

PRINCETON COMMUNITY FORUM

School Facilities Planning

January 25, 2020



INTRODUCTION TO PROJECT TEAM

Collaboration of Experts in Architecture, Demographics, Housing, Land Use, Enrollment Projections, School Facility Planning and Redistricting



Mike Zuba, AICP
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MMI BY THE NUMBERS...



MILONE & MACBROOM

EST.
1984



K-12 EDUCATIONAL EXPERTISE

Enrollment Projections | Redistricting | Long Range
Facilities Plans | Demographic and Housing Analysis
| Geographic Information Systems (GIS) Analysis

K-12 EDUCATIONAL EXPERIENCE: BY THE NUMBERS



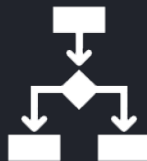
15
PER YEAR

ENROLLMENT &
DEMOGRAPHIC
STUDIES



21

REDISTRICTING
PLANS
IMPLEMENTED



24

LONG RANGE
FACILITIES PLANS
ADOPTED



75%

PERCENT OF OUR
CLIENTS ARE
REPEAT CLIENTS



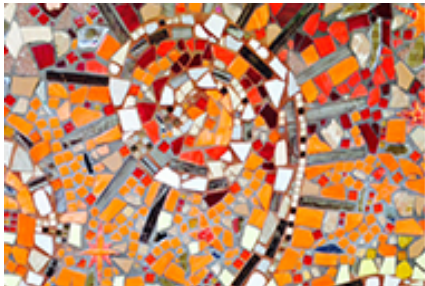
PS&S COMPANY PROFILE

- Over 56 Years in Business
- Clients: Education, Public, Real Estate, Science & Technology and Healthcare
- Headquartered in New Jersey, with Offices serving the Tri-State Region
- 250+ Staff (65 Arch/MEPF/Struct)
- Integrated Design: Architecture, Engineering, Site/Civil and Environmental
- Fully Integrated BIM Technology
- Sustainable Design Experience



PRINCETON PUBLIC SCHOOLS MISSION

**To prepare all of our students
to lead lives of joy and purpose
as knowledgeable, creative,
and compassionate citizens of a
global society**



Princeton Public Schools Strategic Planning Goals 2016 - 2021



Throughlines

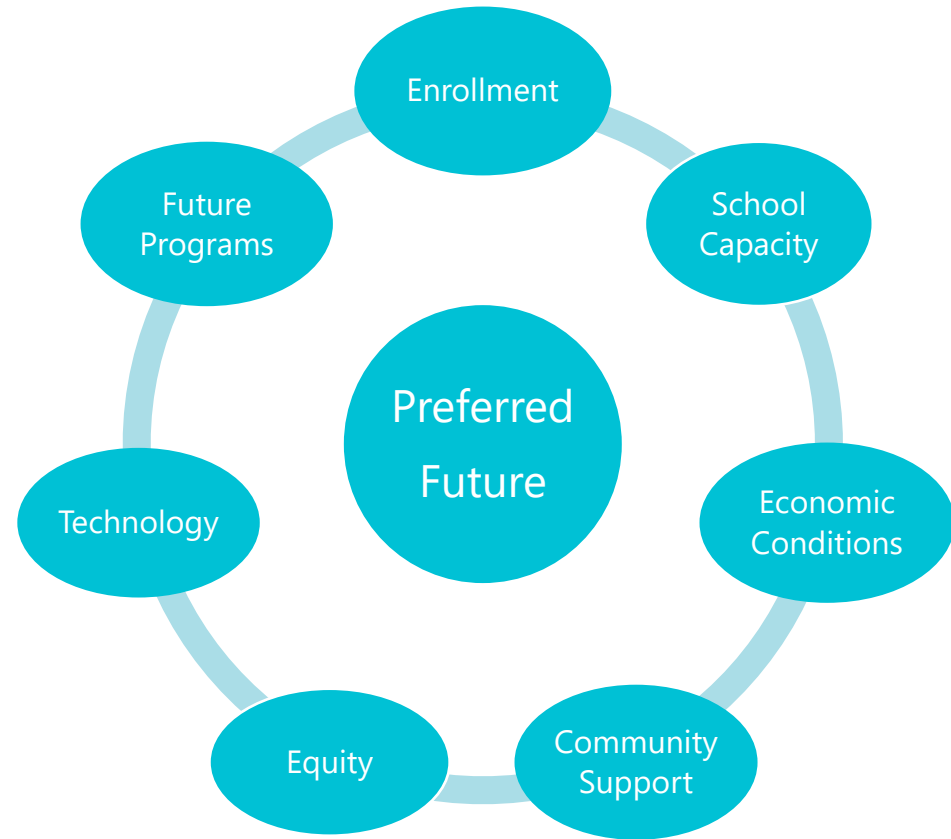
Differentiated Instruction
Culturally Responsive
Teaching

Overarching Goal

Equity – Ensuring every child achieves their highest potential by removing barriers, providing supports, and sparking inspiration

INTENTIONS FOR THIS PLAN

- **Master Plan to Align Facility Utilization and Capacity with Enrollment Forecasts and Educational Vision**
- Build on Recent Work to Develop Accurate Enrollment Projections and Understand Current and Future Facility Needs
- Develop a Range of Alternatives Based on Demographic, Facilities and Educational Programming Analyses
- Conduct an Engaging, Thoughtful, and Robust Community Planning Process
- Make Recommendations for Short- and Long-Term Solutions



PROJECT PROCESS

ENROLLMENT

FACILITIES

EDUCATION

PLANNING FOR THE FUTURE



Project Team has been working on
Existing Conditions Analyses

Community-led,
collaborative planning effort
– to wrap up in June

Community Engagement



Interactive
Workshops



Informational
Meetings



Email
Blasts



Focus
Groups

Technical Advisory Committee
advising on data and information
accuracy and verification

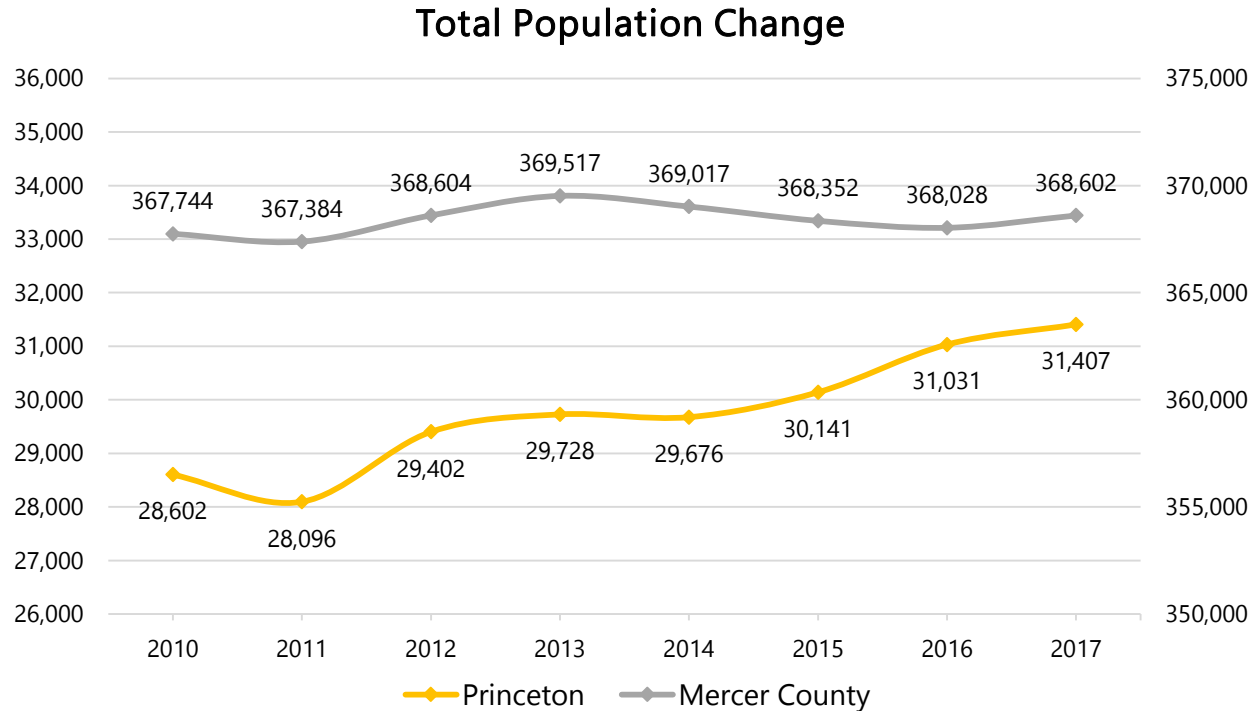
Community Ambassadors
are assisting in engaging the
community in the process

TODAY'S FORUM

- Project Team Highlights of Findings
 - Demographics, Housing and Enrollment Projections
 - Facilities – Buildings, Sites, Capacity, Utilization and Programming
 - Educational Programming
- Group Exercises and Discussion
- Reports and YOUR Assignment
- Next Steps

DEMOGRAPHICS, HOUSING AND ENROLLMENT

TOTAL POPULATION



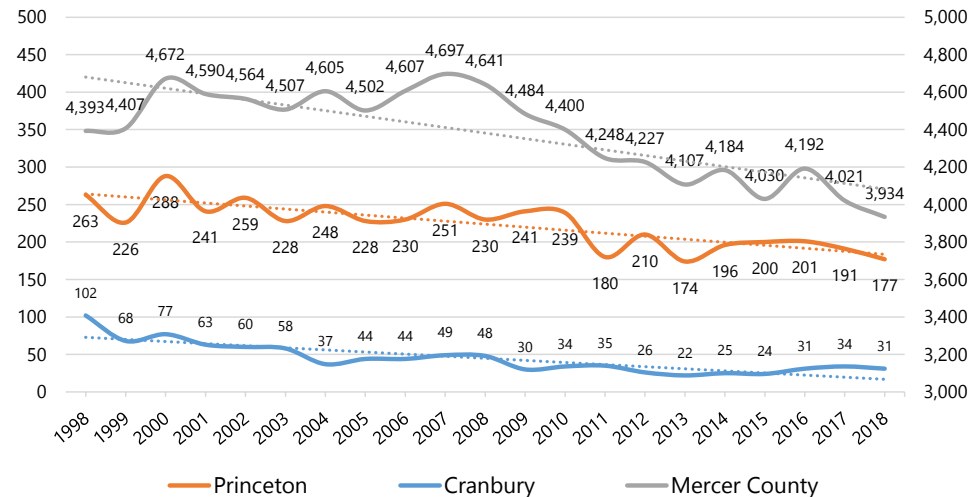
Source: NJ Dept. of Public Health Annual Population Estimates

- Estimated 9.7% population growth in Princeton since 2010 – 5.8% since 2014
- Compared to estimated 0.6% growth in Mercer County and 1.2% growth in NJ since 2010

BIRTHS

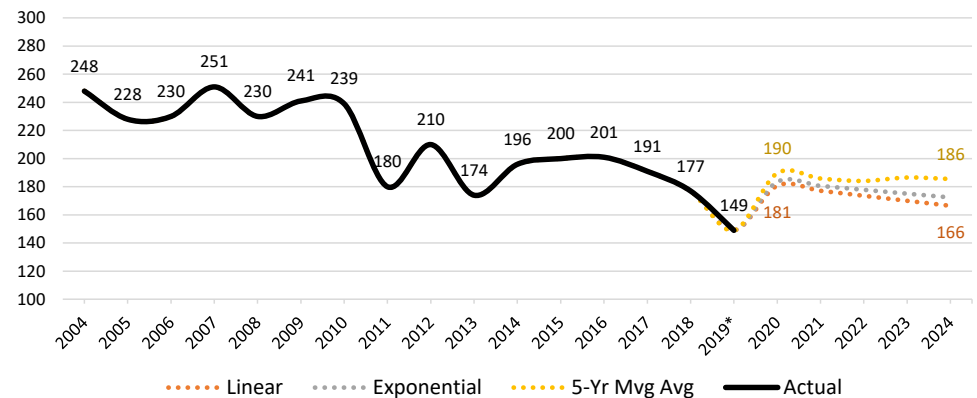
- 23% decrease in births from 2008 to 2018
- Relatively stable births during most recent total population growth phase
- Cranbury elevated birth cohorts of 2005 – 2008 correspond with current and next three incoming 9th grade cohorts
- Jan – Nov 2019 birth data running lowest of recent history with an estimated 26% decrease since 2016
 - Discarded in projecting births due to anomalous and preliminary nature
- Mathematical models (linear, exponential and moving average trends) used to project range of births

Birth Trends



Source: NJ Dept. of Public Health

Princeton Actual and Projected Births



*2019 estimated based on Jan - Nov. reported births

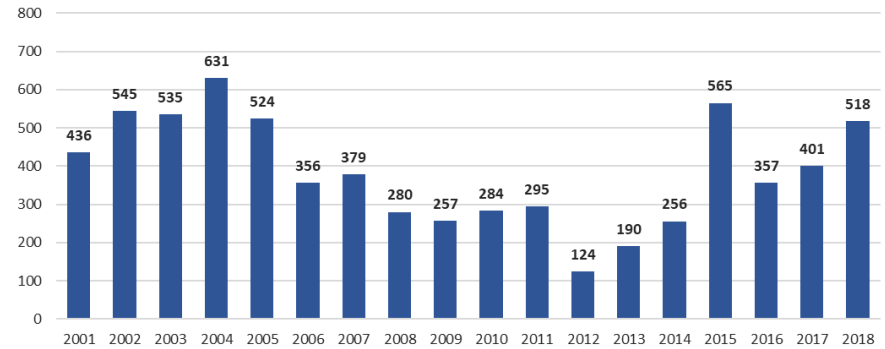
Source: NJ Dept. of Public Health

HOUSING SALES AND CONSTRUCTION

- Housing sales peaked in 2015 and again in 2018
- Averaging about 425 units annually since 2016
- Multi-family permitting peaked in 2013 and 2015, with subsequent peaks in occupancy occurring in 2015 and 2017

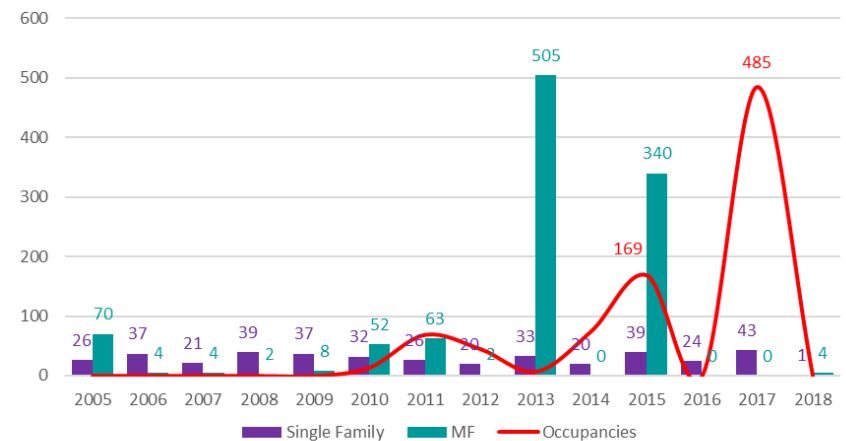
(Sundance Projections Report, 2019)

Princeton Residential Home Sales
2001-2018



Source: Preliminary Enrollment Projections Findings Report by Sundance Associates, Fall 2019 Update

Residential Permitting & Occupancies



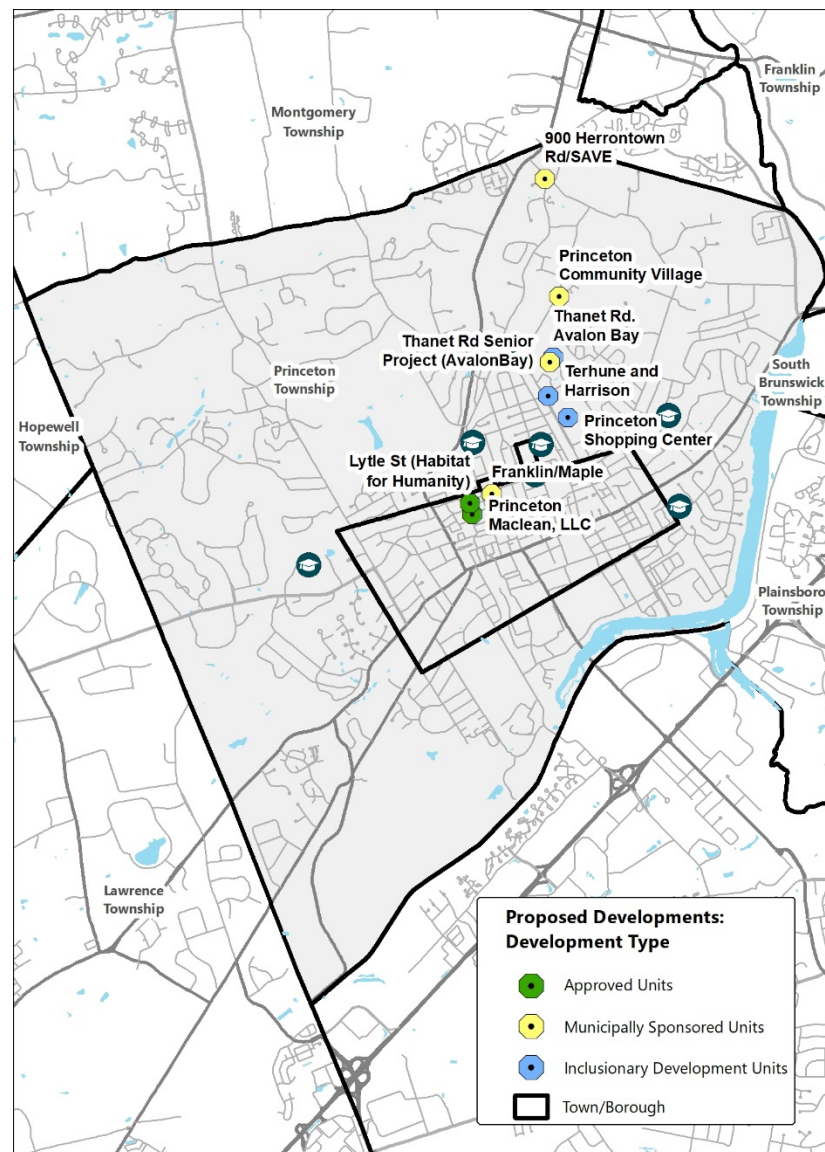
Source: Preliminary Enrollment Projections Findings Report by Sundance Associates

ANTICIPATED HOUSING

Development	Address	Type	Total Units	Affordable Units
Princeton Maclean, LLC	30 Maclean St	Family Rental	10	2
Lytle St (Habitat for Humanity)	31 Lytle St	Family Sale	2	2
Total Approved Units			12	4
Princeton Community Village	Karl Light Blvd	Family Rental	24	24
Fanklin Ave and Maple Terrace	Franklin Ave	Family Rental	80	80
RPM - 900 Herrontown Road (SAVE)	900 Herrontown Rd	Family Rental	64	64
Thanet Road Senior Project (AvalonBay)	100 Thanet Rd	Age Restricted Rental	80	80
Group Homes		Group Homes	16	16
Total Municipally Sponsored			264	264
Terhune and Harrison	351 Terhune Rd	Family Inclusionary	60	12
Princeton Shopping Center	301 North Harrison St	Family Inclusionary	200	44
Thanet Road (AvalonBay)	100-101 Thanet Rd	Family Rental	211	11
Herrontown Rd. S-2	Herrontown	Family Rental	94	19
Nassau St. Overlay	Nassau St.	Family Rental	52	10
Total Inclusionary Development			617	96
TOTAL:			893	364

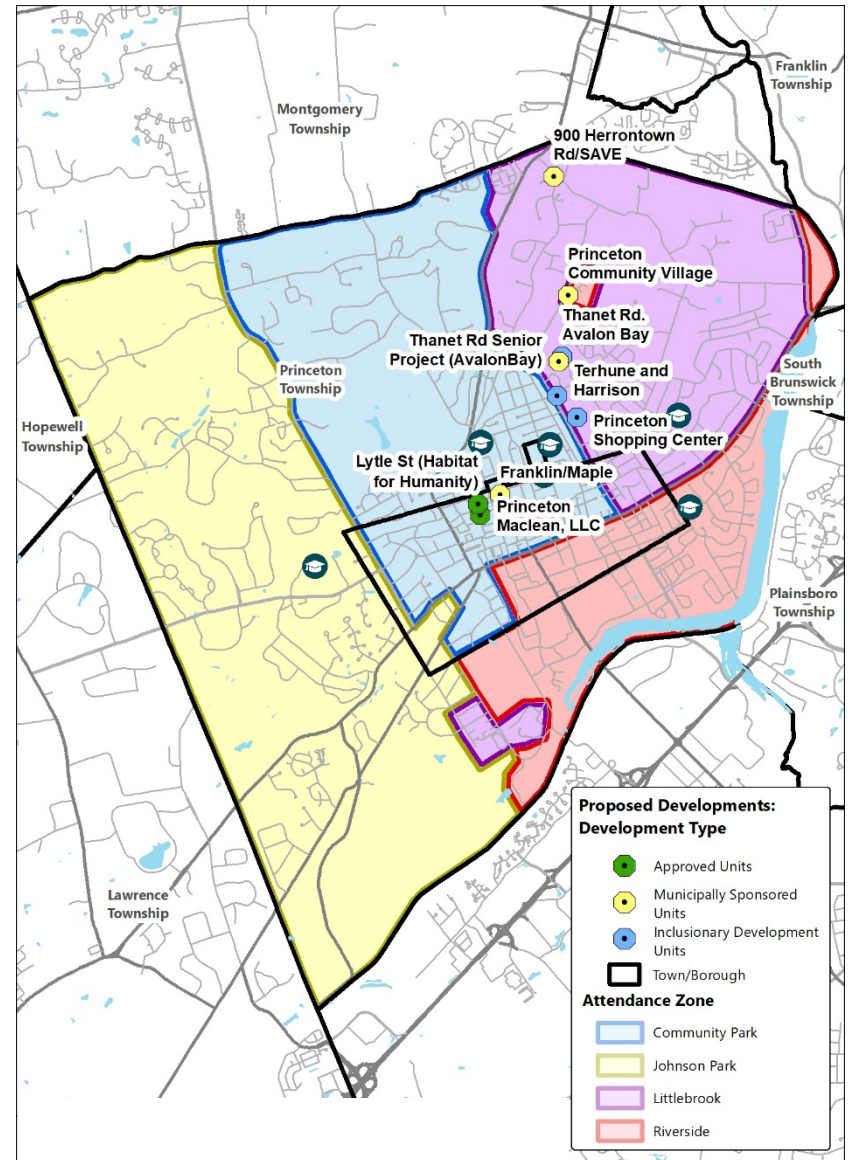
Source: December 2019 Agreement Between Fair Share Housing Center and Municipality of Princeton

- Final Fair Share Housing agreement anticipates 880 units to be built over the next several years
- About 40% of anticipated units will be affordable
- At least 100 of the units not designed for families (age-restricted, group homes)



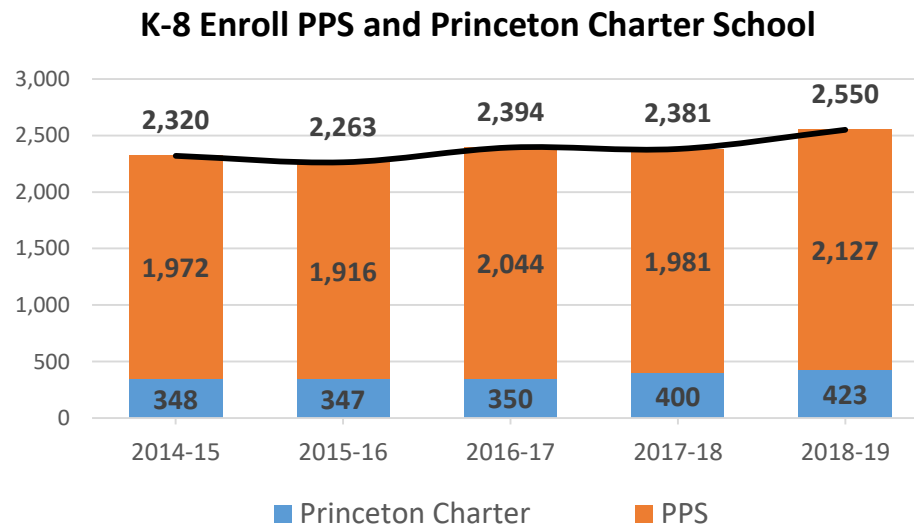
ANTICIPATED HOUSING BY SCHOOL ZONE

- Five of the eight developments that would likely generate students are in Littlebrook's attendance area, the remaining three are in Community Park, and Riverside (Satellite Zone)
 - Approximately 645 units in Littlebrook
 - Approximately 90 units in Community Park
 - Approximately 40 units in Riverside
- Included in these projects are affordable housing units
 - About 150 units in Littlebrook
 - About 80 units in Community Park
 - About 25 units in Riverside

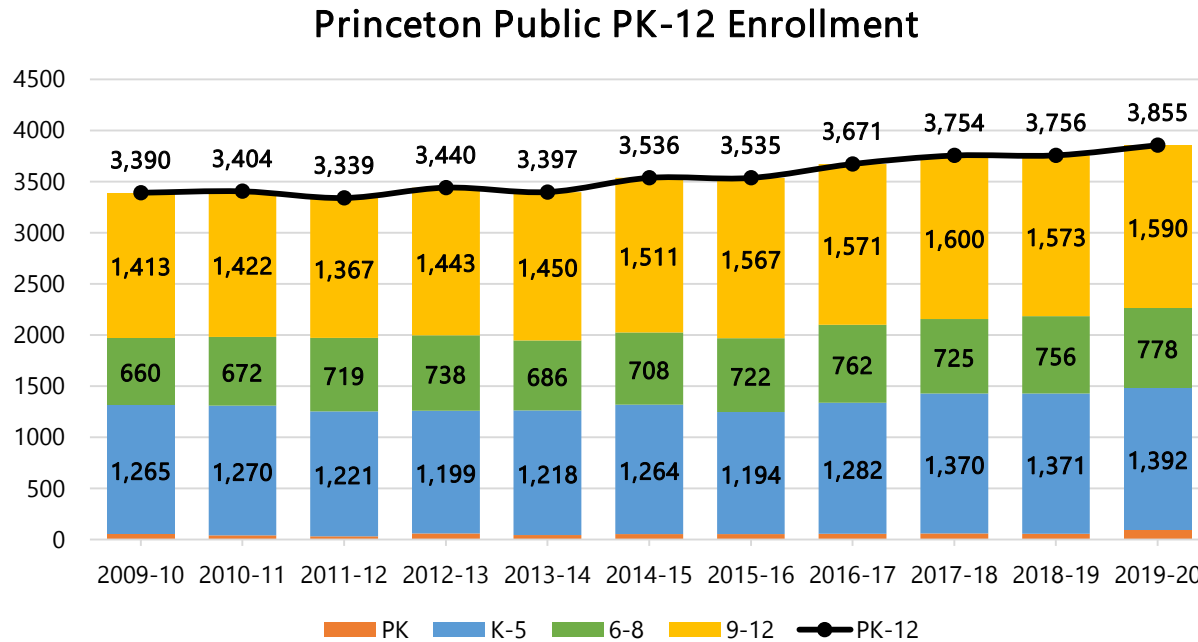


PRINCETON RESIDENT ENROLLMENT

- About 15% of Princeton resident students attend private schools
 - Highest rates in elementary and high school levels (*Sundance Report, 2019*)
- Princeton Charter School recently added seats in K and 1st grades, increasing enrollment to 424 per year
 - Princeton resident students traditionally comprise the vast majority of Princeton Charter enrollments (preferential admissions policy)
- K-8 enrollment of resident students in PPS and Princeton Charter School up 10% over the last four years



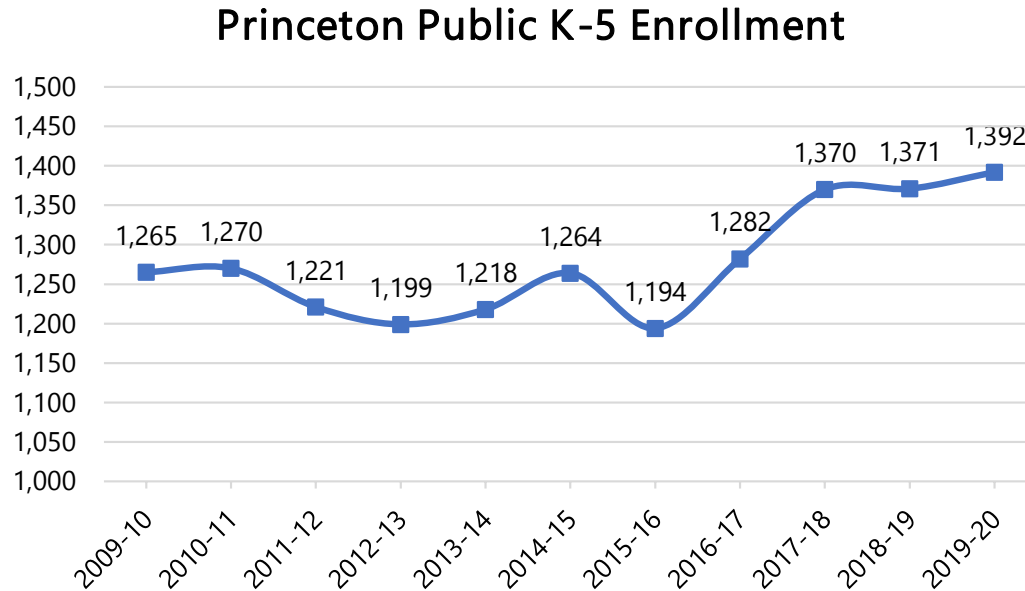
PRINCETON PUBLIC ENROLLMENT TRENDS



Source: Princeton Public Schools

- Over last decade, PK-12 enrollment has increased by 465 students or 14%
- Over the last four years, total PK-12 enrollment has increased 9%
- Increases felt across all grade groupings over the last decade
 - Elementary (K-5) enrollment has increased 10%
 - Middle School (6-8) enrollment has increased 18%
 - High School (9-12) enrollment has increased 13%

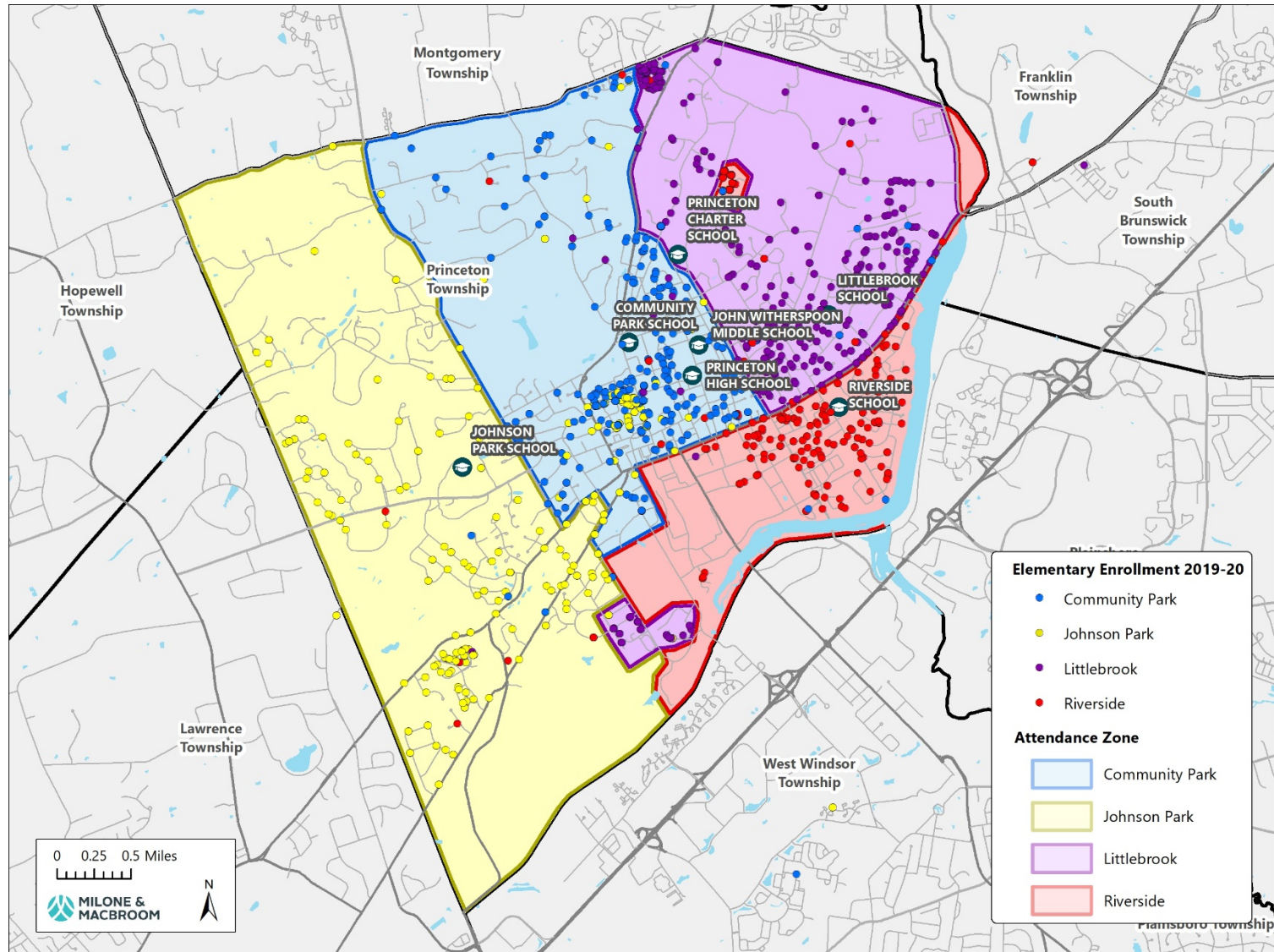
PRINCETON PUBLIC ENROLLMENT TRENDS



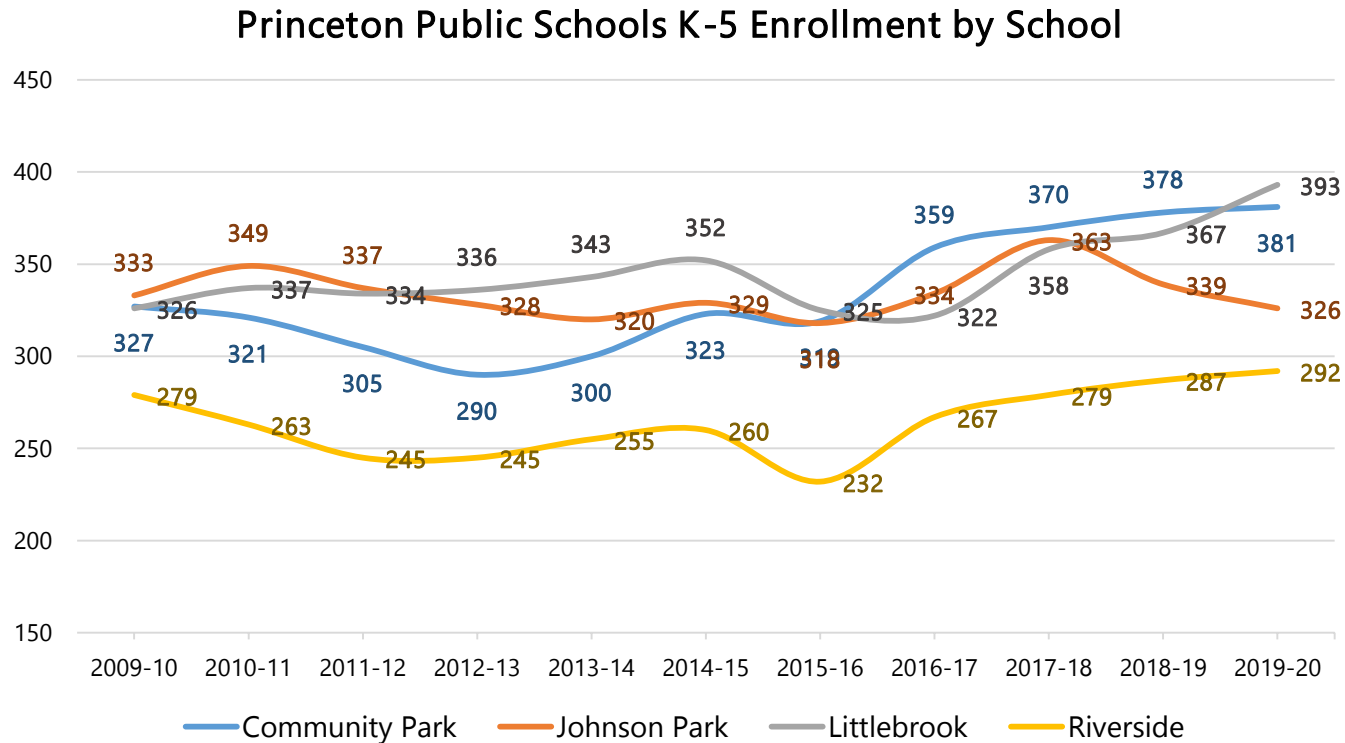
Source: Princeton Public Schools

- Elementary enrollment has increased by 127 students over the last decade
- Since 2015-16, however, K-5 enrollment has increased by 198 students or 17%
- 2019-20 K-5 enrollment of 1,392 is highest of the last decade

PRINCETON PUBLIC ENROLLMENT TRENDS



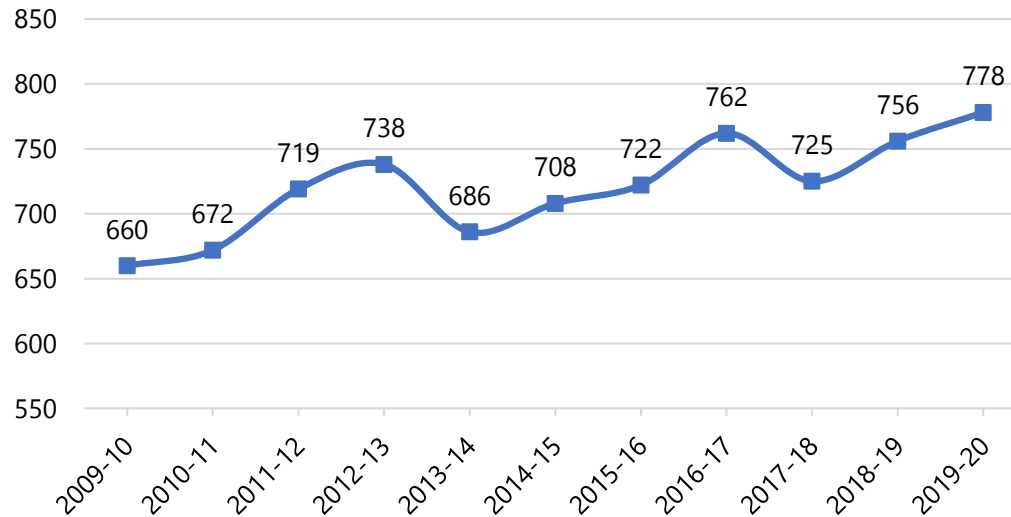
PRINCETON PUBLIC ENROLLMENT TRENDS



- Only Johnson Park has experienced any decline in enrollment over the last four years, though it is up slightly (<1%) from 2015-16
- Community Park has increased 19% since 2015-16
- Littlebrook has increased 21% over last four years
- Riverside has increased 26% since 2015-16

PRINCETON PUBLIC ENROLLMENT TRENDS

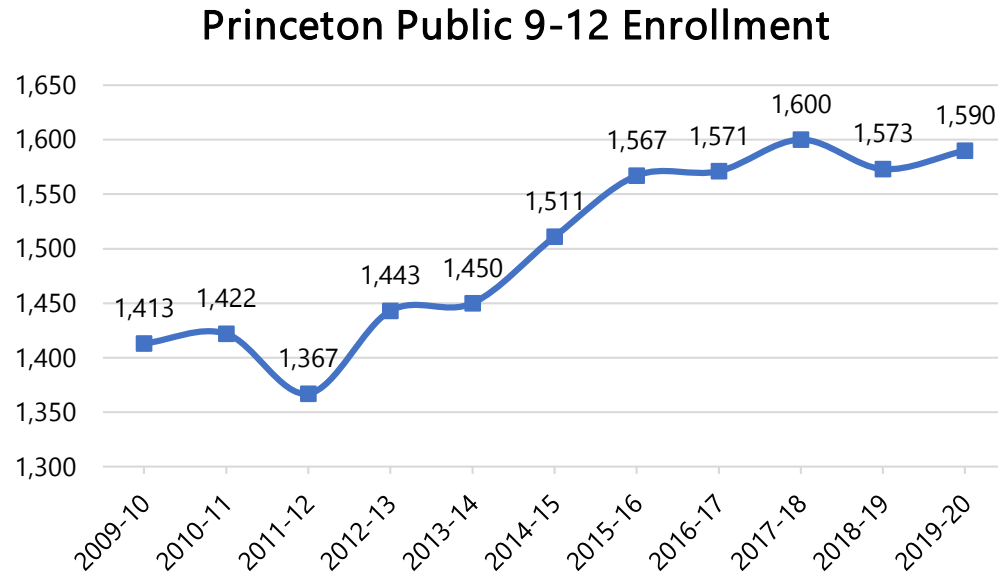
Princeton Public 6-8 Enrollment



Source: Princeton Public Schools

- Middle school enrollment has increased by 118 students over the last decade
- Since 2015-16, middle school enrollment has increased by 8%
- 2019-20 enrollment is the highest of the last decade
- General increasing trend since 2013-14, despite dip in 2017-18 with the matriculation of an unusually large 8th grade to high school level

PRINCETON PUBLIC ENROLLMENT TRENDS



Source: Princeton Public Schools

- PHS enrollment has increased by 177 students or 13% over the last decade
- Only 1.5% growth over the last four years
- Most recent peak enrollment occurred in 2017-18
- Unusually small cohort currently in 12th grade has affected last three years' total enrollments

ENROLLMENT HISTORY DETAIL

School Year	Births 5-Years Previous	K	1	2	3	4	5	6	7	8	9	10	11	12	PK	K-12 Total	PK-12 Total	K-5 Total	6-8 Total	9-12 Total
2009-10	248	195	242	184	201	233	210	208	236	216	353	365	344	351	52	3,338	3,390	1,265	660	1,413
2010-11	228	197	205	248	165	217	238	221	213	238	354	366	358	344	40	3,364	3,404	1,270	672	1,422
2011-12	230	182	202	216	230	161	230	251	238	230	319	347	343	358	32	3,307	3,339	1,221	719	1,367
2012-13	251	191	184	198	209	240	177	231	265	242	375	368	353	347	60	3,380	3,440	1,199	738	1,443
2013-14	230	198	181	194	197	210	238	180	231	275	379	376	360	335	43	3,354	3,397	1,218	686	1,450
2014-15	241	208	211	212	197	199	237	247	208	253	404	379	375	353	53	3,483	3,536	1,264	708	1,511
2015-16	239	195	207	211	195	189	197	243	260	219	400	415	383	369	52	3,483	3,535	1,194	722	1,567
2016-17	180	215	220	223	207	222	195	224	257	281	358	411	421	381	56	3,615	3,671	1,282	762	1,571
2017-18	210	214	230	235	223	237	231	219	246	260	413	365	407	415	59	3,695	3,754	1,370	725	1,600
2018-19	174	198	230	231	223	242	247	261	231	264	387	428	349	409	56	3,700	3,756	1,371	756	1,573
2019-20	196	197	208	248	239	237	263	262	270	246	390	422	421	357	95	3,760	3,855	1,392	778	1,590

Source: Princeton Public Schools

- Current 8th and 12th grade cohorts have been smaller throughout their matriculation, despite consistent in-migration
- Larger cohorts that entered in 2016-17 and 2017-18 are 40-50 students greater per grade at the elementary level than just 5 – 6 years ago

COHORT SURVIVAL AND ESTIMATE OF MIGRATION

Kindergarten through 12th Grade Persistency Ratios by School Year 2010-11 to 2019-20														
Year	B-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	Est. of Migration
2010-11	0.8640	1.0513	1.0248	0.8967	1.0796	1.0215	1.0524	1.0240	1.0085	1.6389	1.0368	0.9808	1.0000	1.7%
2011-12	0.7913	1.0254	1.0537	0.9274	0.9758	1.0599	1.0546	1.0769	1.0798	1.3403	0.9802	0.9372	1.0000	3.3%
2012-13	0.7610	1.0110	0.9802	0.9676	1.0435	1.0994	1.0043	1.0558	1.0168	1.6304	1.1536	1.0173	1.0117	2.2%
2013-14	0.8609	0.9476	1.0543	0.9949	1.0048	0.9917	1.0169	1.0000	1.0377	1.5661	1.0027	0.9783	0.9490	1.4%
2014-15	0.8631	1.0657	1.1713	1.0155	1.0102	1.1286	1.0378	1.1556	1.0952	1.4691	1.0000	0.9973	0.9806	8.5%
2015-16	0.8159	0.9952	1.0000	0.9198	0.9594	0.9899	1.0253	1.0526	1.0529	1.5810	1.0272	1.0106	0.9840	0.2%
2016-17	1.1944	1.1282	1.0773	0.9810	1.1385	1.0317	1.1371	1.0576	1.0808	1.6347	1.0275	1.0145	0.9948	7.1%
2017-18	1.0190	1.0698	1.0682	1.0000	1.1449	1.0405	1.1231	1.0982	1.0117	1.4698	1.0196	0.9903	0.9857	6.7%
2018-19	1.1379	1.0748	1.0043	0.9489	1.0852	1.0422	1.1299	1.0548	1.0732	1.4885	1.0363	0.9562	1.0049	4.8%
2019-20	1.0051	1.0505	1.0783	1.0346	1.0628	1.0868	1.0607	1.0345	1.0649	1.4773	1.0904	0.9836	1.0229	6.0%
7-YR Avg	0.9852	1.0474	1.0648	0.9850	1.0580	1.0445	1.0758	1.0648	1.0595	1.5266	1.0291	0.9901	0.9888	
6-YR Avg	1.0059	1.0640	1.0666	0.9833	1.0668	1.0533	1.0856	1.0755	1.0631	1.5201	1.0335	0.9921	0.9955	
5-YR Avg	1.0345	1.0637	1.0456	0.9769	1.0782	1.0382	1.0952	1.0595	1.0567	1.5302	1.0402	0.9910	0.9985	
4-YR Avg	1.0891	1.0808	1.0570	0.9912	1.1078	1.0503	1.1127	1.0613	1.0576	1.5175	1.0435	0.9861	1.0021	
3-YR Avg	1.0540	1.0650	1.0503	0.9945	1.0976	1.0565	1.1046	1.0625	1.0499	1.4785	1.0488	0.9767	1.0045	
3-YR Wgt Avg	1.0517	1.0618	1.0519	1.0003	1.0839	1.0642	1.0942	1.0519	1.0588	1.4797	1.0606	0.9756	1.0107	

Source: Princeton Public Schools, MMI Projections Methods

Estimation of Migration calculated analyzing grades 1-7 vs. grades 2-8 in the subsequent year

- Cohort survival ratios are calculated from historic enrollment data to determine growth or loss in a class as it progresses through school system
- Generally consistent growth in cohorts over the last four years; six-year average cohort survival ratios is standard for NJ
- Relatively consistent in-migration over the last four years, averaging about 6% in-migration to elementary and middle grades per year

NEW TO DISTRICT STUDENTS

New to District Students by Grade Level (1-12)

Grade Level	2016-17	2017-18	2018-19	2019-20	Total	4-Year % Change
Elementary	199	206	200	201	806	1%
Middle	122	128	133	110	493	-10%
High	171	185	178	207	741	21%
Total	492	519	511	518	2,040	5%

Source: Princeton Public Schools

- MMI analysis comparing student IDs from one year to next – any ID not present in prior year considered new to district
 - PK and K excluded
 - Cranbury entering 9th graders excluded
- Highly consistent numbers for elementary
- Relatively consistent middle and high school, although 2019-20 saw an increase in new high schoolers and decrease in new middle schoolers
- Identified about 25-30 new to district students from 2019-20 whose student IDs were present in earlier years (actually students returning to district, rather than “new”)

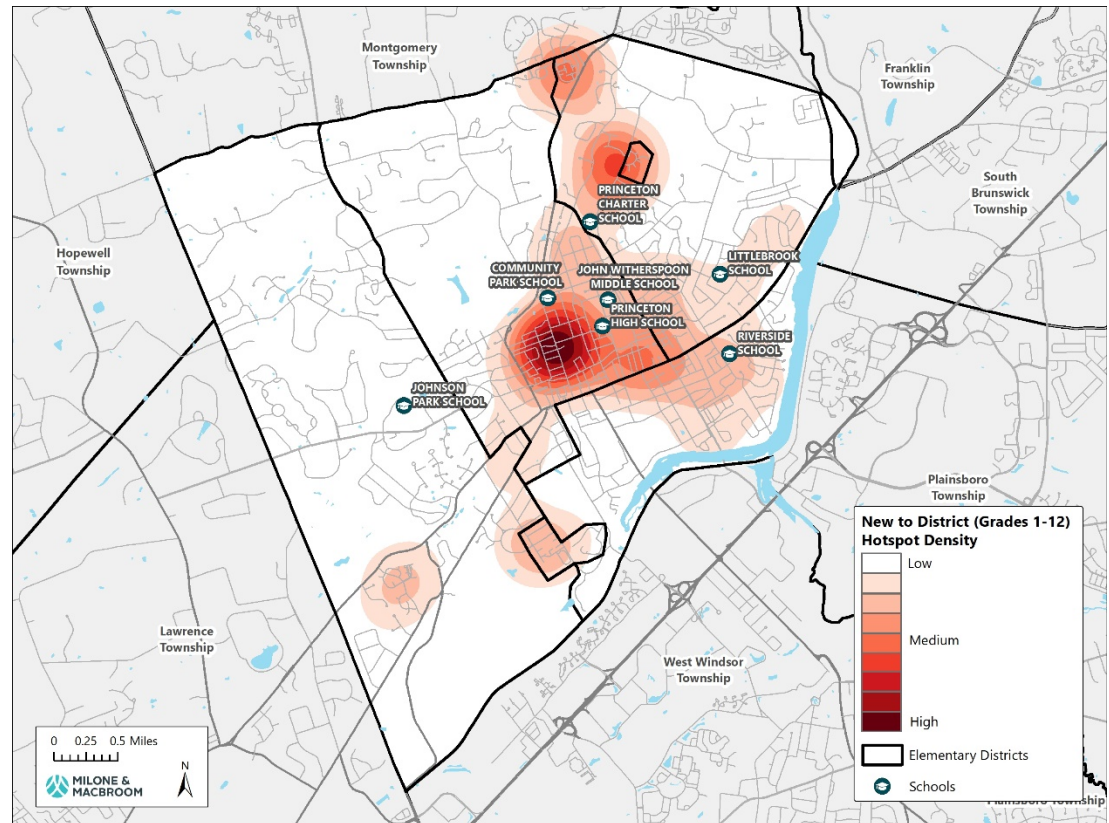
NEW TO DISTRICT STUDENTS

- Community Park and Littlebrook attendance areas have had the most new to district students, 67% of all new students since 2016-17
- Johnson Park attendance area had the largest decline in new to district students dropping 35% over the four-year period

New to District Students by Attendance Zone (1-12)

Row Labels	2016-17	2017-18	2018-19	2019-20	Total	4 Year % Change
Community Park	200	198	211	189	798	-6%
Johnson Park	92	92	77	60	321	-35%
Littlebrook	114	163	145	165	587	45%
Riverside	70	49	59	85	263	21%
Out of Town	16	17	19	19	71	19%
Total	492	519	511	518	2,040	5%

Source: Princeton Public Schools



STUDENT CHURN

K-11 Students Not Returning to District

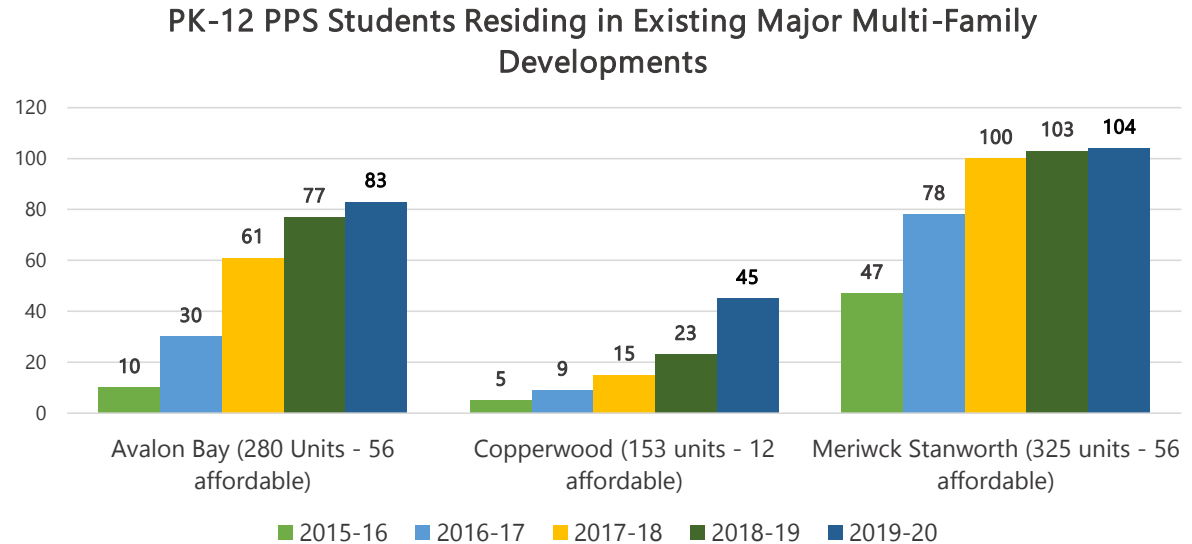
2016-17 to 2017-18	2017-18 to 2018-19	2018-19 to 2019-20
338	362	313

Source: Princeton Public Schools

- Analyzed student IDs for those that did not return from one year to the next
- PreK and 12th grade excluded
- While the District has gained about 500 new to district students each of the last three years, it has also lost about 335 per year
 - Significant churn within system
 - Competing educational offerings (other public and private schools)
 - Transient population

STUDENTS FROM RECENTLY BUILT MULTI-FAMILY

- Existing multi-family developments comparable to some of the anticipated development
- Of the 200 – 230 students in these developments over the past two years:
 - 52% PK-5
 - 22% middle schoolers
 - 26% high schoolers



- Over the last two years, 24% of students residing in these developments were identified as new to district (student IDs not in PPS system the year before)
 - 30% at Avalon
 - 50% at Copperwood
 - 12% at Meriwick Stanworth
- These developments have contributed to elevated cohort survival rates over the last four years, and the majority of these units appear to be stabilizing in number of students

PROJECTIONS PRIMER

Cohort Survival Method

- Based on Cohort Survival Methodology - standard method for enrollment projections
- The Cohort Survival Methodology relies on **observed data from the recent past in order to predict the near future**
- Methodology works well for stable populations, including communities that are growing or declining at a steady rate
- Based on cohort “survival” as a grade matriculates
 - Survival rates account for the various external factors affecting enrollments, including housing characteristics, residential development, economic conditions, student transfers in and out of the system, and student mobility
- Changes in population, housing stock and tenure, and economic conditions help explain persistency ratios
- Changes in programming (e.g. dual language immersion program expansion) affect persistency ratios of individual schools

PROJECTIONS PRIMER

Models

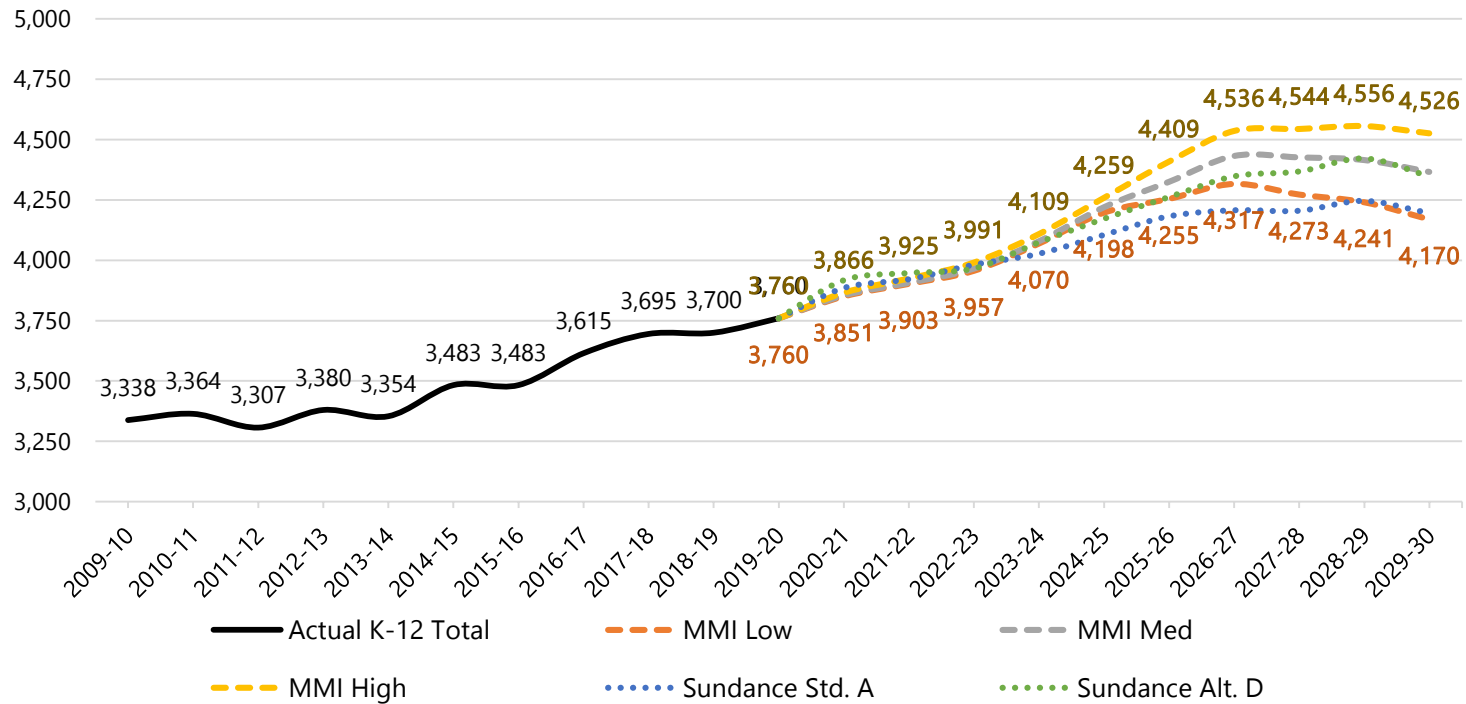
- Three projections models prepared
 - Low model assumes lowest of most recent trends persist (5-year trend), low birth projections and 75% Fair Share Housing unit occupancy/ student generation by 2027
 - Medium model assumes most recent trends persist (3-year weighted trend), medium birth projections and 90% of Fair Share Housing unit occupancy/ student generation by 2027
 - High model assumes highest of most recent trends persist (3-year trend), high birth projections and 100% Fair Share Housing unit occupancy/ student generation by 2027
- Student multipliers provided by Nassau Capital Advisors, based on Econsult Solutions, Inc. data, were phased into baseline projections

Assumptions

- PK increases to and remains at 100 students
- No changes to PPS programming or availability of private and other public school seats in region
- Phased construction of Fair Share Housing units through 2027 based on current property dispositions/ zoning and funding status

DISTRICTWIDE PROJECTIONS

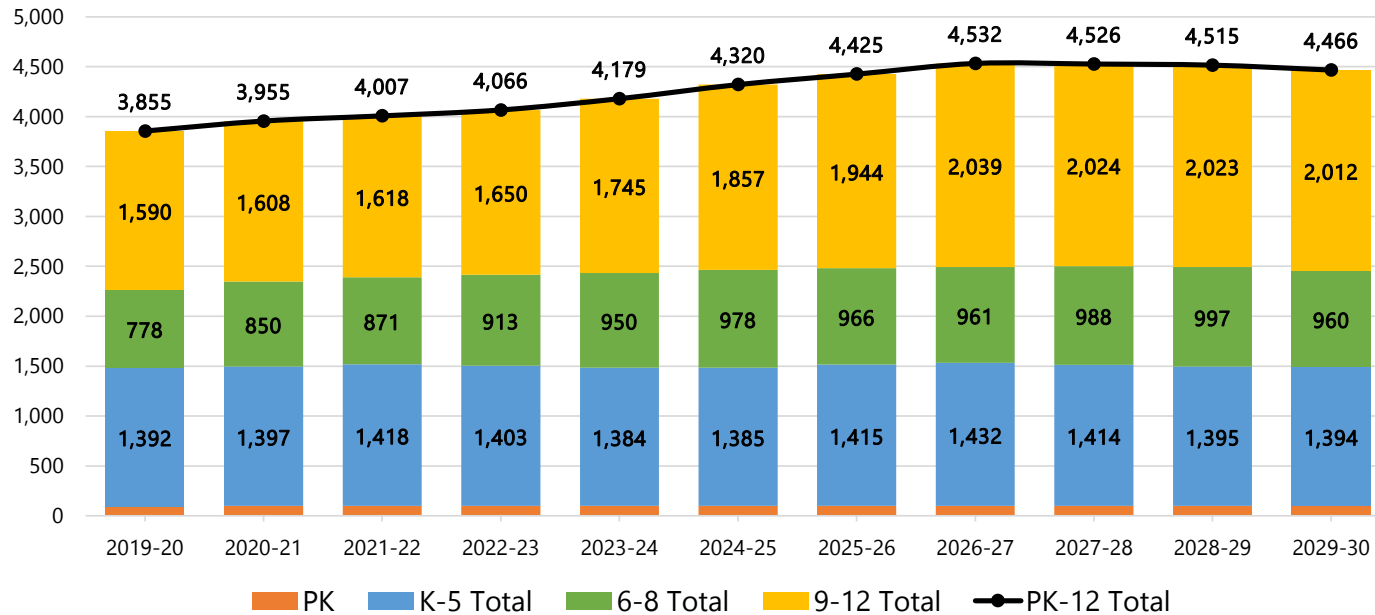
Princeton K-12 Enrollment
Actual and Projected



- General agreement with previously prepared projections from Sundance
- K-12 projected to grow between 11.6% and 13.3% out five years, and between 11 and 20% out ten years

DISTRICTWIDE PROJECTIONS

Princeton Public Projected PK-12 Enrollment
Medium Model

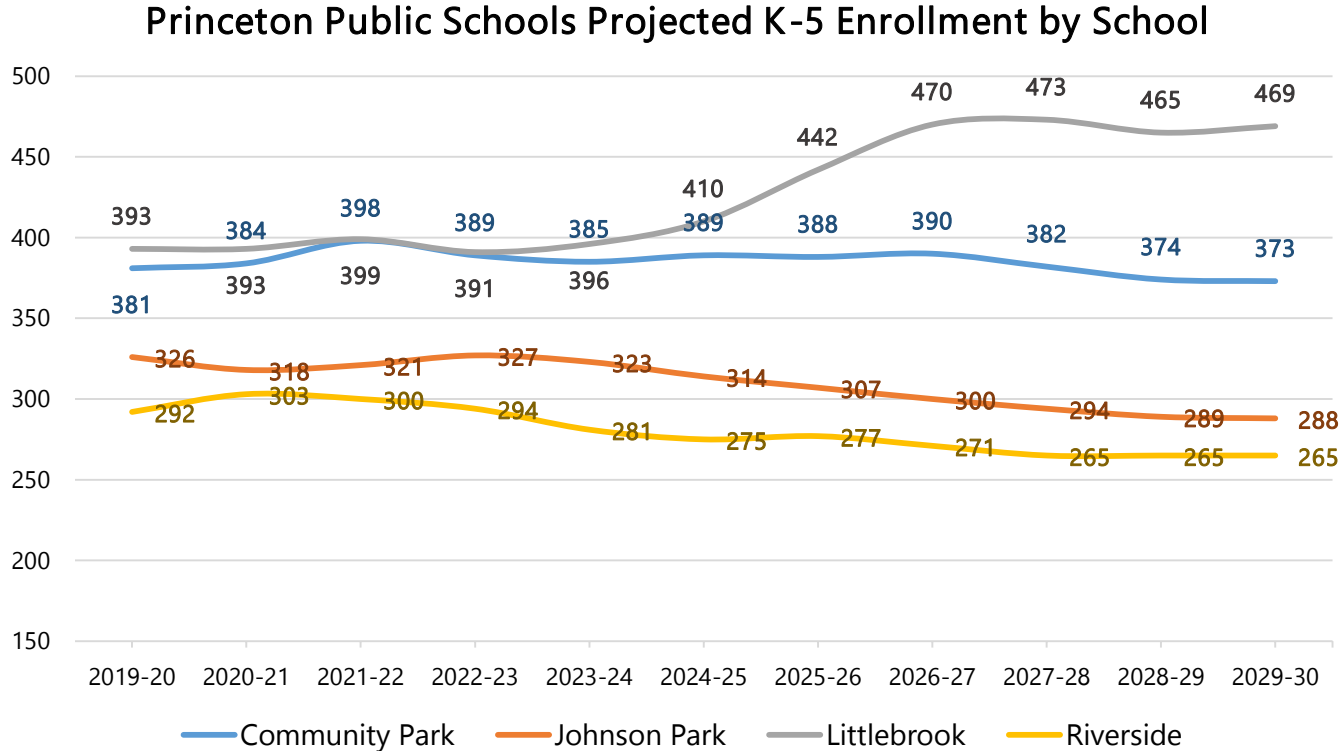


- Medium model best fits current data (incorporates recent occupancy ramp up of multi-family developments and assumes significant build out and occupancy of Fair Share Housing units)
- Projects 12% growth out five years with continued growth out seven years before flattening off to a total of 16% increase out ten years
- Most of that growth is felt in the middle and high school levels, due to some larger cohorts that have recently entered the system, and assumed continued in-migration

DETAILED DISTRICTWIDE MEDIUM PROJECTIONS

School Year	Births 5-Years Previous	K	1	2	3	4	5	6	7	8	9	10	11	12	PK	K-12 Total	PK-12 Total	K-5 Total	6-8 Total	9-12 Total
2019-20	196	197	208	248	239	237	263	262	270	246	390	422	421	357	95	3,760	3,855	1,392	778	1,590
2020-21	200	210	209	219	248	259	252	288	276	286	364	409	412	423	100	3,855	3,955	1,397	850	1,608
2021-22	201	211	223	220	219	269	276	276	303	292	423	382	399	414	100	3,907	4,007	1,418	871	1,618
2022-23	191	201	224	235	220	237	286	302	290	321	432	444	373	401	100	3,966	4,066	1,403	913	1,650
2023-24	177	190	217	240	239	242	256	317	322	311	477	455	436	377	100	4,079	4,179	1,384	950	1,745
2024-25	149	168	208	234	246	266	263	288	342	348	461	505	449	442	100	4,220	4,320	1,385	978	1,857
2025-26	183	208	184	223	240	273	287	294	308	364	508	487	496	453	100	4,325	4,425	1,415	966	1,944
2026-27	181	213	228	199	231	266	295	319	314	328	527	535	478	499	100	4,432	4,532	1,432	961	2,039
2027-28	178	211	227	240	202	250	284	321	336	331	468	554	524	478	100	4,426	4,526	1,414	988	2,024
2028-29	175	208	225	239	242	217	264	306	338	353	469	490	541	523	100	4,415	4,515	1,395	997	2,023
2029-30	172	207	222	236	240	259	230	283	323	354	502	491	479	540	100	4,366	4,466	1,394	960	2,012

ELEMENTARY (K-5) PROJECTIONS



- Due to the location of many Fair Share Housing units, Littlebrook projected to experience significant growth in the latter half of the projection horizon
- Assumes no changes to current attendance zones or current program offerings
- Does not account for 100 PK students

FACILITIES – BUILDINGS, SITES, CAPACITY, UTILIZATION AND PROGRAMMING

PRINCETON – PROCESS & TASKS TO DATE

FOCUS GROUP

- Kick Off Meeting
- Discussed Past LRFP & Referendum Activities
- Defined Goals

INVESTIGATIVE WORK

- In-Progress
- Reviewed Available Documents
- Toured Schools
- Assess Existing Conditions (HL)
- Understand Current Referendum Efforts

STAKEHOLDER MEETINGS

- In-Progress
- Principals, Athletic-Director, Facilities Dept (Others TBD)
- Technical Committee

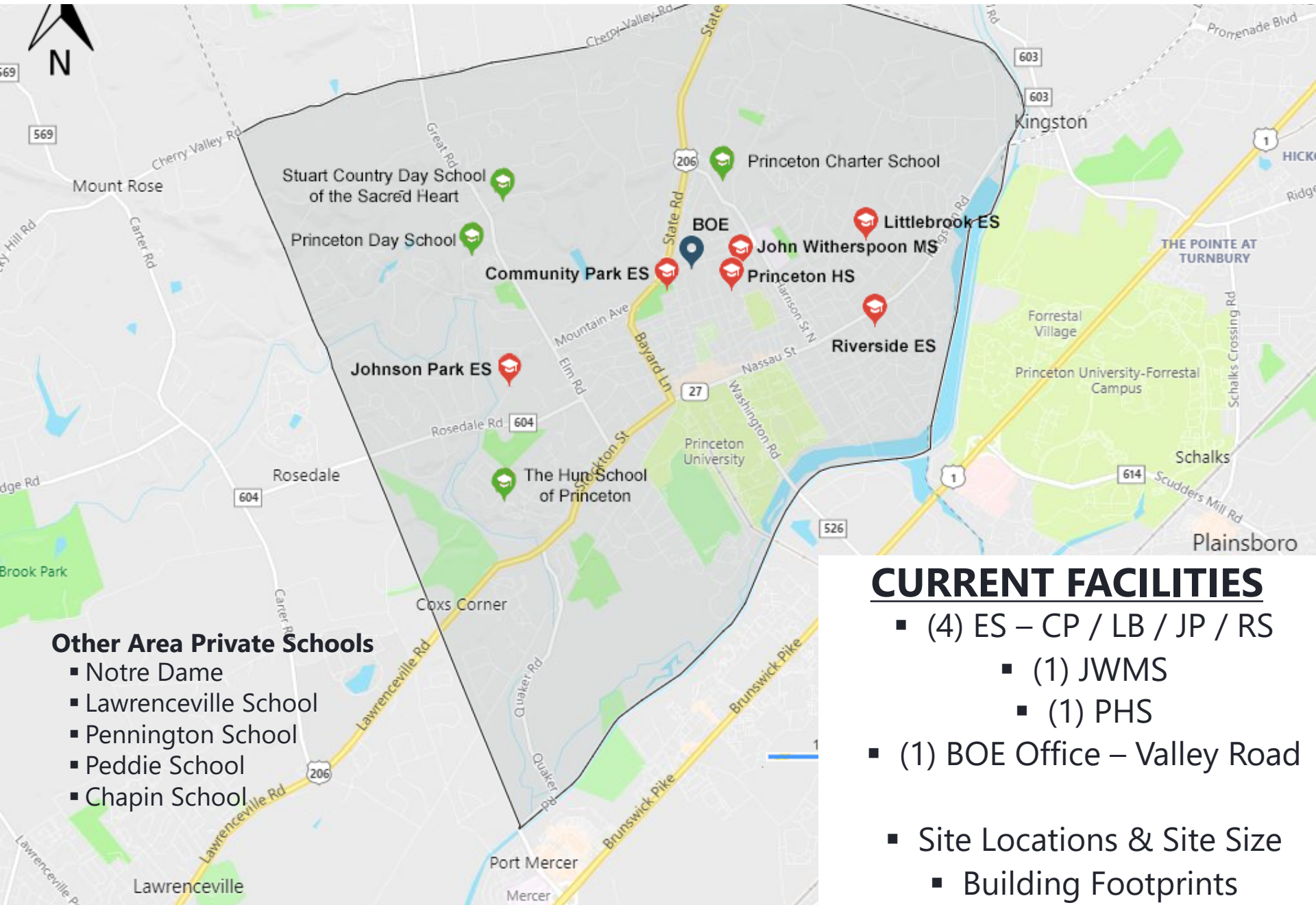
FINDINGS

- In-Progress
- Utilization & Capacity by School
- Summarize High Level Findings by School

COMMUNITY WORKSHOP

- Gain Input

PRINCETON SCHOOL DISTRICT FACILITIES MAP



PRINCETON - COMMUNITY PARK ES



PRINCETON - COMMUNITY PARK ES



INFORMATION

- Built +/- 1960's
- Additions +/- 2005
- 1 & 2 Story
- Site +/- 7 Acres
- Parking +/-54
- Footprint +/- 41,789 sf
- Building sf
 - 1st Flr: 41,789 sf
 - 2nd Flr: 19,488 sf
 - Total: 61,277 sf

COMMUNITY PARK ES – FACILITY COMMENTS

STRENGTHS:

- Facility Use
- 2nd Floor Program @ CR Wing (Increased Density)
- Adj. Municipal Facilities / Community Park

DEFICIENCIES:

- Parking Shortage
- Restricted Veh. Circ. Bus Pick-Up & Drop-Off
- Hidden Entrance
- Taxed Core Spaces (Gym, Cafetorium, Kitchen)
- Collaboration & Flexible Space (Teacher & Student)
- Specialized Program Space
- Sustainable - Energy Upgrades / Lighting / PV etc...
- Infrastructure Upgrades (Utility Services / Toilets)
- Tight Access to Basement Level

COMMUNITY PARK ES – FACILITY COMMENTS

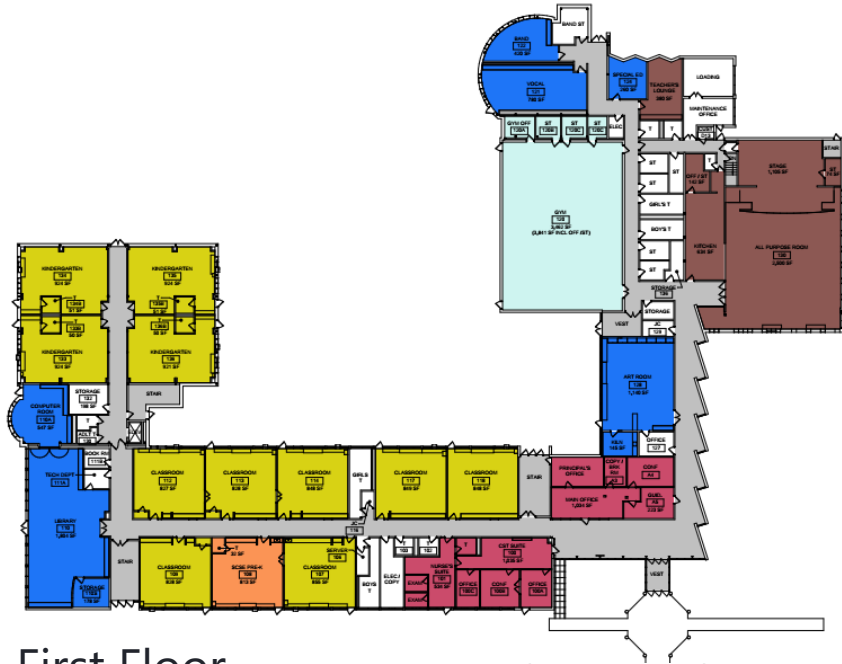
OPPORTUNITIES - BLDG

- Adaptive Reuse of Space
- Core Space Expansion
- Support for Specialized Programs
- Provide Collaboration & Flexible Space (Students & Staff)
- Pride & Image of School
- Sustainability / Energy Efficiency

OPPORTUNITIES - SITE

- Limited Site Area Available to Expand
- Respect Site Features (Will Impact Outdoor Space)

COMMUNITY PARK ES - CAPACITY



First Floor



Second Floor

Existing Room Inventory (School Model) Report

CP	Spiezele (.90)	MMI/ PS&S (.90)
CR Count	23	21
SCSE	3	1
Ed Capacity	384	386
Enroll 2019-20 (PK-5)	407	407
Seat Deficit/ Surplus	-23	-21

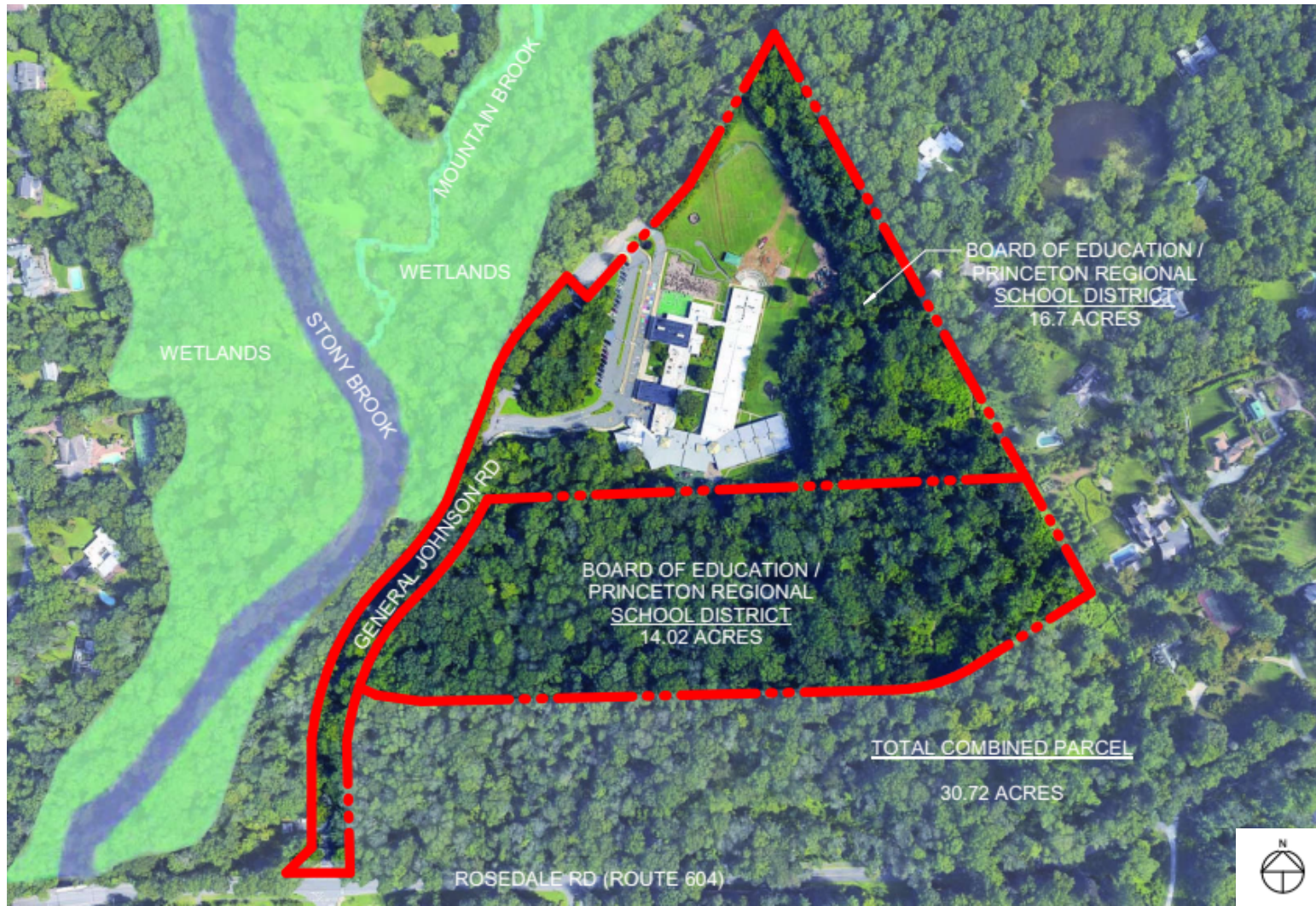
LEGEND

	GENERAL CLASSROOM		SPECIALIZED INST / EXPL
	SCIENCE		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	ACAD SUPPORT		PE / HEALTH

PRINCETON – JOHNSON PARK ES



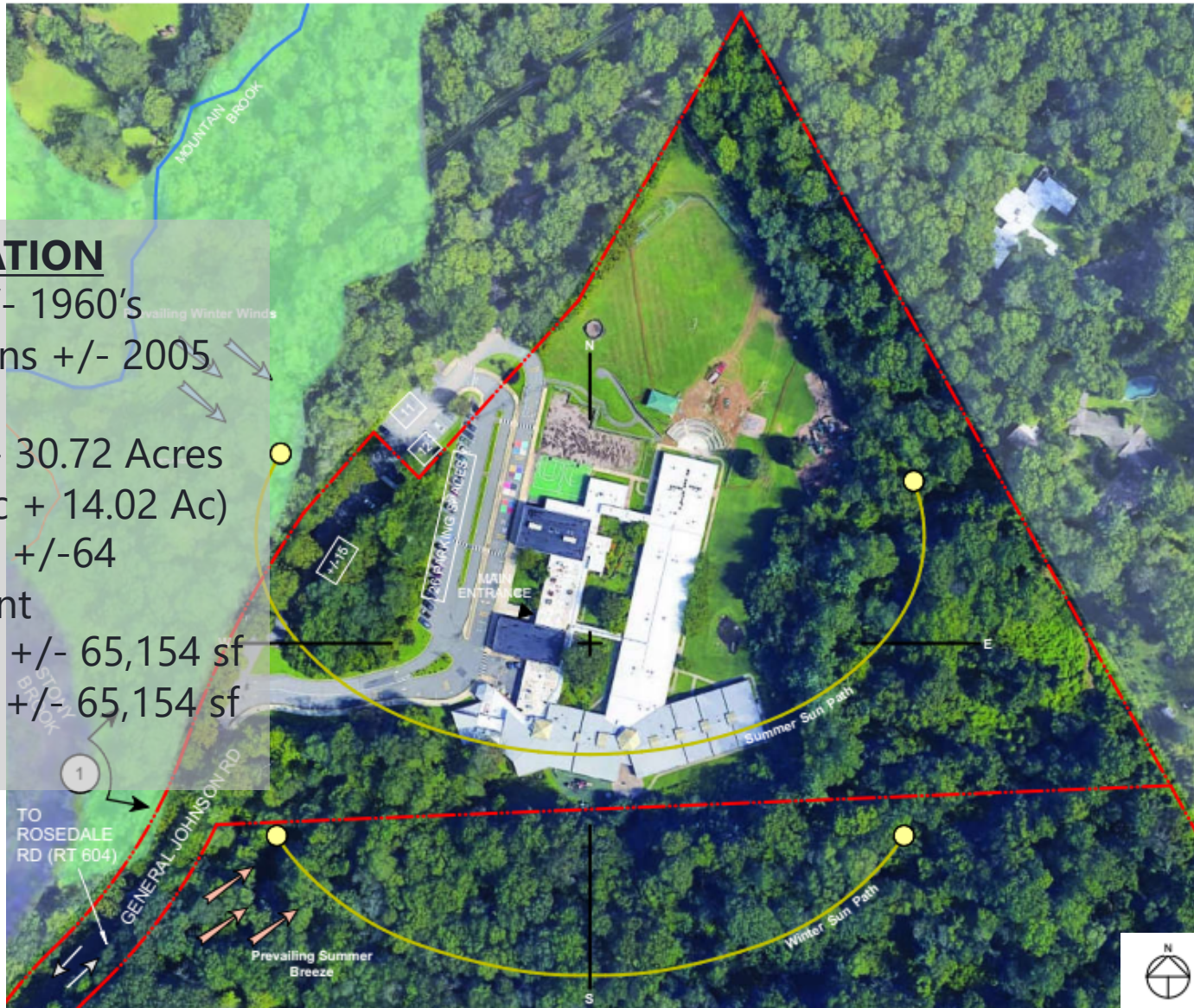
PRINCETON – JOHNSON PARK ES



PRINCETON – JOHNSON PARK ES

INFORMATION

- Built +/- 1960's
- Additions +/- 2005
- 1 Story
- Site +/- 30.72 Acres (16.7 Ac + 14.02 Ac)
- Parking +/- 64
- Footprint Size +/- 65,154 sf
- Bldg Sf +/- 65,154 sf



JOHNSON PARK ES – FACILITY COMMENTS

STRENGTHS:

- Facility / Use
- Building Responds to Sloped Site
- Music / Art Programs
- Site Amphitheater / Amenity

DEFICIENCIES:

- Hidden Entrance
- Taxed Core Spaces (Gym, Cafetorium, Kitchen)
- Collaboration & Flexible Space (Teacher & Student)
- Specialized Program Space
- Sustainable - Energy Upgrades / Lighting / PV etc...
- Infrastructure Upgrades (Utility Services / Toilets)
- Sloping Grade in Courtyards
- Parking Shortage / Parking @ Main Circulation Road (Safety)

JOHNSON PARK ES – FACILITY COMMENTS

OPPORTUNITIES - BLDG

- Adaptive Reuse of Space
- Core Space Expansion
- Support for Specialized Programs
- Provide Collaboration & Flexible Space (Students & Staff)
- Pride & Image of School
- Sustainability / Energy Efficiency

OPPORTUNITIES - SITE

- Site Areas Available to Expand
- Respect Site Features
- Improve Parking & Circulation

JOHNSON PARK ES - CAPACITY



First Floor

LEGEND

	GENERAL CLASSROOM		SPECIALIZED INST / EXPL
	SCIENCE		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	RESOURCE		PE / HEALTH
	ACAD SUPPORT		

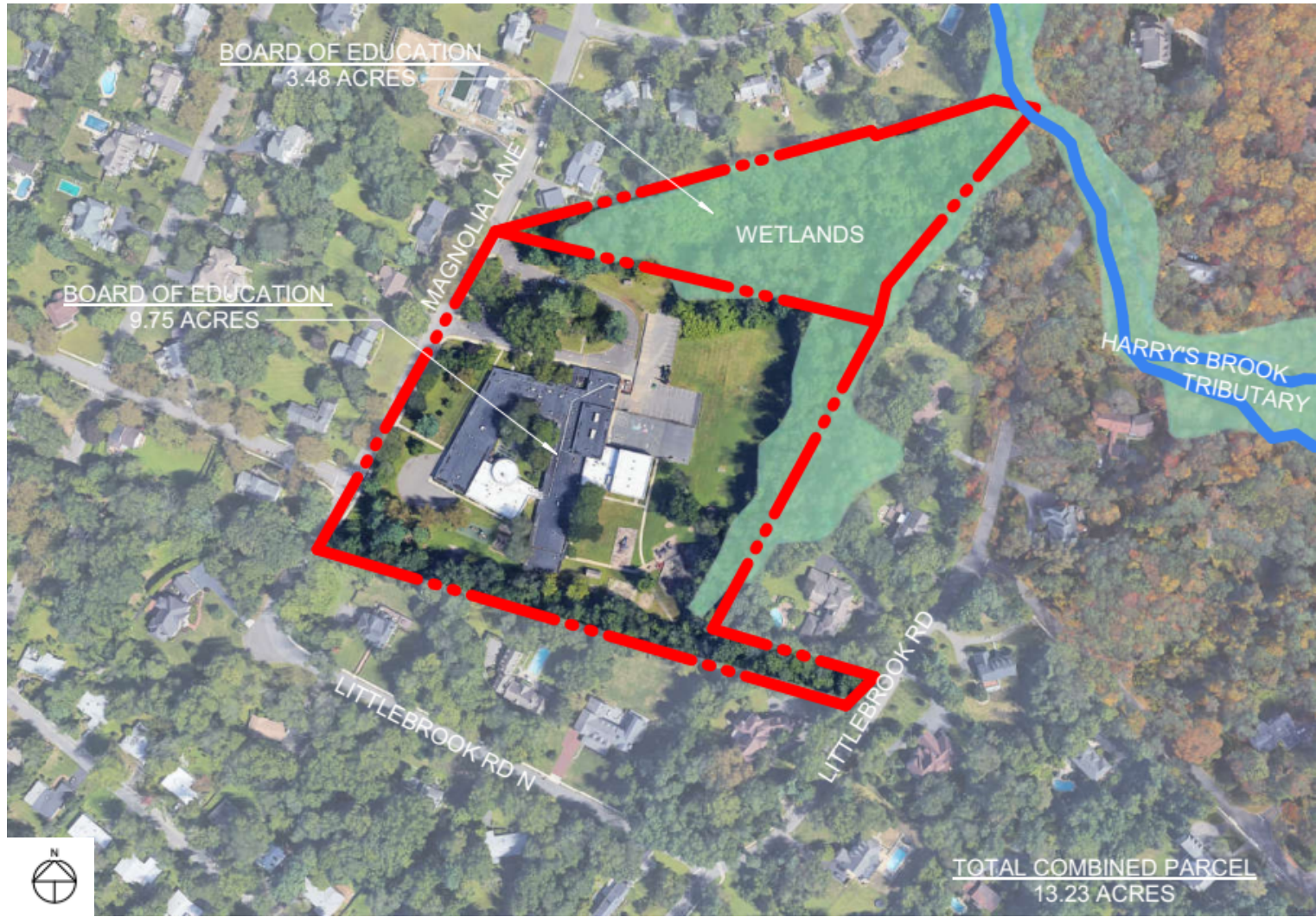
Existing Room Inventory (School Model) Report

JP	Spiezle (.90)	MMI/ PS&S (.90)
SCSE	4	3
Enroll 2019-20 (PK-5)	352	352
Seat Deficit/ Surplus	42	18

PRINCETON – LITTLEBROOK ES



PRINCETON – LITTLEBROOK ES



PRINCETON – LITTLEBROOK ES



INFORMATION

- Built +/- 1950's
- Additions +/- 2005
- 1 Story
- Site +/- 13.23 Acres (3.48 Ac + 9.75 Ac)
- Parking +/- 57
- Footprint Size +/- 56,912 sf
- Bldg Sf +/- 56,912 sf

LITTLEBROOK ES – FACILITY COMMENTS

STRENGTHS:

- Facility Use
- Music / Art Programs
- Main Lobby / Community Space
- Parking Lot Separate From Veh. Circ. Path

DEFICIENCIES:

- Hidden Entrance
- Taxed Core Spaces (Gym, Cafetorium, Kitchen)
- Collaboration & Flexible Space (Teacher & Student)
- Specialized Program Space
- Sustainable - Energy Upgrades / Lighting / PV etc...
- Infrastructure Upgrades (Utility Services / Toilets)
- Parking Shortage

LITTLEBROOK ES – FACILITY COMMENTS

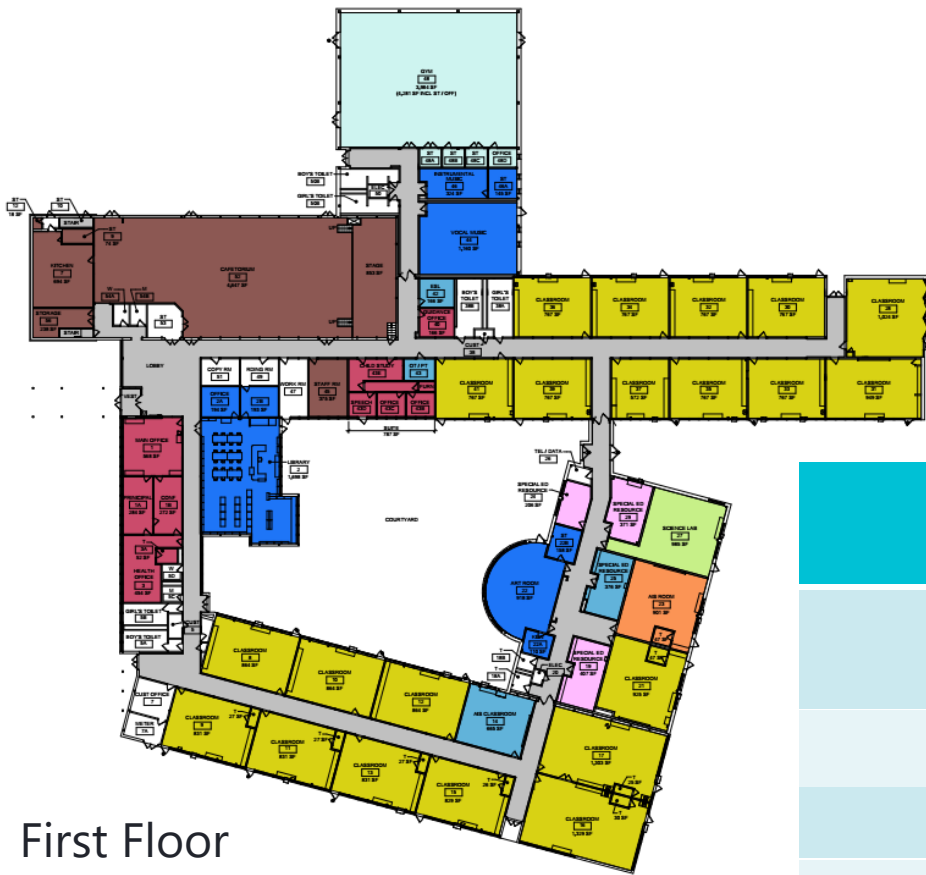
OPPORTUNITIES - BLDG

- Adaptive Reuse of Space
- Core Space Expansion
- Support for Specialized Programs
- Provide Collaboration & Flexible Space (Students & Staff)
- Pride & Image of School
- Sustainability / Energy Efficiency










OPPORTUNITIES - SITE

- Site Areas Available to Expand
- Respect Site Features
- Improve Parking & Circulation

LITTLEBROOK ES - CAPACITY



LEGEND

	GENERAL CLASSROOM		SPECIALIZED INST / EXPL
	SCIENCE		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	RESOURCE		PE / HEALTH
	ACAD SUPPORT		

Existing Room Inventory (School Model) Report

LB	Spiezle (.90)	MMI/ PS&S (.90)
SCSE	0	1
Enroll 2019-20 (PK-5)	404	404
(*) Includes One Undersized Classroom		

PRINCETON – RIVERSIDE ES



PRINCETON – RIVERSIDE ES



INFORMATION

- Built +/- Late 1950's
- Additions +/- 2005
- 1 Story
- Site +/- 10.86 Acres
- Parking +/- 51
- Footprint
Size +/- 60,541 sf
- Bldg Sf +/- 60,541 sf

RIVERSIDE ES – FACILITY COMMENTS

STRENGTHS:

- Facility / Use
- Parking & Bus Loop are Separated
- Entrance Canopy
- Music / Art Programs
- Black Box in CR
- Inclusion & Enrichment Programs
- Garden Space On Site - Needs Staging

DEFICIENCIES:

- Hidden Entrance
- Taxed Core Spaces (Gym, Cafetorium, Kitchen)
- Collaboration & Flexible Space (Teacher & Student)
- Specialized Program Space
- Ext. DH Windows & T-111 Wood Siding Repairs Required
- Sustainable - Energy Upgrades / Lighting / PV etc...
- Infrastructure Upgrades (Utility Services / Toilets)
- Parking Shortage

RIVERSIDE ES – FACILITY COMMENTS

OPPORTUNITIES - BLDG

- Adaptive Reuse of Space
- Core Space Expansion
- Support for Specialized Programs
- Provide Collaboration & Flexible Space (Students & Staff)
- Pride & Image of School
- Sustainability / Energy Efficiency

OPPORTUNITIES - SITE

- Site Areas Available to Expand
- Respect Site Features
- Improve Parking & Circulation

RIVERSIDE ES - CAPACITY



LEGEND

	GENERAL CLASSROOM		SPECIALIZED INST / EXPL
	SCIENCE		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	RESOURCE		PE / HEALTH
	ACAD SUPPORT		

Existing Room Inventory (School Model) Report

RS	Spiezele (.90)	MMI/ PS&S (.90)
CR Count	15	16
SCSE	4	4
Ed Capacity	306	325
Enroll 2019-20 (PK-5)	309	309
Seat Deficit/ Surplus	-3	16

ELEMENTARY SCHOOL PROGRAM

ASSETS:

- Small Neighborhood Schools
- School-wide Enrichment
- DLI Program
- Strong Music & Arts
- Special Ed Inclusion
- High Performing District
- Innovation Goal

CHALLENGES:

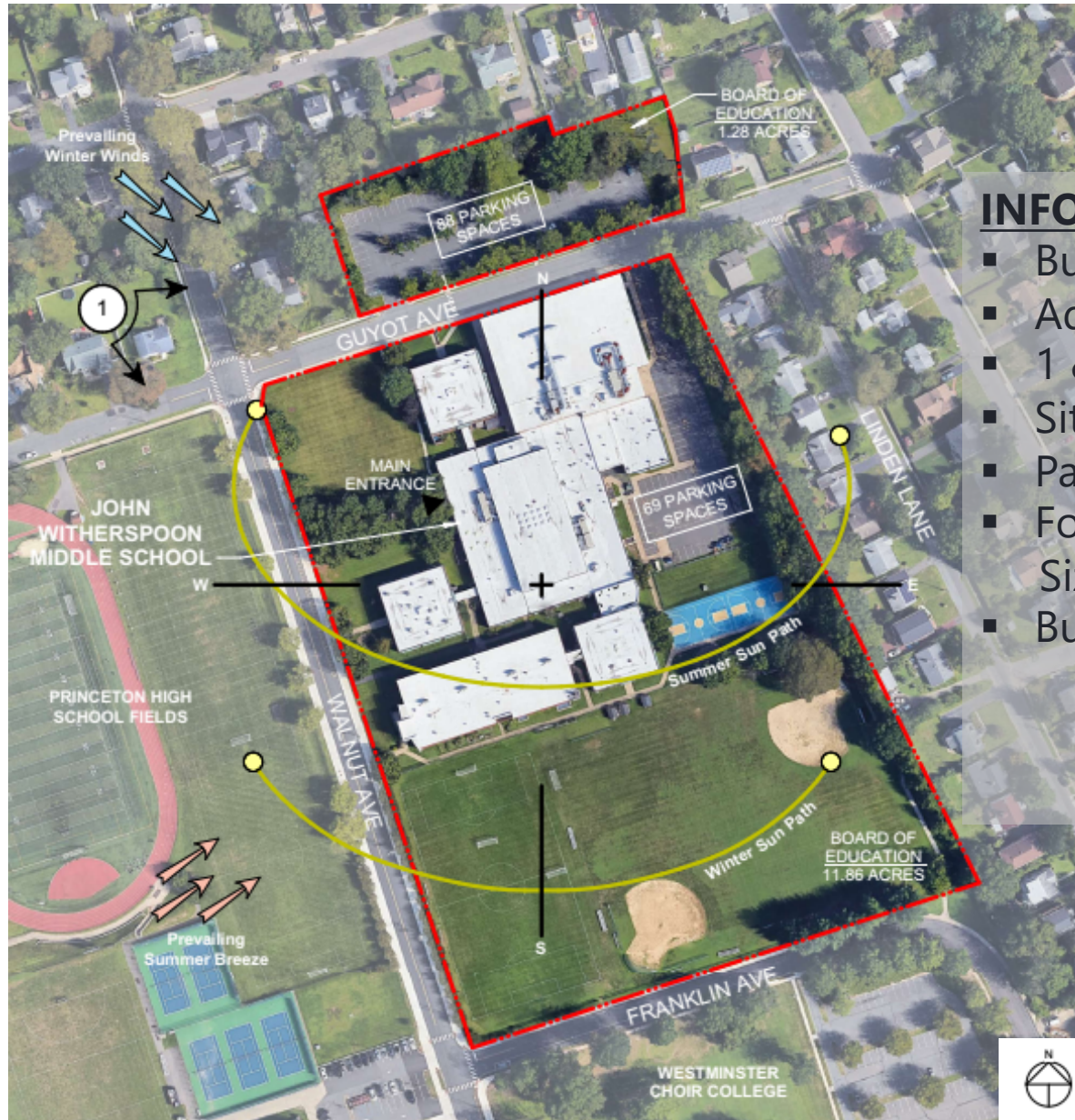
- Grade Level Break-Points
- Scheduling “Focus 30” with Other Priorities
- DLI Scheduling, Enrollment Issues;
- Adequately Sized Classrooms & Resource Rooms
- Enrollment Pressure – Space Use
- Need Flexible Collaborative Space in Which to Innovate.

- “Building Appearance Should Reflect PPSD High Aspirations”

PRINCETON - JOHN WITHERSPOON MS



PRINCETON - JOHN WITHERSPOON MS



INFORMATION

- Built +/- 1960's
- Additions +/- 2000's
- 1 & 2 Story
- Site +/- 13.14 Acres
- Parking +/- 157
- Footprint
- Size +/- 119,673 sf
- Building sf
 - 1st Flr: 119,673 sf
 - 2nd Flr: 49,980 sf
 - Total: 169,653 sf



JOHN WITHERSPOON MS – FACILITY COMMENTS

STRENGTHS:

- Facility Use
- Media Center (Flexible Space)
- Auditorium
- Aquatic Center
- Music Program
- Enriched Curriculum

DEFICIENCIES:

- House Concept vs. Building Design Restrictions (Pods)
- Internal Circulation Patterns
- Hidden Entrance
- Collaboration Space (Teacher & Student)
- Flexible / Exploratory Space
- Taxed Core Spaces (Gym, Cafetorium, Kitchen, PE Shortage)
- Basement Levels / Pods & Main Bldg. / Limited Access
- Parking / Street Closed (MS&HS) for Pick Up & Drop Off Area
- Athletic Fields & Support Facilities
- Sustainable - Energy Upgrades / Lighting / PV etc...

JOHN WITHERSPOON MS – FACILITY COMMENTS

OPPORTUNITIES - BLDG

- Adaptive Reuse of Space
- Incremental House Growth
- DLI Integration
- PE Functions
- Support of Specialized Programs
- Core Space Expansion (Cafe & Kit)
- Collaboration & Flexible Space (T&S)
- Converting Old Library to 2 CR & Collaboration Space / Maker Space, Robotics, Coding, Technology
- Pride & Image of School
- Sustainability / Energy Efficiency



OPPORTUNITIES - SITE

- Site Areas Available to Expand
- Respect Site Features
- Improve Parking & Circulation

JOHN WITHERSPOON MS - CAPACITY

First Floor

LEGEND

	GENERAL CLASSROOM		SPECIALIZED INST / EXPL
	SCIENCE		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	RESOURCE		PE / HEALTH
	ACAD SUPPORT		

Second Floor

JOHN WITHERSPOON MS - CAPACITY

Existing Room Inventory (School Model) Report

JWMS	Spiezle (.85)		MMI/ PS&S (.85)	
	Rms	Capacity	Rms	Capacity
CR Count (*)	24	469.2	25	488.7
SCIENCE	6	117.3	6	117.3
Other CR	6	0		
SCSE	4	40.8	2	20.4
SE Res	11	0	11	0
Support	0		6	0
Exploratory	6		9	0
Perf Arts	5		5	0
PE (Stations)	4		4	0
Health	1		1	0
Ed Capacity		627.3		626.4
Enroll 2019-20		778		778
Seat Deficit/ Surplus		-150.7		-151.6

(*) Includes 1 CR Currently Unassigned
Does not reflect current referendum work

MIDDLE SCHOOL PROGRAM

ASSETS:

- Strong House System
- Grade Level Guidance
- New Learning Commons
- Rich Exploratory Programs
- Robust Support Services
- Cultural Diversity

CHALLENGES:

- Pod Building Organization;
- How Can House System Absorb New Students Incrementally?
- Other Admin Space in Pods;
- Adequacy of Gym Space → 90 Students at Once.
- Need Aux Gym for Sports – Wrestling in Hallways;
- “Music drives the curriculum?”
- Support Spaces right size & location
- Plan for Arrival of DLI Cohort

PRINCETON - HIGH SCHOOL



PRINCETON - HIGH SCHOOL



INFORMATION

- Built +/- Early 1920's
- Additions +/- 1970's & 2000's
- Multi Level (5)
- Site +/- 21.5 Acres
- Parking +/- 189
- Footprint Size +/- 169,239 sf
- Building sf

Grd/Gym Lvl: 169,239 sf

1st Flr: 98,200 sf

2nd Flr: 76,105 sf

Total 343,544 sf



PRINCETON HS – FACILITY COMMENTS

STRENGTHS:

- Prominent Entry – Original Building
- Facility / Use
- Consistent Room Sizes
- Auditorium
- Black-Box Theatre
- PE - (2) Gym & Fitness
- Learning - MC
- Enriched Curriculum

DEFICIENCIES:

- Design Restricts Efficient Usage of Building
- Design vs. Teaching Method (Individual & Teaming)
- Collaboration & Flexible Space (T&S)
- Support of Specialized Programs (STEM, Robotics, StW Programs, Comp. Rm, Project Based Learn'g, Flex. Space)
- Taxed Core Spaces (Cafeteria & Kitchen)
- Administration Functions in Trailers
- Parking / Street Closed (MS&HS) for Pick Up & Drop Off Area
- Athletic Fields & Support Facilities
- Sustainable - Energy Upgrades / Lighting / PV etc...

PRINCETON HS – FACILITY COMMENTS

OPPORTUNITIES - BLDG

- Adaptive Reuse of Space
- Support of Specialized Programs
- Core Space Expansion
- Provide Collaboration & Flexible Space (Teachers & Students)
- Expanding 2nd Floor with Collaboration & CR Space
- Pride & Image of School
- Sustainability / Energy Efficiency

OPPORTUNITIES - SITE











- Limited Site Area - Expand
- Respect Site Features – Fields Etc....
- Improve Parking & Circulation
- Courtyard Areas / Usage

PRINCETON HS - CAPACITY



Ground
& Gym Level

LEGEND

	GENERAL CLASSROOM		ACAD SUPPORT
	SCIENCE		SPECIALIZED INST / EXPL
	TECH CLASSROOM		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	RESOURCE		PE / HEALTH













First Floor Level

PRINCETON HS - CAPACITY



Second Floor Level

LEGEND

	GENERAL CLASSROOM		ACAD SUPPORT
	SCIENCE		SPECIALIZED INST / EXPL
	TECH CLASSROOM		LARGE GROUP / NON-SCHEDULED
	SCSE		ADMIN
	RESOURCE		PE / HEALTH

PRINCETON HS- CAPACITY

Existing Room Inventory (School Model) Report							
	PHS			Spiezle (.75)		MMI/ PS&S (.75)	
Rooms	Flr 0	Flr 1	Flr 2	Rms	Capacity	Rms	Capacity
CR		21	24	41	769	45	844
SCI		6	8	16	300	14	263
Tech	2	1	1	8	150	4	75
Visual Arts	2	3		3	56	5	94
Perf Arts	3	1		2	38	4	75
PE	6	0		3	56	4	75
Health	2	1		3	56	3	56
SG/SE Res	1	3	3	10	0	7	63
Support		1				1	0
Aud	1			1	0	1	0
Lib		1		1	0	1	0
Caf	1			1	0	1	0
Ed Capacity					1425		1544
Enroll 2019-20					1590		1590
Seat Deficit/ Surplus					-165		-46

Does not reflect current referendum work

PHS PROGRAM

ASSETS:

- Strong Departmental System
- Rich, Diverse Curriculum
- Seamless Inclusion
- Motivated Students
- Technology Enthusiasm
- SE Retention
- Innovation
- History and Tradition

CHALLENGES:

- Faculty Offices
- Scheduling Pressure – “Utilization”
- Flexible Spaces
- More Study Options, Library
- More Tech-Enriched Spaces
- Flexible Science Labs
- Right Sized SCSE Spaces
- Makers’ Spaces
- Interpretable Spaces
- More Informal Collaborative Learning Spaces

PRINCETON - VALLEY ROAD



PRINCETON - VALLEY ROAD



INFORMATION

- Built +/- Early 1920's & 1950's
- 1 & 2 Story
- Site +/- 8.9 Acres
- Parking
 - Cars +/- 85
 - Small Bus +/- 10
 - Large Bus +/- 7
- Footprint Size +/- 39,467 sf

VALLEY ROAD – FACILITY COMMENTS

STRENGTHS

- Used as BOE Offices / Maintenance

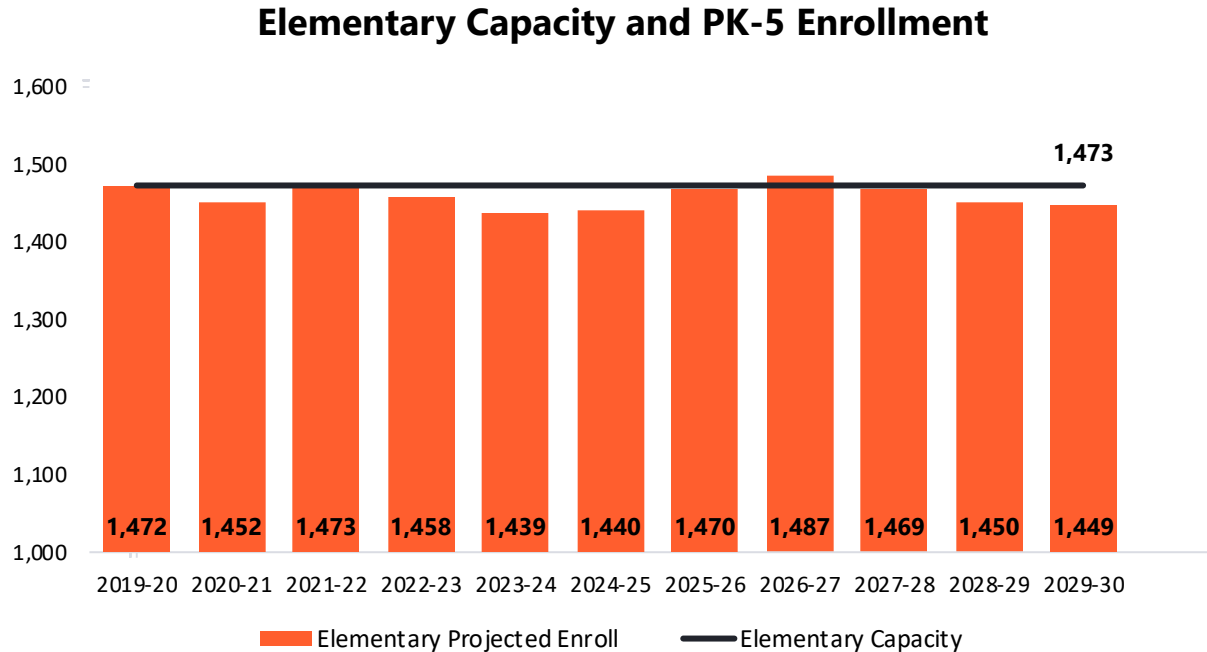
DEFICIENCIES

- Parking Shortage
- Original Building Section Not Used

OPPORTUNITIES

- Site Area Available for School Needs
 - Athletic Field Upgrades

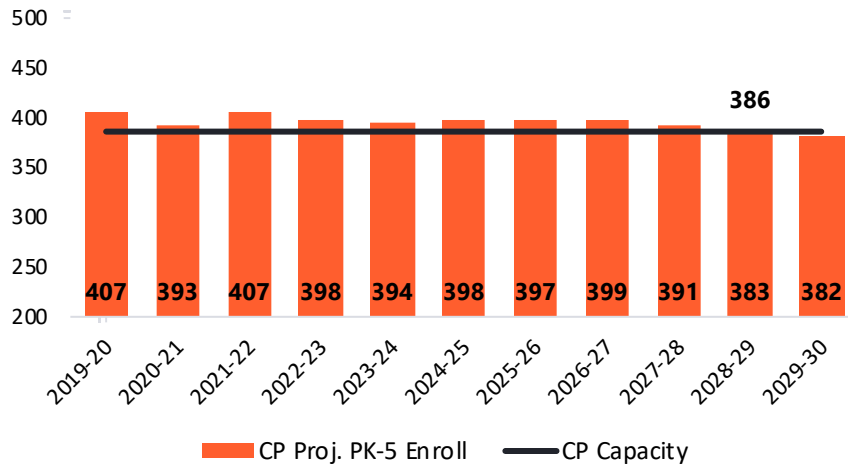
ELEMENTARY PROJECTED UTILIZATION



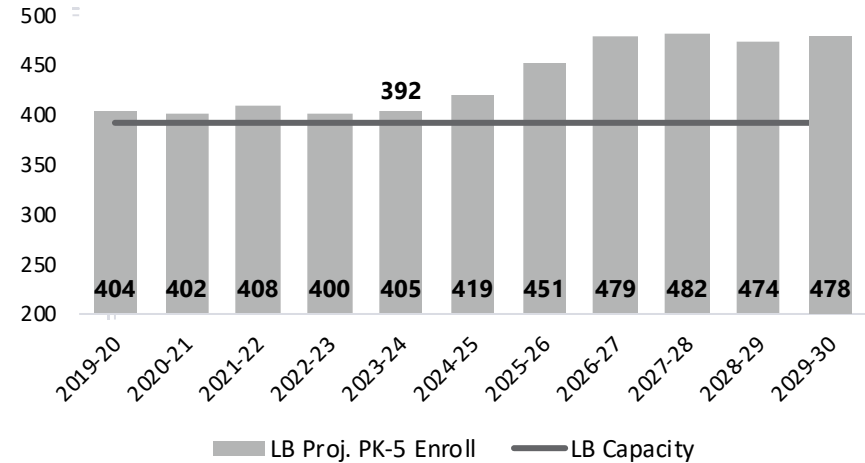
Assumes 45 of projected 100 PK students will be located outside of the four elementary schools beginning in 2020-21.

ELEMENTARY PROJECTED UTILIZATION

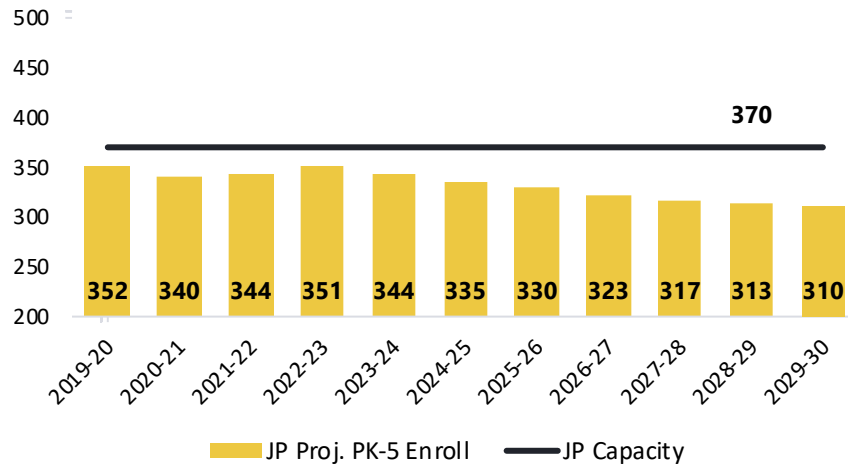
Community Park



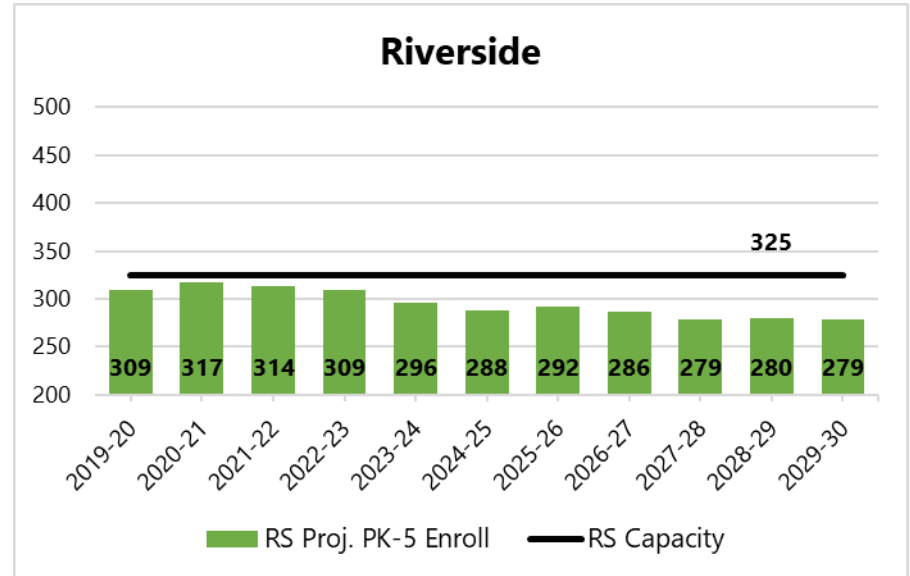
Littlebrook



Johnson Park

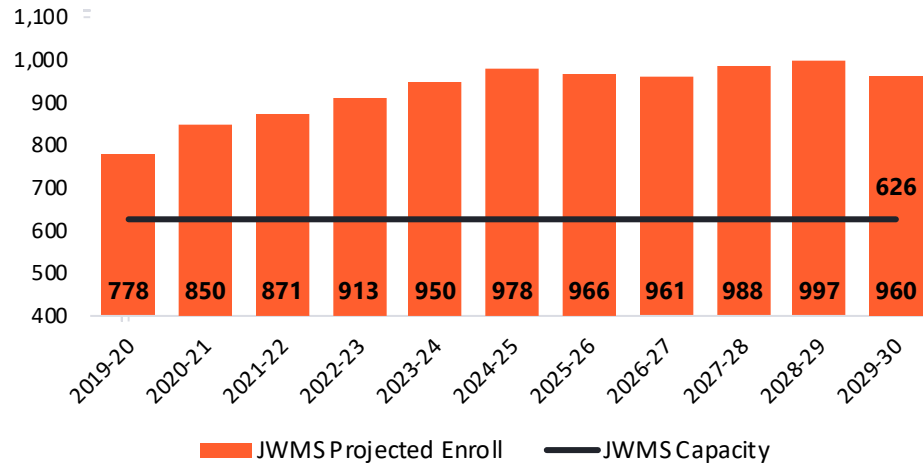


Riverside



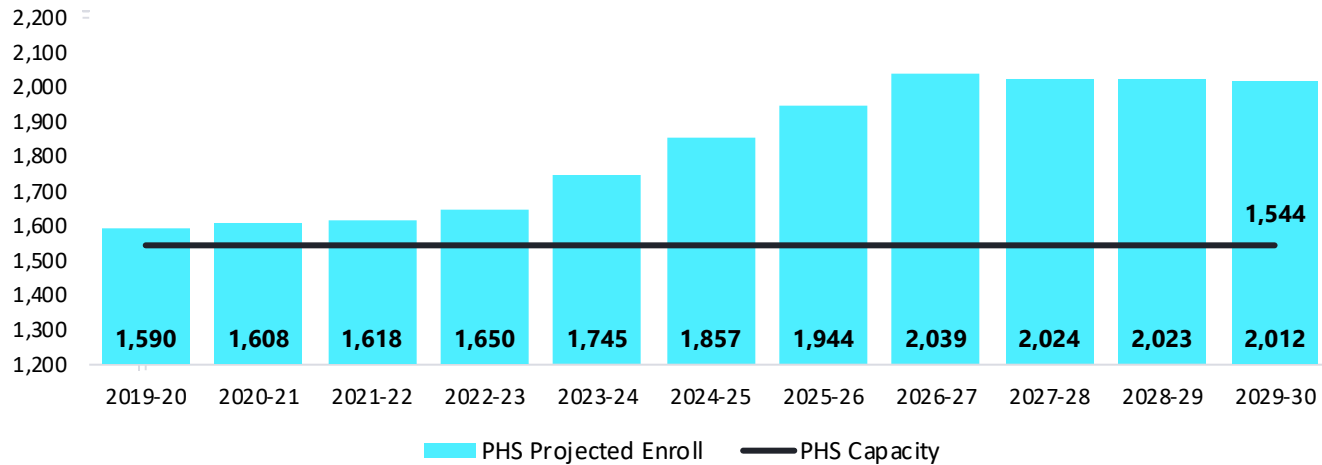
MS & HS PROJECTED UTILIZATION

Witherspoon Middle School



Capacities
do not
reflect
current
referendum
work

Princeton High School



EDUCATION

ES PROGRAM – COMMON THEMES

BUILDING

- CR Qty / Dist. Align Enrollment
- Core Space (Gym, Cafe, Kitchen)
- Collaboration & Flexible Space (Teacher & Students)
- Support Special Programs
- Pre-K & PreK/SE - Offer @ Each ES or One Site
- DLI / Impacts
- Enrichment / G&T Program (AIS, Speech, OT, and ESL)
- Sustainable - Energy Upgrades / Lighting / PV etc...
- Infrastructure Upgrades (Utility Services / Toilets)
- Image / Pride

SITE

- Parking Shortage
- Separate Circulation (Bus vs. Cars) - Safety
- Site Areas Available to Expand
- Respect Site Features

MS PROGRAM – COMMON THEMES

BUILDING

- House Use vs Existing Bldg. Design (Pods)
- Core Space Need (Cafe, Kit)
- Additional PE Station / Aux Gym
- Collaboration & Flexible Areas (T&S)
- Special Programs
 - DLI / Impacts
 - SE
 - Enrichment / G&T Program (AIS, Speech, OT, and ESL)
 - STEM Coding & Digital Art, STEM Robotics, & Source
- Sustainability - Energy / Lighting / PV...
- Infrastructure Upgrades (Utility Services)
- Image / Pride

SITE

- Parking Shortage
- Separate Circulation (Bus vs. Cars) - Safety
- Site Areas Available to Expand
- Respect Site Features

PHS PROGRAM – COMMON THEMES

BUILDING

- HS Design vs. Teaching Methodology
- Individual & Team-Based Learning vs. Departments
- Admin Spaces in Trailers
- Collaboration & Flexible Space (T&S)
- Support Specialized Programs
 - STEM, Robotics, School to Work Programs
 - Promote Project Based Learning
- Core Spaces (Cafeteria, Kitchen)
- Sustainability - Energy / Lighting / PV...
- Infrastructure Upgrades (Utility Services)
- Image / Pride

SITE

- Parking Shortage
- Separate Circulation (Bus vs. Cars) - Safety
- Site Areas Available to Expand
- Respect Site Features
- Athletic Fields & Support Facilities

SMALL GROUP DISCUSSIONS

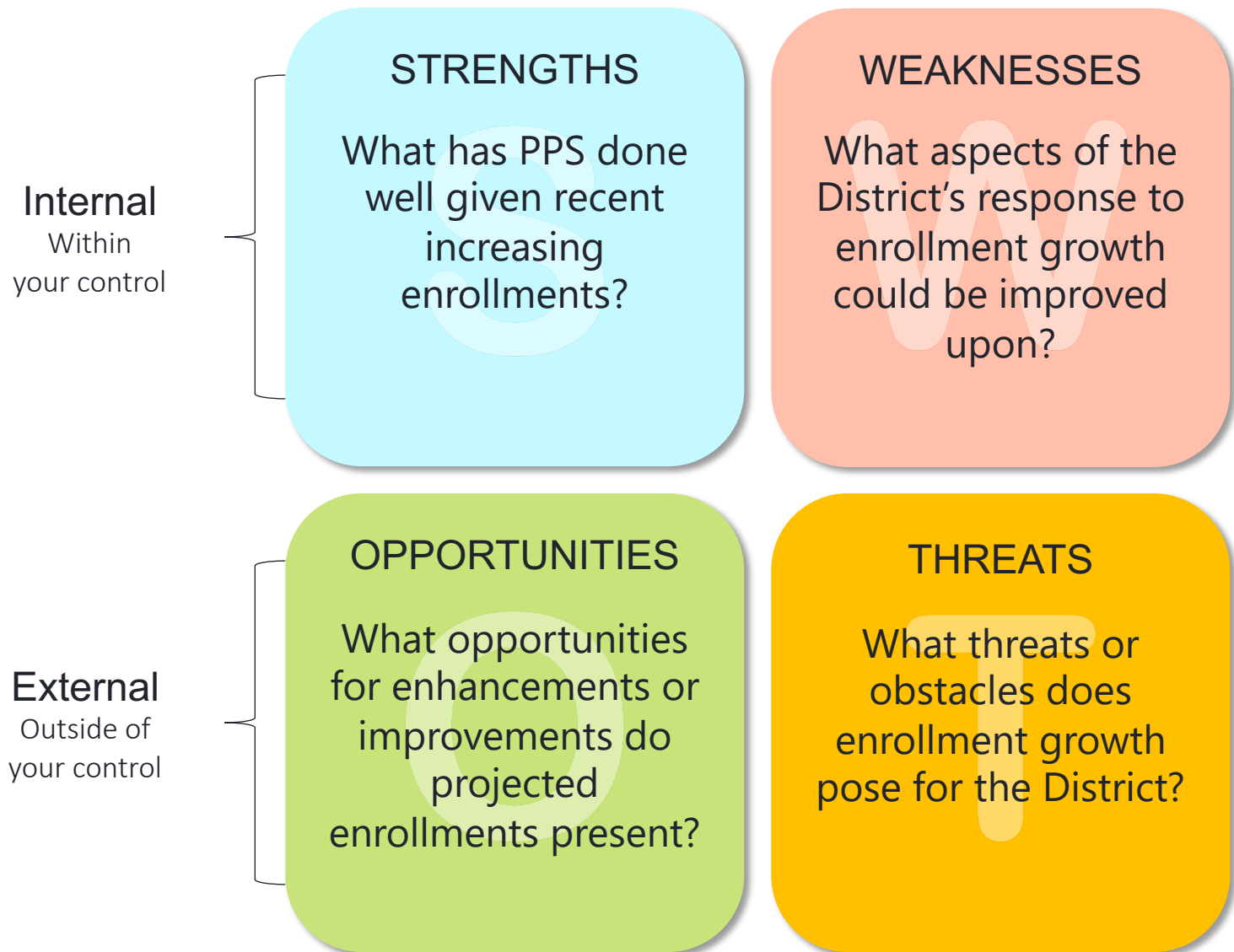
GROUP DISCUSSIONS/ EXERCISES

- Opportunity to ask Project Team questions
- Please visit every station so that we can capture your thoughts and ideas
 - Planning Process with Mike
 - Enrollment Projections with Rebecca
 - Education with James
 - Facilities with Dan

GROUND RULES

- **Participate** – this can only be a community-led process if we hear from as many people as possible!
- **Question** – No question is unimportant or silly. If you are not comfortable asking in the group, please leave us a note at the station.
- **Respect** – Respect each other, the Project Team, the PPS Board and Administration. Listen to others. Respect everyone's time. Refrain from sidebar discussions.
- **Agree to Disagree** – Diverse opinions will be expressed. Everyone's duty today is to listen, not convince.

ENROLLMENT PROJECTIONS EXERCISE

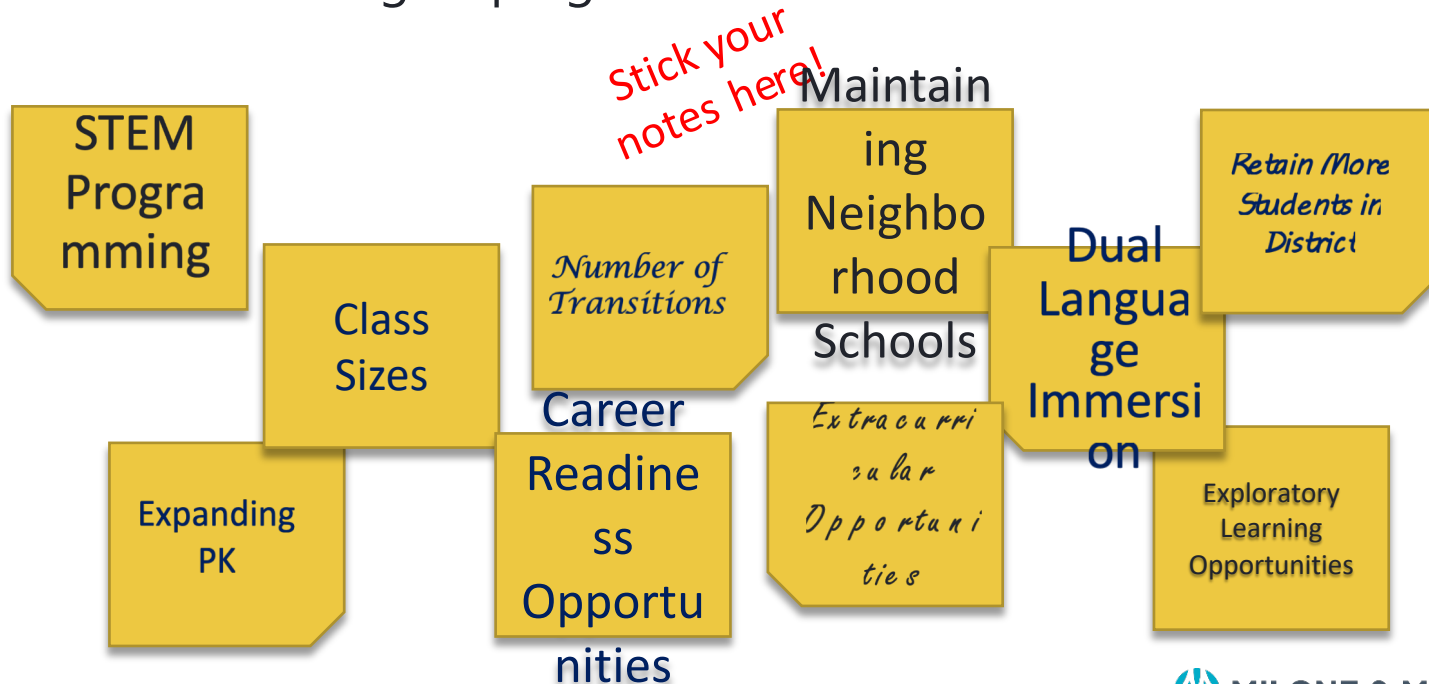


EDUCATION EXERCISE

Your Top 3!

What are your top 3 concerns for educational programming in Princeton Public Schools? Write one issue per post-it note.

Stick your notes on the wall. Are any of your answers similar to others? Group them! Feel free to move your own and others' responses to create groupings.



FACILITIES EXERCISE

Complete this thought!

The 2020 Princeton Public Schools Master Plan will be a success if....



WRAP UP

What themes did we hear today?

YOUR ASSIGNMENT

Get at least 3 Princetonians who are not here today to participate in these exercises online!

Take 3 business cards and hand them out.

Or, just encourage your neighbors and friends to visit the Princeton Public Schools' website and follow the links to the online survey before Feb. 3rd.

NEXT STEPS

- Online exercises available **until Feb. 3rd**
 - Result will be combined with results from today's forum
 - All input will be analyzed
- Establish Guiding Criteria for Scenario Development
- Develop Scenarios for the Future
- Refine Scenarios
- Develop Recommendations