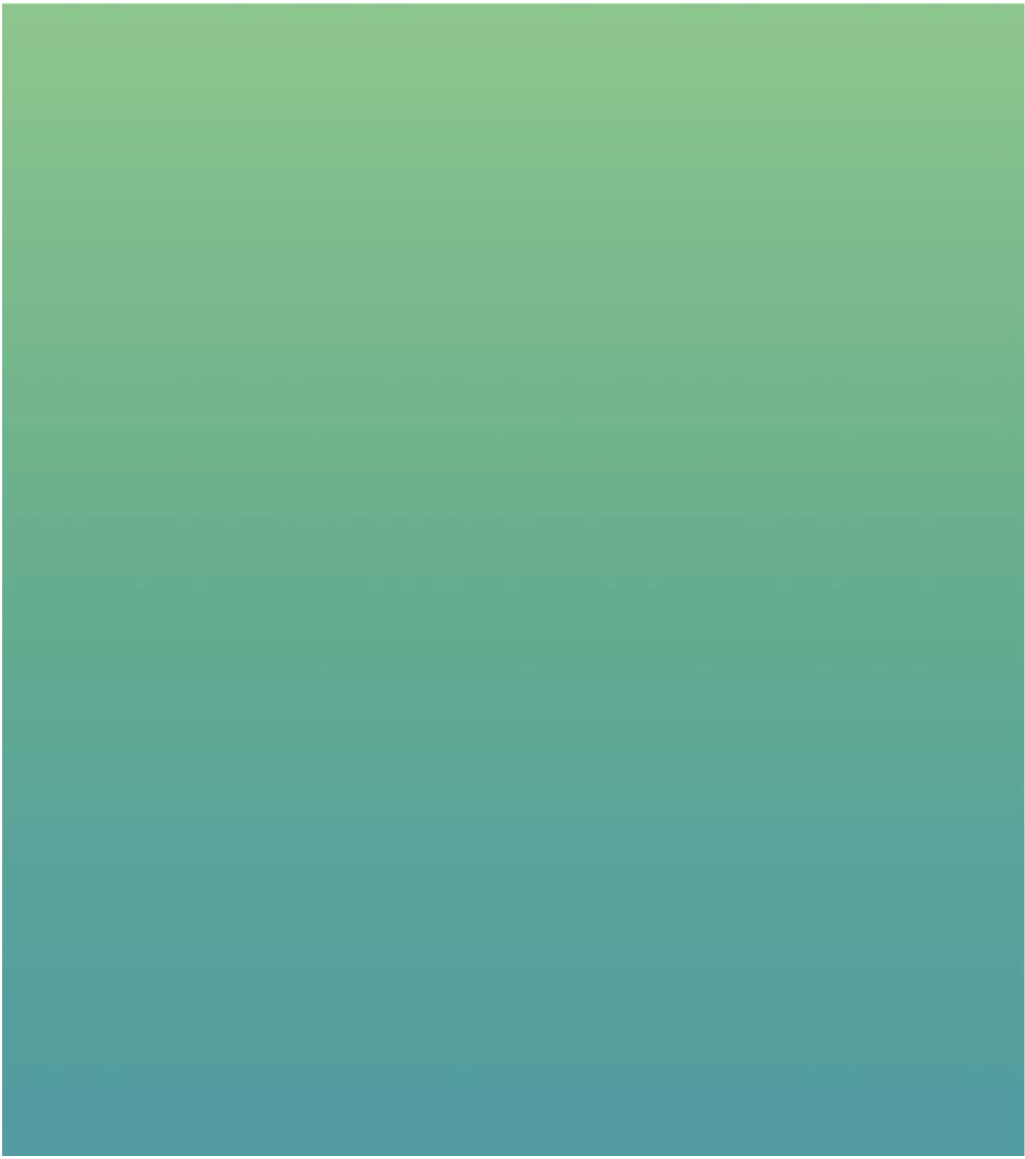
School	% Special Education
"Old" Beal	13%
Coolidge	14%
Floral	11%
Paton	14%
Spring	9%



Students K-4 English Learning Distribution

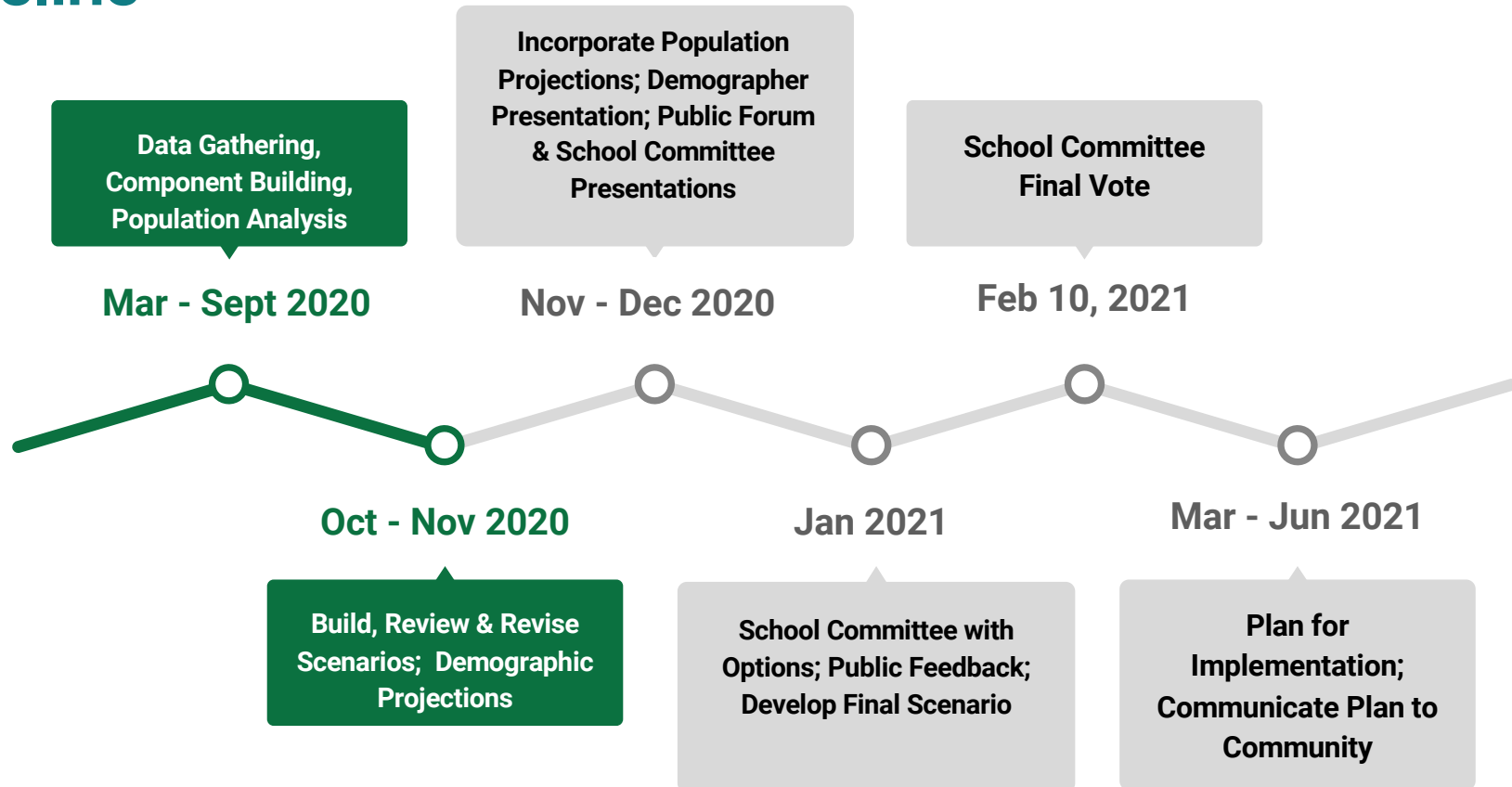
School	% English Learners
"Old" Beal	1%
Coolidge	4%
Floral	5%
Paton	2%
Spring	1%





Timeline/Next Steps

Timeline



Next Steps

- The Redistricting Committee with assistance of AppGeo is building and evaluating several scenarios with Guiding Principles in mind.
- Next Virtual Public Forum - ***January 12, 2020 @ 7:00 PM***
 - The Redistricting Committee will present scenarios and solicit community feedback

The background of the slide is a stylized map of a city, likely San Francisco, with a green-to-blue gradient overlay. The map shows a dense network of streets and a large body of water on the right side.

Questions?

AppGeo



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **V. Curriculum**

MEETING DATE: **12/16/20**

BACKGROUND INFORMATION:

ACTION RECOMMENDED:

STAFF & STUDENTS AVAILABLE FOR PRESENTATION:



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **VI. Policy**

MEETING DATE: **12/16/20**

BACKGROUND INFORMATION:

ACTION RECOMMENDED:

COMMITTEE MEMBERS/STAFF AVAILABLE FOR PRESENTATION:



SHREWSBURY PUBLIC SCHOOLS SCHOOL COMMITTEE MEETING

ITEM NO: **VII. Finance & Operations**

MEETING DATE: **12/16/20**

A. Recommendation for 1:1 iPad Deployment for Grades K-4: Report

BACKGROUND INFORMATION:

In response to the COVID-19 pandemic, the district expanded its existing grade 5-12 1:1 iPad program to all students in kindergarten through grade 4 to facilitate remote and hybrid learning. This was done using a combination of federal COVID grant funding and the reuse of existing older devices. Tonight Mr. L'Heureux will recommend that the district continue to provide iPads to students in kindergarten through grade 4 in future years, in addition to continuing the grade 5 through 12 program. Mr. L'Heureux will provide a rationale for the recommendation and information regarding the associated financial impact. The recommendation is enclosed.

ACTION RECOMMENDED:

That the School Committee hear the report and take such action as it deems in the best interest of the school system.

STAFF AVAILABLE FOR PRESENTATION:

Dr. Joseph M. Sawyer, Superintendent of Schools

Mr. Brian L'Heureux, Director of Information Technology

Ms. Amy Clouter, Assistant Superintendent for Curriculum, Instruction, & Assessment



Shrewsbury Public Schools

Brian L'Heureux
Director of Information Technology

Recommendation for Continuing 1:1 Device Access for K-4 Students

To: School Committee
From: Brian L'Heureux
Re: Recommendation for Continuing 1:1 Device Access for K-4 Students
Date: December 10, 2020

In response to the COVID-19 pandemic, the district expanded its existing grade 5-12 1:1 iPad program to all students in kindergarten through grade 4 in order to allow for equitable and reliable technology access for students to facilitate remote and hybrid learning. This was done using a combination of federal COVID grant funding and the reuse of existing older devices that were either turned in by graduating seniors and rising freshmen or were reallocated from devices that had previously been assigned to elementary classrooms and shared iPad carts.

Our administrative team is recommending that the district continue to provide iPads to students in kindergarten through grade 4 in future years, in addition to continuing the grade 5 through 12 program.

Background

The use of 1:1 technology in our middle and high schools has allowed students to easily access information, create content for authentic audiences, and collaborate more easily with teachers and peers.

Prior to the start of the pandemic, students in kindergarten through grade 2 had access to a limited quantity of shared classroom iPads or shared iPad carts. In grades 3 and 4, students had access to iPads on a 1:2 basis in classrooms, where two students shared one iPad. When asked, teachers named limited access to devices as a barrier to more frequent use. No iPads were taken home by the students at the K-4 level.

During the course of the pandemic, SPS teachers have reported increased levels of comfort with the use of technology due to the need to rapidly adopt its use for remote learning. Elementary teachers surveyed indicated a number of benefits to the use of 1:1 technology in lower grades, including:

- Additional ability for students to practice work at home using web-based reading and math programs such as Freckle and ST Math
- Ability for teachers to more easily customize lessons for individual students
- Additional technology supports are more easily available to students with special needs

- Ability for students to document their work with manipulatives using photos
- Equitable access to digital books for students who many not have access to books at home
- Less time spent on logging in and out of resources due to iPads not being shared
- More flexibility with groupings; no need to wait to use shared iPads

The presence of 1:1 technology in all elementary grades has greatly increased the efficiency with which students can take part in formative assessments such as the Star assessment. This has resulted in less class time needing to be devoted to administering these assessments.

Additionally, research has shown the potential for increased ELA test performance for students who were provided with access to 1:1 technology at the elementary level¹.

Teachers did mention screen time for younger students as a concern. As we move out of the pandemic, we will need to be sure that iPads are considered to be one of the many tools (both technological and non-technological) that are used in the classroom.

Recommendation

Our recommendation is to continue the provision of 1:1 iPads for all students in kindergarten through grade 4. To accomplish this, we would leverage a combination of existing iPads, new iPads purchased as part of the appropriated budget, and new iPads purchased as part of the Beal School building project.

We are recommending keeping the elementary and middle/high school iPad programs using separate sets of devices, as we would issue lower capacity iPad models at the elementary level. Students would continue to receive new iPads in grades 5 and 9 for use during their four years at each level.

For FY 2022, we recommend purchasing new iPads for grades 1 and 3, which they would use for the remainder of their time at the elementary level. The iPads that were purchased for this year's grade 4 using COVID funding would be reallocated to grade 2, and those students would keep those for the remainder of their elementary time. Kindergarten iPads would be reallocated from current kindergarten students to next year's kindergarten students.

For FY 2023, we recommend purchasing new iPads for kindergarten and grade 1, which they would use for the remainder of their time at the elementary level. All other elementary students would continue to use their existing iPads from the previous school year. iPads that were in use for less than four years would be reallocated to non-1:1 uses such as staff and special education.

For FY 2024 and future years, we recommend purchasing new iPads for kindergarten students, which they would keep and use for their five years at the elementary level.

¹ Bebell, Damian, and Laura M. O'Dwyer. "Educational Outcomes and Research from 1:1 Computing Settings." *The Journal of Technology, Learning, and Assessment*, vol. 9, no. 1, 2010. <https://files.eric.ed.gov/fulltext/EJ873675.pdf>. Accessed December 20, 2020.

Table 1 below illustrates our current plan with respect to reuse and purchase of iPads for the next four years.

Table 1: iPad purchase/reuse planning through FY 2025

Key: The first number is that cohort's grade level that year, the second item is the iPad model, the third number is the iPad storage capacity in GB. Green-shaded cells denote new iPad purchases.

	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Class of 2021	12/Keep iPad 5/128				
Class of 2022	11/Keep iPad 6/128	12/Keep iPad 6/128			
Class of 2023	10/Keep iPad 6/128	11/Keep iPad 6/128	12/Keep iPad 6/128		
Class of 2024	9/New iPad 7/128	10/Keep iPad 7/128	11/Keep iPad 7/128	12/Keep iPad 7/128	
Class of 2025	8/Keep iPad 5/128	9/New iPad 8/128	10/Keep iPad 8/128	11/Keep iPad 8/128	12/Keep iPad 8/128
Class of 2026	7/Keep iPad 6/128	8/Keep iPad 6/128	9/New iPad 9/128	10/Keep iPad 9/128	11/Keep iPad 9/128
Class of 2027	6/Keep iPad 6/128	7/Keep iPad 6/128	8/Keep iPad 6/128	9/New iPad 10/128	10/Keep iPad 10/128
Class of 2028	5/New iPad 7/128	6/Keep iPad 7/128	7/Keep iPad 7/128	8/Keep iPad 7/128	9/New iPad 11/128
Class of 2029	4/New iPad 7/32	5/New iPad 8/128	6/Keep iPad 8/128	7/Keep iPad 8/128	8/Keep iPad 8/128
Class of 2030	3/New iPad 7/32	4/Keep iPad 7/32	5/New iPad 9/128	6/Keep iPad 9/128	7/Keep iPad 9/128
Class of 2031	2/Reuse Air 2/64	3/New iPad 8/32	4/Keep iPad 8/32	5/New iPad 10/128	6/Keep iPad 10/128
Class of 2032	1/Reuse Air 2/64	2/Reuse iPad 7/32	3/Keep iPad 7/32	4/Keep iPad 7/32	5/New iPad 11/128
Class of 2033	K/Reuse 5/6/32	1/New iPad 8/32	2/Keep iPad 8/32	3/Keep iPad 8/32	4/Keep iPad 8/32
Class of 2034		K/Reuse 5/6/32	1/New iPad 9/32	2/Keep iPad 9/32	3/Keep iPad 9/32
Class of 2035			K/New iPad 9/32	1/Keep iPad 9/32	2/Keep iPad 9/32
Class of 2036				K/New iPad 10/32	1/Keep iPad 10/32
Class of 2037					K/New iPad 11/32

Due to the timing of the Beal School building project, we have a unique opportunity to leverage building project funding for the purchase of iPads for Beal students. Our recommendation is to purchase iPads for all Beal students for the 2021-2022 school year as part of the FF&E portion of the project. This will reduce the number of iPads that will need to be purchased using the appropriated budget considerably, as Beal will be our largest elementary school.

Financial Impact

Our recommendation is to continue our practice of purchasing 1:1 iPads on a four-year lease. Table 2 shows the estimated budget impact of shifting to a 1:1 technology model at the elementary level. For FY 2022 and FY 2023, we would be adding two additional 4-year iPad leases. After that, we would be adding one additional elementary lease per year. After the initial leases executed in FY

2022 and FY 2023 have run their course, the “steady state” at the elementary level will be to have four concurrent lease payments with an approximate total of \$132,000 per year.

Continuing with 1:1 at the elementary level will, in the short term, eliminate the need for a lease to maintain a 5-year replacement cycle of non-1:1 iPads. This is reflected in the “Offset due to elimination of need for larger non-1:1 5 year replacement cycle” line in Table 2.

Table 2: Financial impact of continuing with K-4 1:1

	2021-2022	2022-2023	2023-2024	2024-2025
Class of 2031	\$ 26,335	\$ 26,335		
Class of 2032				
Class of 2033	\$ 23,878	\$ 23,878	\$ 23,878	\$ 23,878
Class of 2034		\$ 25,107	\$ 25,107	\$ 25,107
Class of 2035		\$ 32,017	\$ 32,017	\$ 32,017
Class of 2036			\$ 33,092	\$ 33,092
Class of 2037				\$ 33,169
Non-1:1 Reuse			\$ 26,335	\$ 26,335
Offset due to elimination of need for larger non-1:1 5 year replacement cycle	\$ (22,952)	\$ (22,952)	\$ (22,952)	\$ (22,952)
Net Impact of K-4 1:1	\$ 27,262	\$ 84,386	\$ 117,477	\$ 150,646



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **VII. Finance & Operations**

MEETING DATE: **12/16/20**

BACKGROUND INFORMATION:

ACTION RECOMMENDED:

STAFF AVAILABLE FOR PRESENTATION:



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **VIII. Old Business**

MEETING DATE: **12/16/20**

BACKGROUND INFORMATION:

ACTION RECOMMENDED:

MEMBERS/STAFF AVAILABLE FOR PRESENTATION:



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **IX. New Business**

MEETING DATE: **12/16/20**

BACKGROUND INFORMATION:

ACTION RECOMMENDED:

STAFF AVAILABLE FOR PRESENTATION:



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **X. Approval of Minutes**

MEETING DATE: **12/16/20**

BACKGROUND INFORMATION:

The minutes from the School Committee Meeting held on December 2, 2020 are enclosed.

ACTION RECOMMENDED:

That the Committee accept the minutes from the School Committee Meeting held on December 2, 2020.

STAFF AVAILABLE FOR PRESENTATION:

Ms. Sandra Fryc, Chairperson

Dr. B. Dale Magee, Secretary

**SHREWSBURY PUBLIC SCHOOLS
100 MAPLE AVENUE
SHREWSBURY, MASSACHUSETTS**

MINUTES OF SCHOOL COMMITTEE MEETING

Wednesday, December 2, 2020

Present: Ms. Sandy Fryc, Chairperson; Mr. Jon Wensky, Vice Chairperson; Dr. B. Dale Magee, Secretary; Ms. Lynsey Heffernan; Mr. Jason Palitsch; Ms. Amy B. Clouter, Assistant Superintendent for Curriculum & Instruction; Ms. Barb Malone, Director of Human Resources; and Dr. Joseph Sawyer, Superintendent of Schools.

Due to the Coronavirus (COVID-19) pandemic, this meeting was not open to physical attendance by the public, but was broadcast live on SELCO Channels 29 & 329 and streamed live on the Shrewsbury Media Connection website. A complete audio/visual recording of this meeting is available on the Shrewsbury Public Schools website.

The meeting was convened by Ms. Fryc at 7:01 pm.

I. Public Participation

None.

II. Chairperson's Report & Members' Reports

None.

III. Superintendent's Report

Dr. Sawyer reported that Parker Road Preschool Principal Lisa Robinson will be out on medical leave for the remainder of the school year and will leave the district after the school year to pursue other opportunities, and expressed appreciation to Ms. Robinson for her work in the district. Dr. Sawyer noted that Team Chair Bridget Nichols would step into the role of Acting Director of Parker Road Preschool for the remainder of the school year. Dr. Sawyer reported that 135 applications were received from individuals wanting to serve on the Shrewsbury High School (SHS) mascot ad hoc study group, and advised he hoped applicants would be notified of their status sometime the following week.

IV. Time Scheduled Appointments:

A. Update on Reopening of the 2020-2021 School Year: Report

In the report, Dr. Sawyer presented a summary of key messages, the current district case count, current local and state public health data, medical literature regarding in-school transmission risk, and updated state guidance around the decision-making process for determining changes to educational programs. He also addressed differences between district and state data reporting, factors relative to maintaining stability in the district, and reasons to be both thankful and concerned. Committee members asked clarifying questions about possible staff shortages and how they could assist in alleviating the current level of stress being experienced in the district, and discussed the potential for recalibrating and/or reexamining timelines around the district's strategic priorities and goals in light of the current environment.

B. SHS Class of 2020 Future Plans: Report

In their report, Ms. Nga Huynh, Director of School Counseling, and Mr. Todd Bazydlo, Shrewsbury High School Principal, presented: Class of 2020 future plans in aggregate, by gender, and broken out for students receiving special education services; data on public and private two- and four-year matriculations; application information; acceptance and enrollment data by geographic region; and information on school selectivity. Committee members asked clarifying questions about the number of applications being submitted by students and school counseling relative to applications, increased anxiety, scholarships and financial aid, and obtaining general profiles of financial aid from schools.

V. Curriculum

A. SHS Testing: Annual Report

Ms. Huynh and Mr. Bazydlo reviewed standardized tests by category: SAT (administration and score reporting changes, redesigned scales, mean scores, gender trends, Subject Test mean scores); PSAT/NMSQT recognition and scholarship opportunities; ACT participation and a participation comparison with SAT; and AP - Advanced Placement - Courses (exam participation overall and by grade, exam scores, scholars). They also addressed SHS's school profile information for college admissions, and strategies for maintaining and improving student scores. Committee members asked clarifying questions about changing SAT and ACT participation rates, how colleges use SAT scores, and stress relative to some school's shift to a holistic approach to admissions, and noted that SHS students are very well-prepared for college.

B. Star Assessment for Grades K-8: Report

In her report, Ms. Clouter addressed the rationale for implementing a universal assessment tool to identify at-risk students, multi-tiered systems of support, and how the assessment aligns with the district's Strategic Goals; described the assessment tool and what students will experience; detailed how data derived from the assessment will be utilized; and provided a timeline for test administration going forward. Ms. Clouter provided a live demonstration of the Star assessment for the Committee. Additional information was provided on correlation of the assessment with MCAS testing in response to questioning. The Committee acknowledged the timeliness of garnering additional student data at present, and noted the importance of communicating thoughtfully with students and families around implementing the new assessment to minimize stress.

VI. Policy

None.

VII. Finance & Operations

None.

VIII. Old Business

None.

IX. New Business

None.

X. Approval of Minutes

Without objections from the Committee, the minutes from the School Committee Meeting held

on November 18, 2020 were accepted as distributed.

XI. Executive Session

Ms. Fryc requested a motion to adjourn to Executive Session:

- a) for the purpose of addressing G.L. c. 30A, § 21(a)(7) “[t]o comply with, or act under the authority of, any general or special law or federal grant-in-aid requirements” (“Purpose 7”), Open Meeting Law, G.L. c. 30A, §§ 22(f), (g) – for the purpose of reviewing, approving, and/or releasing executive session minutes, and
- b) for the purpose of addressing G.L. c. 30A, § 21(a)(3) “to discuss strategy with respect to collective bargaining or litigation if an open meeting may have a detrimental effect of the bargaining or litigating position of the public body and the chair so declares” (“Purpose 3”) - the Shrewsbury Education Association Unit A. On a motion by Mr. Palitsch, seconded by Ms. Heffernan, on a roll call vote: Ms. Heffernan, yes; Mr. Palitsch, yes; Dr. Magee, yes; Mr. Wensky, yes; and Ms. Fryc, yes, the School Committee voted to adjourn to executive session at 9:23 pm.

XII. Adjournment

On a motion by Mr. Wensky, seconded by Mr. Palitsch, the committee unanimously agreed to adjourn the meeting at 9:45 pm. Roll call votes were as follows: Ms. Fryc, yes; Ms. Heffernan, yes; Mr. Palitsch, yes; Mr. Wensky, yes, and Dr. Magee, yes.

Respectfully submitted,

Elizabeth McCollum, Clerk

Documents referenced:

1. 2020-21 School Year Reopening Update Slide Presentation
2. SHS Class of 2020 Future Plans Report
3. SHS Class of 2020 Future Plans Slide Presentation
4. SHS Testing Results Report
5. SHS Testing Results Slide Presentation
6. Star Assessment Report
7. Star Assessment Slide Presentation
8. Set(s) of minutes as referenced above



SHREWSBURY PUBLIC SCHOOLS SCHOOL COMMITTEE MEETING

ITEM NO: **XI. Executive Session**

MEETING DATE: **12/16/20**

- A. For the purpose of addressing G.L. c. 30A, § 21(a)(7) “[t]o comply with, or act under the authority of, any general or special law or federal grant-in-aid requirements” (“Purpose 7”), Open Meeting Law, G.L. c. 30A, §§ 22(f), (g) – for the purpose of reviewing, approving, and/or releasing executive session minutes.**
- B. For the purpose of addressing G.L. c. 30A, § 21(a)(3) “to discuss strategy with respect to collective bargaining or litigation if an open meeting may have a detrimental effect of the bargaining or litigating position of the public body and the chair so declares” (“Purpose 3”) - the Shrewsbury Education Association Unit A.**

BACKGROUND INFORMATION:

Executive session is warranted for these purposes.

ACTION RECOMMENDED:

That the School Committee enter into executive session:

- a) for the purpose of addressing G.L. c. 30A, § 21(a)(7) “[t]o comply with, or act under the authority of, any general or special law or federal grant-in-aid requirements” (“Purpose 7”), Open Meeting Law, G.L. c. 30A, §§ 22(f), (g) – for the purpose of reviewing, approving, and/or releasing executive session minutes, and
- b) for the purpose of addressing G.L. c. 30A, § 21(a)(3) “to discuss strategy with respect to collective bargaining or litigation if an open meeting may have a detrimental effect of the bargaining or litigating position of the public body and the chair so declares” (“Purpose 3”) - the Shrewsbury Education Association Unit A, where deliberation in an open meeting may have a detrimental effect on the bargaining position of the public body; and return to Open Session only for the purpose of adjourning for the evening.

STAFF AVAILABLE FOR PRESENTATION:

Dr. Joseph M. Sawyer, Superintendent of Schools

Ms. Barbara A. Malone, Executive Director of Human Resources

Mr. Patrick C. Collins, Assistant Superintendent for Finance and Operations



**SHREWSBURY PUBLIC SCHOOLS
SCHOOL COMMITTEE MEETING**

ITEM NO: **XII. Adjournment**