



***Sayreville Public Schools***  
***Vision 2030***

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**Dr. Richard R. Labbe, Superintendent of Schools**

**Dr. Marilyn J. Shediack, Assistant Superintendent**

**Ms. Erin Hill, Business Administrator/Board Secretary**

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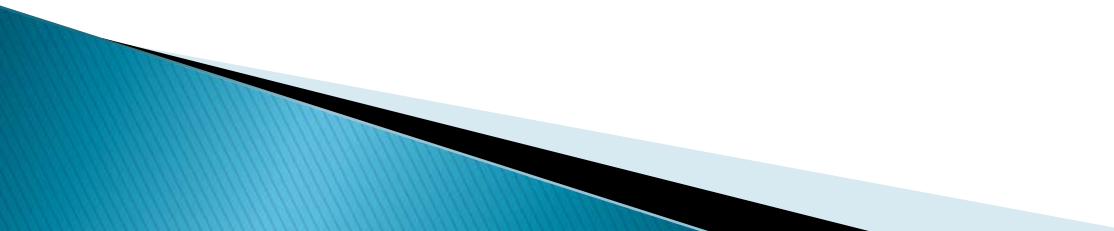
# Sayreville Public Schools

## State of the Schools Address

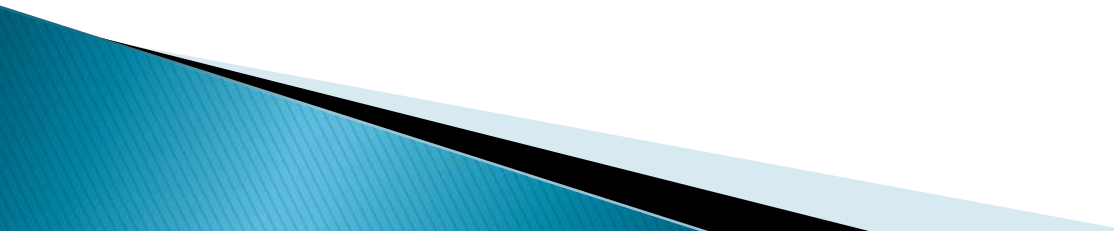
Presented by: Dr. Labbe, Dr. Shediack, and  
Mr. Glock-Molloy

A decorative graphic at the bottom of the slide consists of a large, wavy shape. The top part is a light blue gradient, and the bottom part is a solid dark blue. The shape flows from the left side towards the right, creating a sense of movement.

# OVERVIEW

- ▶ Purpose – To provide the school community with the current level of thoroughness and efficiency of our educational programs, services, and business operation.
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# 2018 State of the Schools Address

- ▶ Overview – Dr. Labbe
  - ▶ 2018–19 Goal Achievement & 2019–20 Goals – Dr. Labbe
  - ▶ 2018–19 Student Standardized Assessment Results – Dr. Shediack
  - ▶ 2018–19 HIB Self-Assessment Ratings– Mr. Glock–Molloy
  - ▶ 2020–21 Budget Development Calendar and Facilities Strategic Action Plan Presentation – Dr. Labbe
- 

# Let's Celebrate!

- ▶ 68.7% of all our 3<sup>rd</sup> graders met or exceeded expectations in math, and well over 60% did so in ELA.
  - 75.6% of 3<sup>rd</sup> graders at Truman met or exceeded expectations last year on the Math NJSLA and 68.9% of them met or exceeded expectations on the ELA NJSLA.
- ▶ Nearly 70% of 10<sup>th</sup> grade students last year met their graduation requirement for ELA by meeting or exceeding standards on the NJSLA ELA 10.
- ▶ 8<sup>th</sup> grade students meeting or exceeding expectations last year on the NJSLA ELA increased over 10% and is also now approaching the 70%.
- ▶ Significant increase in 8<sup>th</sup> grade students meeting or exceeding expectations on the Algebra 1 NJSLA compared to 2017–18
- ▶ Profound increase in the performance of our Advanced Placement students at the high school,
  - Total Advanced Placement Testing mean score rose from a 2.87 to a 3.19 out of a possible score of 5.
  - Significant score increases in Calculus AB, Chemistry, English Language Arts, US History, and Environmental Science.

# Let's Celebrate!

- ▶ Installed Systems 3000 Personnel
  - Will eliminate time cards for 95% of staff.
- ▶ Purchased enough instructional technology devices (Chromebooks and iPads) to finally ensure a 1:1 student to device ratio in preschool through 12<sup>th</sup> grade
- ▶ Purchased additional Achieve 3000 student licenses for 3<sup>rd</sup> grade students.
- ▶ Purchased new math resources for our students in the elementary and middle school
  - New Envision Math electronic resource platform for the elementary school
  - Imagine Learning Math for our students in the middle school.
- ▶ Purchased the Fountas and Pinnell Reading System for preschool and 3<sup>rd</sup> grade

# Let's Celebrate!

- ▶ Secure retention vestibules at the middle school, high school, and Samsel were constructed.
- ▶ Parking lots at the high school, middle school, Arleth, and Wilson were paved.
- ▶ A bus parking lot at Samsel is being installed.
- ▶ The last open concept classroom at Truman was partitioned.
- ▶ The media center floor at Eisenhower was refurbished
- ▶ Middle School Renovations
  - Boys and girls locker rooms
  - cafeteria and gymnasium floors
- ▶ High School Renovations
  - Teacher copy room and main office bathrooms refurbished
  - School store and conference room constructed
  - New office for the principal constructed
  - Replaced track and are in the process of repairing the baseball field

# Let's Celebrate!

- ▶ School Safety and Security Enhancements
  - Secure retention vestibules at the middle school, high school, and Samsel.
  - New security cameras installed to ensure complete external video surveillance coverage in all schools and complete internal coverage at the middle school, high school now, and in Samsel and all our elementary schools by February.
  - New staff photo identification cards that will open doors, and be used to swipe/sign into work.
  - Photo IDs that middle school and high school students will be required to wear at all times in school or on busses. They will also use them to swipe/sign into school after being screened by our metal detectors
  - FT and PT Campus Security Monitors and armed Sayreville police officers in all schools.

# Let's Celebrate!

- ▶ 44,800 NJ AP Computer Grant
- ▶ \$5,000 BASF Grant – High school greenhouse
- ▶ \$6,500 Ashland Grant – High school chemistry lab equipment
- ▶ \$6,000 Bristol–Myers Squibb Grant – Elementary robotics
- ▶ \$10,000 Dupont Grant – High school STEM Academy
- ▶ \$22,000 Special Olympics Grant – Unified sports
  - We are a Champion Unified
- ▶ \$2.77 Million Preschool Expansion Aid



# 2018-19 Goal Review

## ▶ FINANCE:

1. Increase the catering revenue in food services by 9% from \$29,200 in 2017-18 to \$32,000 by the end of the 2018-19 school year. **Did not accomplish but increased profit**
2. Secure funding in the 2019-20 Budget to purchase enough technology devices (iPads, Chromebooks, etc.) to ensure a 1:1 student to device ratio in grades 6-12. **Accomplished**
3. Secure funding in the 2019-20 Budget to purchase 3 additional busses for the purpose of reducing out-of-district contractor costs and eliminating all remaining single bussing routes in the district. **Accomplished**
4. Increase the amount of money in Capital and Maintenance Reserve accounts by January 1, 2019 in order to fund all existing building renovation projects, including but not limited to the refurbishing of the Boys and Girls Locker Rooms at the SMS, the purchase and installation of new hot water heaters at SWMHS and SUES, reparations to the SUES roof, and the installation of the Truman School Partition in Room C-7.  
**Accomplished**

## ▶ FACILITIES:

1. Complete the renovation of the SWMHS athletic complex by replacing the track and repairing the multisport field used for baseball, field hockey, and marching band practice by the end of August 2019. **Accomplished**
2. Construct the remaining secure retention vestibules at the Eisenhower, Wilson, Arleth, and Truman Elementary Schools by the end of August ~~2019~~ 2020. **Somewhat accomplished**
3. Develop an approved BOE plan to install solar panels across the district. **Accomplished – Referendum**
4. Utilizing the data from the Master District Facility Assessment Report, develop a plan for the continued use of the Selover School. **Accomplished – Referendum**

▶ TECHNOLOGY:

1. Increase the number of instructional classroom devices in order to implement them on 1:1 ratio in grades 4–5 by end of the 2018–2019 school year. **Accomplished**
2. Continue to upgrade the virtual server infrastructure, wireless access point infrastructure, and the network switch infrastructure by the end of the 18–19 school year. **Accomplished**
3. Deploy a single sign-on solution to all compatible software packages by the end of the 18–19 school year. **Accomplished**
4. Increase unified security camera coverage to all exterior walls and doors by the end of the 18–19 school year. **Accomplished**
5. Budget for funding to provide district staff with access to a staffed technology district helpdesk for the purpose of providing immediate support or routing of support by the start of the 2019–20 school year. **Accomplished**
6. Budget for funding to hire an additional Technology Engineer, and to increase the number of dedicated technology coach positions to one per building using certificated teaching staff by the start of the 2019–20 school year. **Accomplished**
7. Form a unified technology, professional development, curriculum, operations and facilities technology training committee by the end of the 18–19 school year. **Accomplished**

▶ STUDENT ACHIEVEMENT:

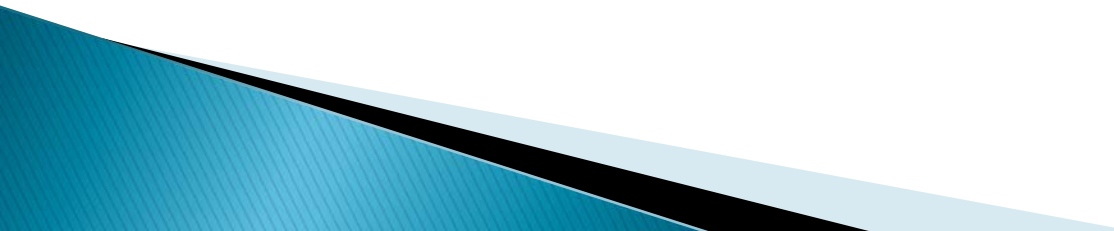
1. Students in Pre-K – 12<sup>th</sup> Grade will show improvement in their overall literacy skills as evidenced by 63% of the general education students in grade 10 meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – ELA. (2017–2018 baseline is 57.5%) **Accomplished**
2. Students in Pre-K – 12<sup>th</sup> Grade will show improvement in their overall mathematic skills as as evidenced by 43.2% of the students enrolled in Algebra I meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – Algebra I. (2017–2018 baseline is 33.2%) **Accomplished**
3. Students in Pre-K – 12<sup>th</sup> Grade will show growth in their overall literacy and mathematical skills as evidenced by a 2% increase in the number of students who meet the multiple criteria to exit the Elementary Academic Support program by June 2019. (Baseline for 2017–2018 school year was an exit rate of 27%) **Accomplished**

▶ CULTURE AND CLIMATE:

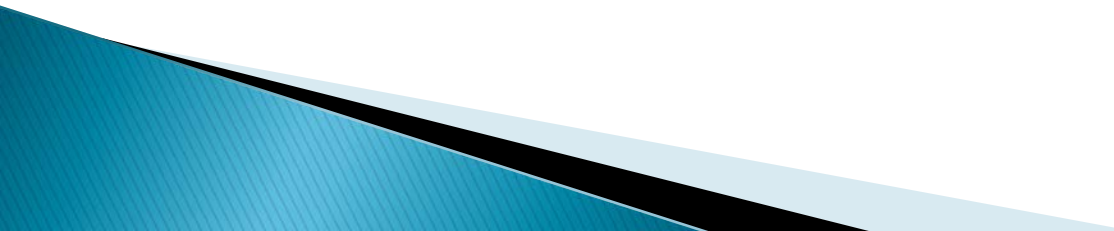
1. Increase employer retention rate by developing hiring pipelines through *Frontline Central* to recruit and hire the most credentialed, proficient, and principled candidates with tangible and intangible qualities and characteristics that are in alignment with a Sayreville Bomber, and to improve and expedite the hiring process for all new personnel, including substitutes. **Did not increase retention but accomplished the rest**
2. Increase the proficiency, competency, and efficacy of staff by offering more choices in selecting training options for professional development in-services, in addition to stress reduction offerings, and by providing building specific professional development as requested by building SCIP committees and/or administrators/supervisors. **Accomplished**
3. Increase career advancement opportunities for staff by implementing Cohort 2 of the Aspiring Administrator branch of the Leadership Academy and by creating and implementing a Teacher Leader branch by the end of the 2018–19 school year. **Accomplished**
4. Promote student-led school climate changes that result in the cultivation of more inclusive, safe, and connected school communities; and the potential decrease in incidences of harassment, intimidation, and bullying by expanding the SWMHS Career Academy, and by implementing the Responsive Classroom character education program at SUES, the Medal of Honor character education program at SMS, and the Playworks structured recess character education program in grades K–5. **Accomplished**

# 2019–20 Goals

## ▶ FINANCE:

- Explore the development and potential implementation of a self-insured medical benefit program for the district in May 2019.
  - Increase the number of parents who submit free and/or reduced lunch applications as evidenced by a 25% increase in the number of submitted applications by potentially eligible parents as compared to 2018–19.
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## ▶ FACILITIES:

- Submit for approval to the New Jersey Department of Education (NJDOE) by February 29, 2020 a BOE approved referendum that was developed collaboratively with the district architect of record and the school community for an election in September 2020.
  - Submit for approval to the New Jersey Department of Education (NJDOE) by July 1, 2020 a BOE approved Energy Savings Improvement Project (ESIP) that was developed collaboratively with the district architect of record and a NJDOE qualified Energy Service Company (ESCO).
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## ▶ TECHNOLOGY:

- Develop, budget for, and implement a sustained device lifecycle plan for replacing district technology hardware, security hardware, and end user devices, inclusive of classroom devices, during the 2020–2021 budget cycle as well as future budget cycles.
- Purchase and install security cameras for the purpose of ensuring complete internal and external video surveillance coverage in all district buildings by the end of August 2020.
- Budget for, purchase, and install security cameras for the purpose of ensuring complete video surveillance coverage in all new and existing busses and vans by the end of August 2020.
- Collaborate with administration and faculty to develop and implement an efficient system for evaluating the effectiveness of purchased software solutions district-wide by September of 2020.
- Explore, develop, and implement technology systems for the purpose of safely streaming on the internet BOE, district and building-based activities and events by September of 2020.



## ▶ STUDENT ACHIEVEMENT:

- Students in Pre-K – 12<sup>th</sup> Grade will show improvement in their overall literacy skills as evidenced by:
  - 70% of the students in grade 10 meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – ELA (2018–2019 baseline is 66.2%).
  - 61% of the students in grade 4 meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – ELA (2018–2019 baseline is 55.2%).
  - 60% of the students in grade 6 meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – ELA (2018–2019 baseline is 55.2%).
- Students in Pre-K – 12<sup>th</sup> Grade will show improvement in their overall mathematic skills as evidenced by:
  - 60% of the students enrolled in Middle School Algebra I meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – Algebra I. (2018–2019 baseline is 54.4%).
  - 49% of the students enrolled in grade 6 meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – Math (2018–2019 baseline is 36.6%).
  - 58% of the students enrolled in grade 5 meeting or exceeding expectations as measured on the New Jersey Student Learning Assessment – Math (2018–2019 baseline is 48.6%).

- ▶ Improve college and career readiness by developing a STEM Academy at Sayreville War Memorial High School for implementation in September 2020.
  - ▶ Increase preschool education opportunities for over 500 preschool children with and without disabilities in the Sayreville Community by September 2020 using PEA funding through the leasing and preparation of an appropriate facility, the contracting with private vendors, and through the development and implementation of a program plan and budget approved by the NJDOE.
  - ▶ Enhance the functional academic, vocational, independent living, social and emotional, and self-advocacy and determination skills and competencies of students with intellectual, developmental, and other disabilities eligible to be educated from 18 years of age until 21 by January of 2021 through the renovation of an appropriate facility, partnerships with applicable community organizations and agencies, and the development of an appropriate program and curriculum.
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## ▶ CULTURE AND CLIMATE:

- Enhance the culture of the school district by identifying in collaboration with the entire school community and incorporating into the vision and mission of the Sayreville Public Schools the core values and principles that define a Sayreville Bomber by January 1, 2020.
- Ensure the safety, security, and physical and psychological well-being of the students and staff in the school district by collaboratively developing for potential implementation a cooperative and coordinated multiple borough, state, and federal agency reunification plan for students and staff displaced from their location for emergency purposes by March 1, 2020.
- Improve the climate of each school by implementing collaboratively researched and developed macro and micro strategies for reducing the number of student behavioral infractions resulting in out of school suspensions and the number of students who are identified as being chronically absent from school, as evidenced by a reduction in both by the end of the 2019-20 school year.

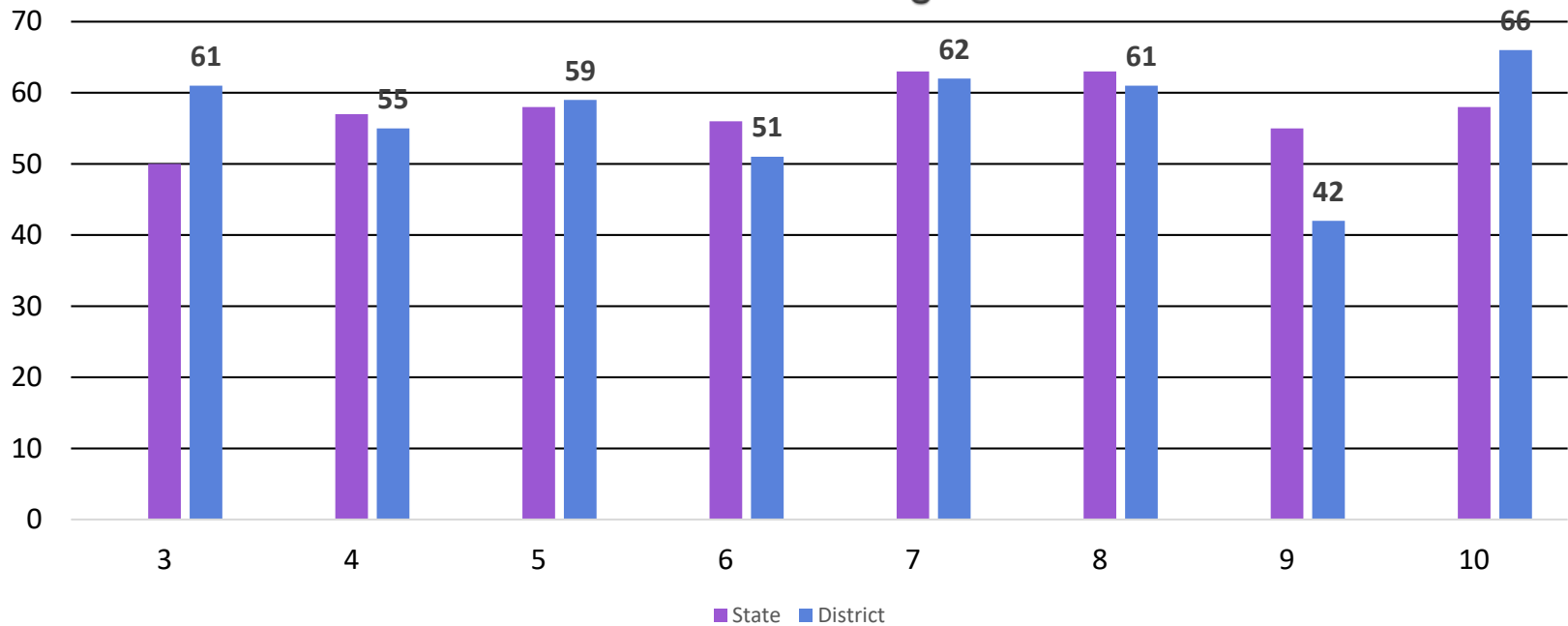
# 2018–19 Student Standardized Assessment Results

Presented by Dr. Marilyn Shediack



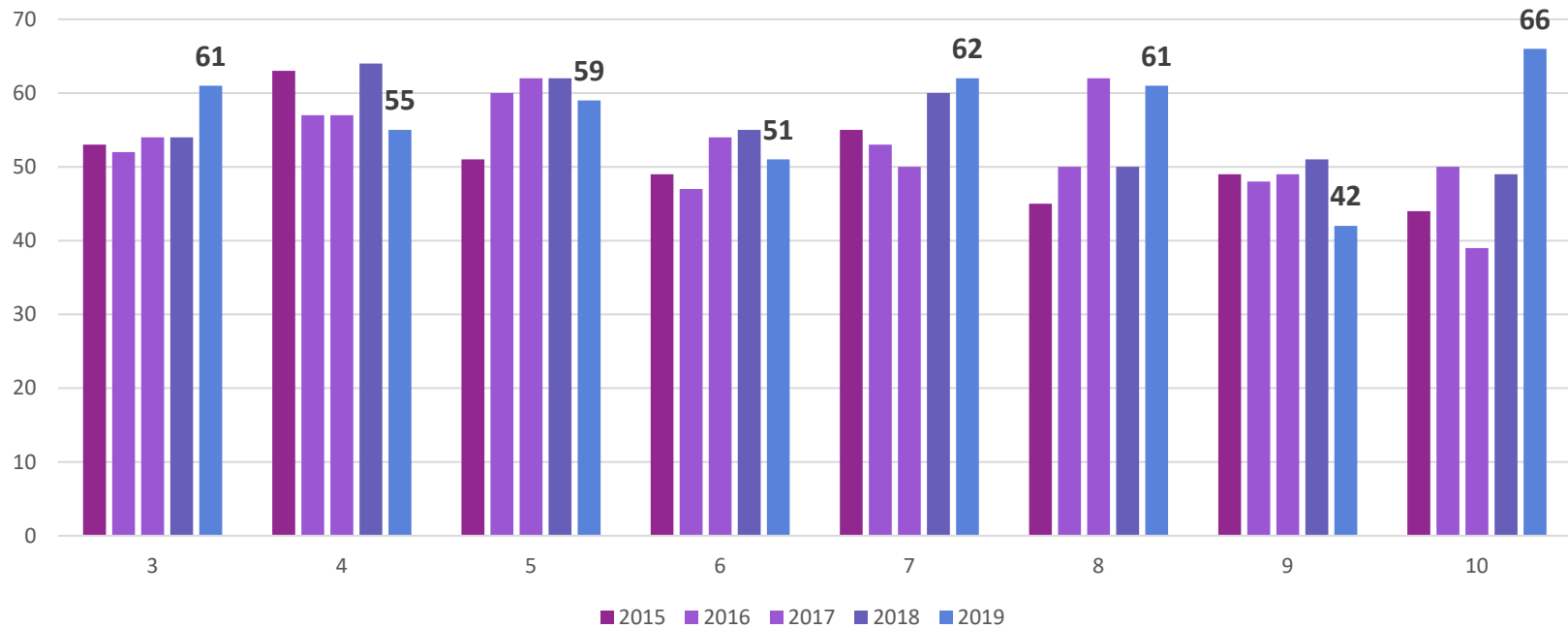
# NJSLA English Language Arts Spring 2019

Percent Passing

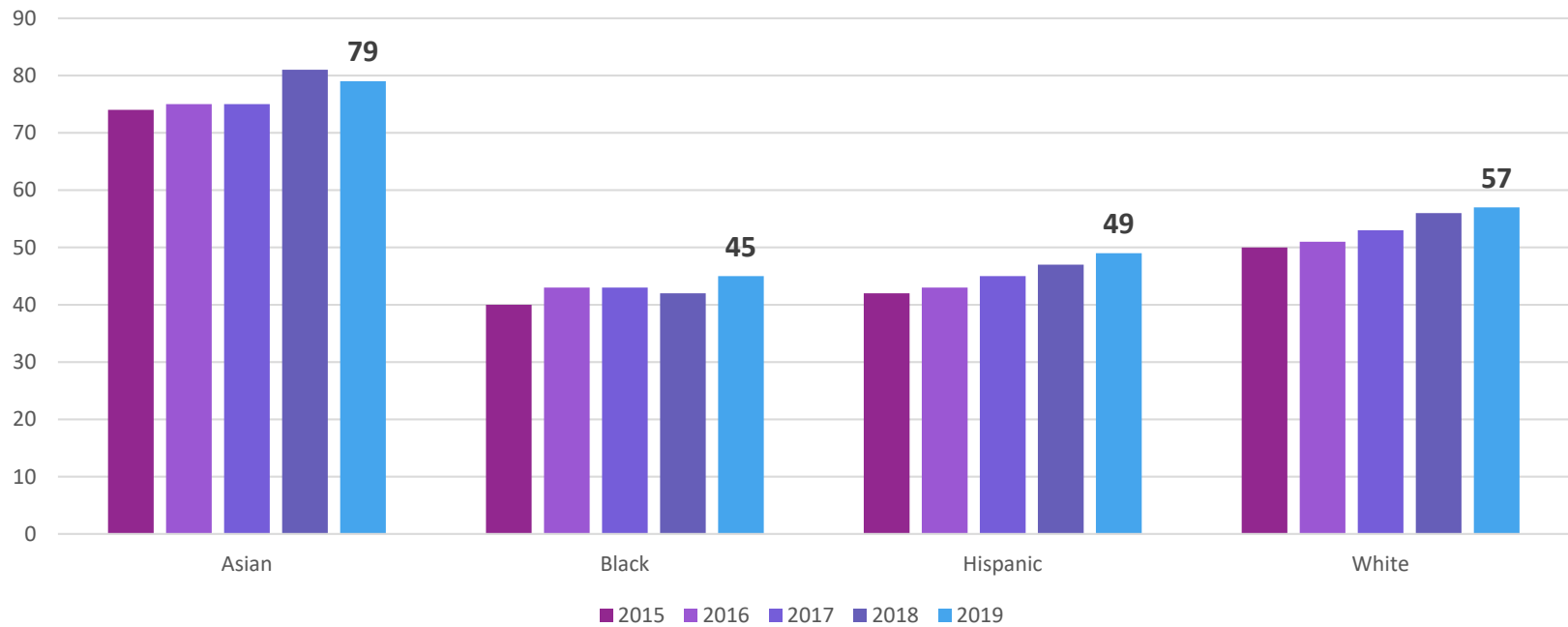


# PARCC/NJSLA English Language Arts Comparison 2015 - 2019

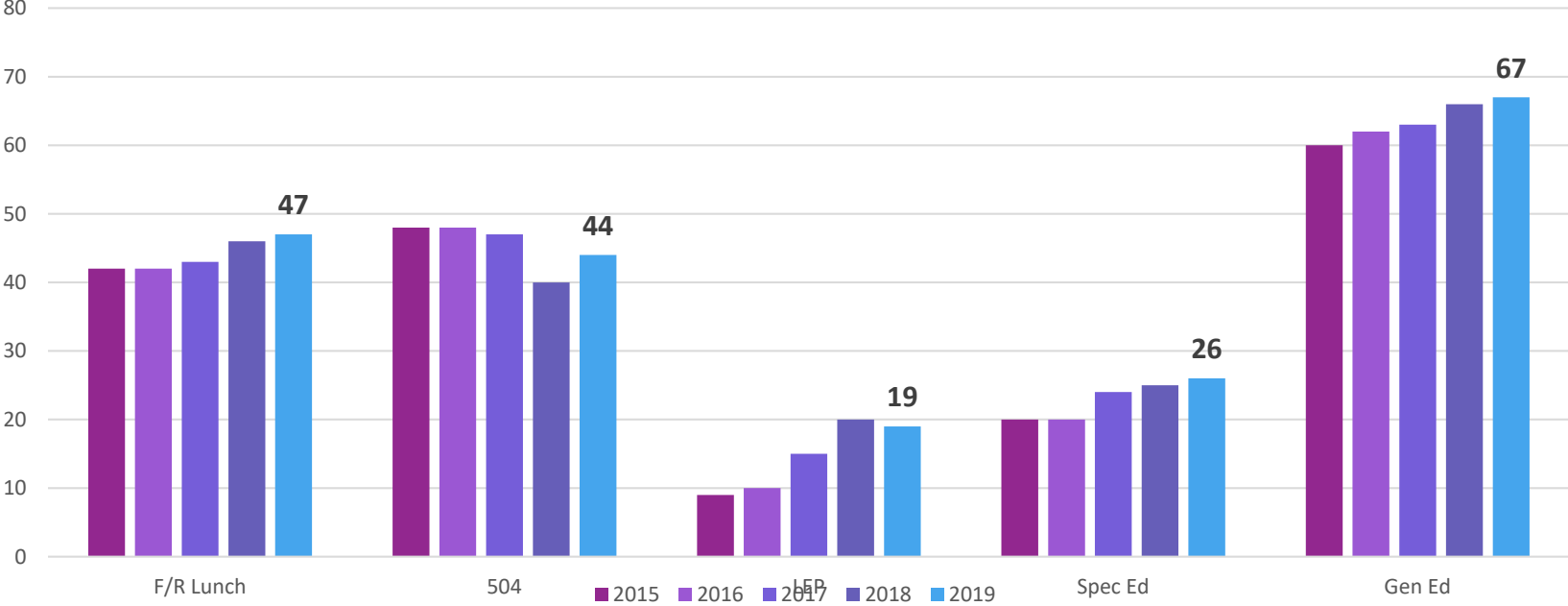
Percent Passing



# PARCC/NJSLA English Language Arts Proficiency by Race



# English Language Arts Proficiency by Program

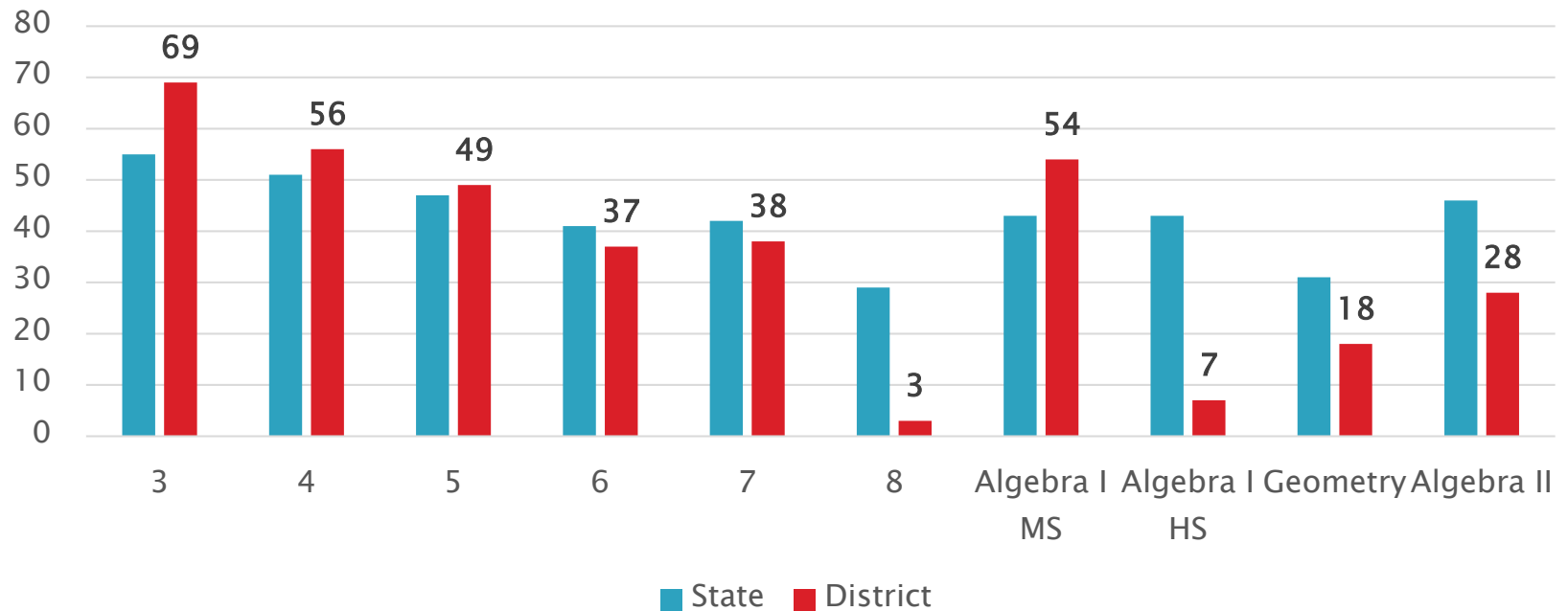




# NJSLA Mathematics

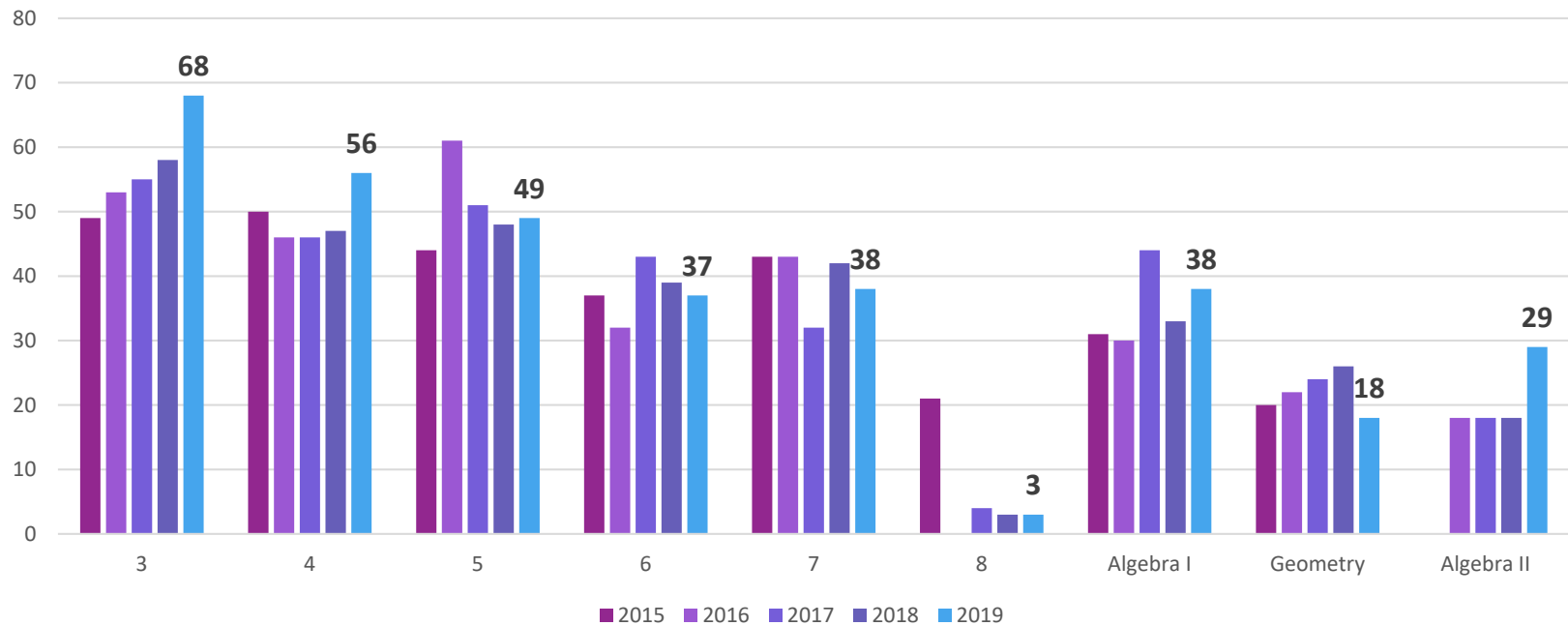
## Spring 2019

Percent Passing

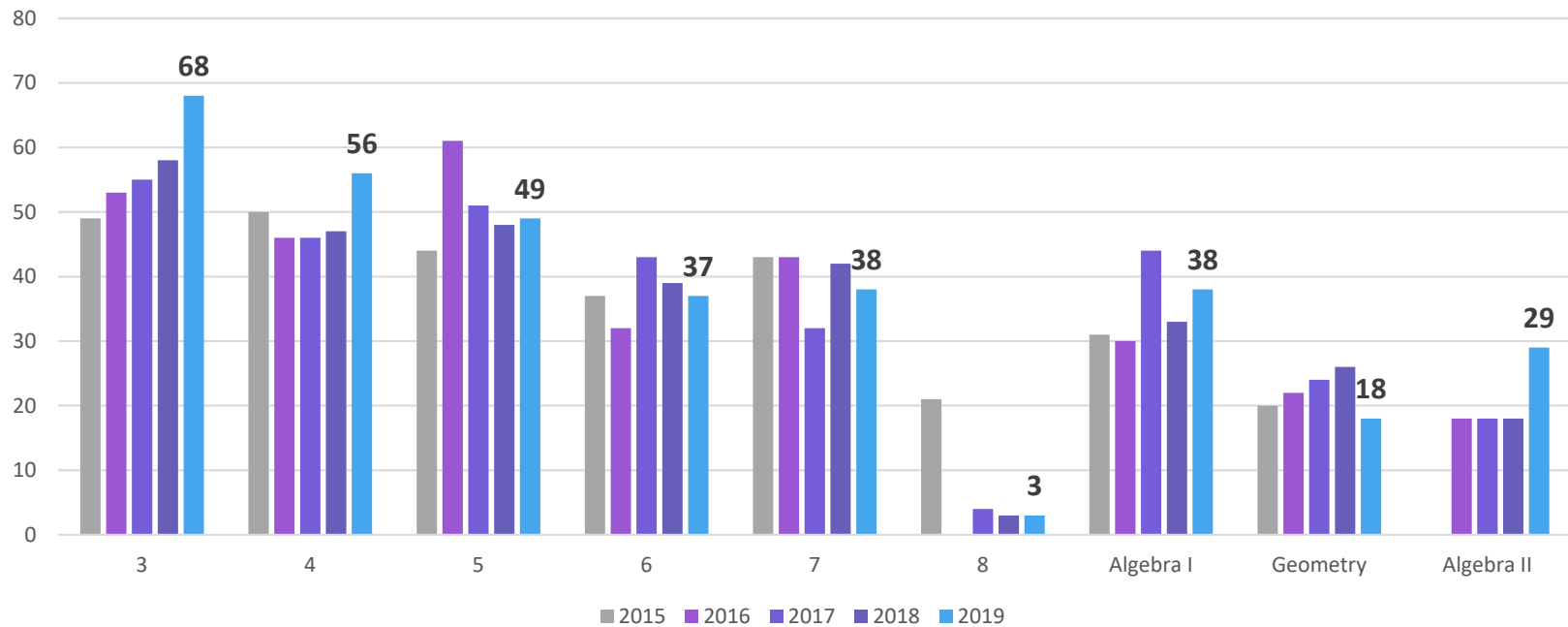


# NJSLA/PARCC Mathematics Comparison 2015 – 2019

## Percent Passing

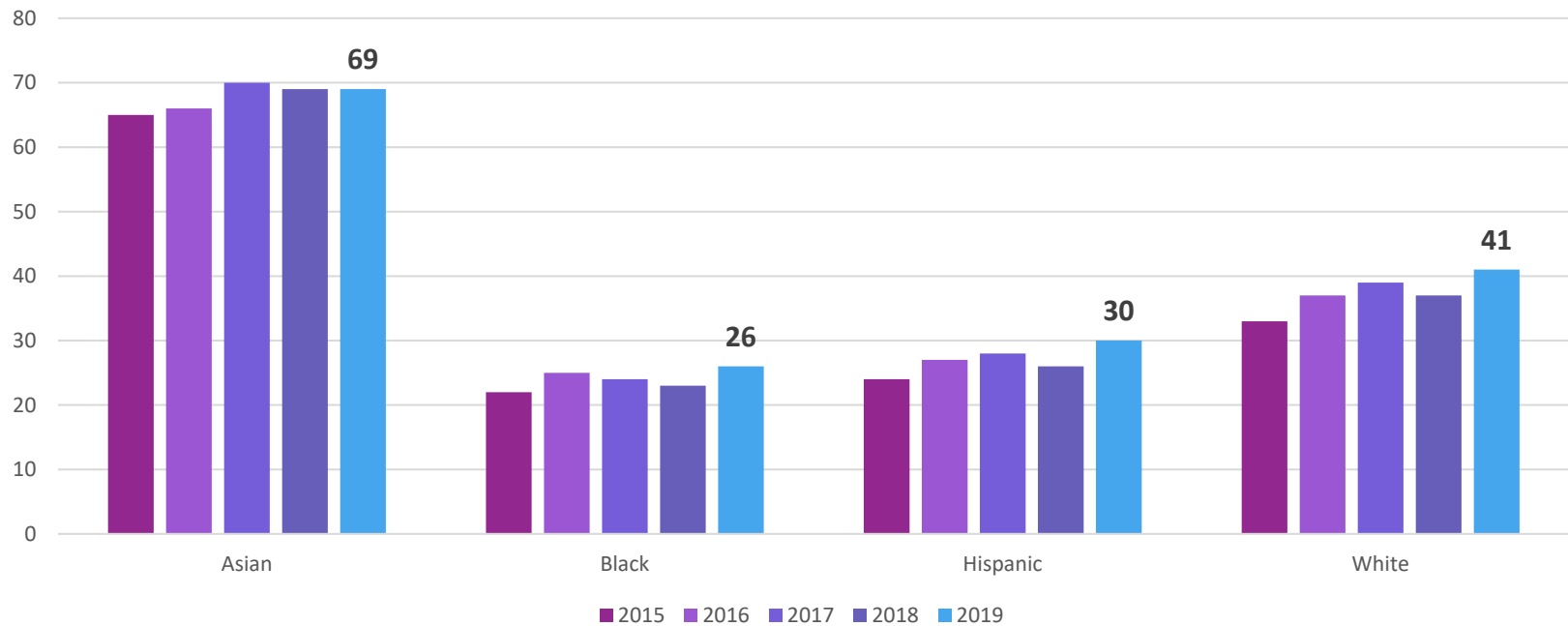


# PARCC/NJSLA Mathematics Comparison 2015 - 2019

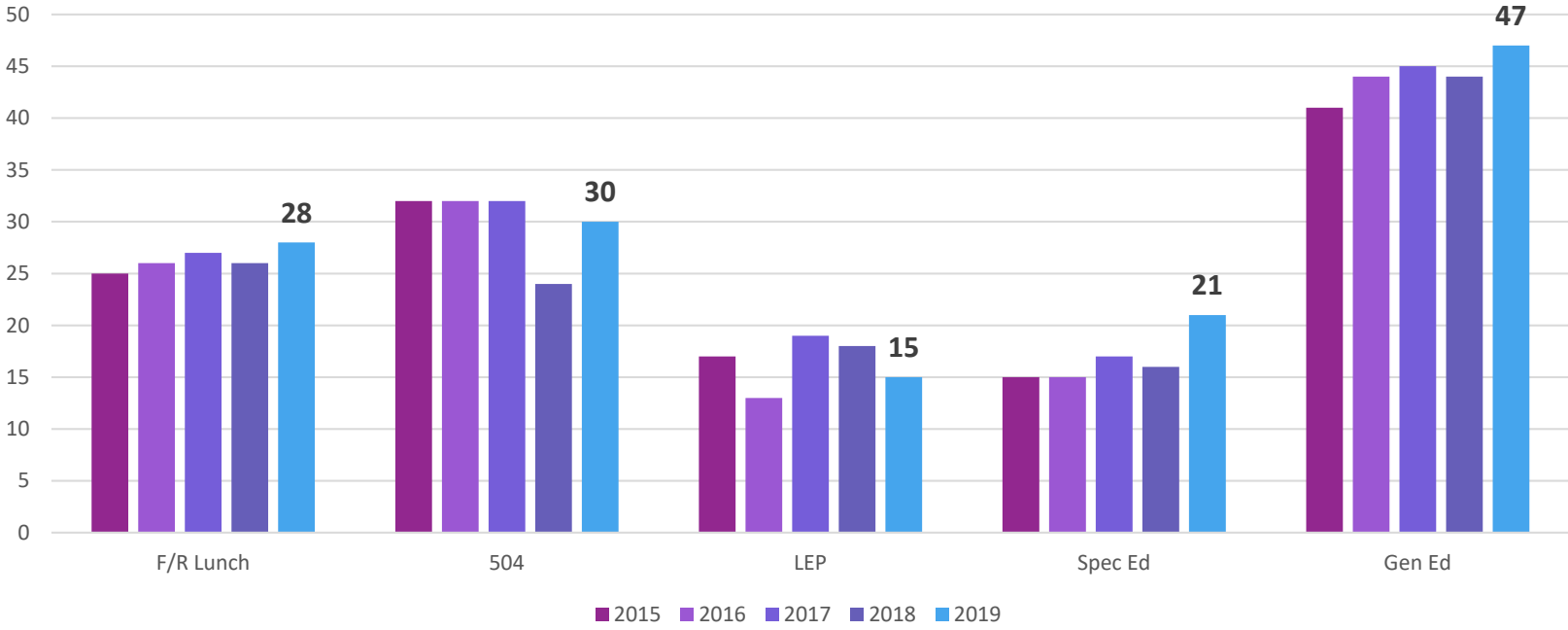


# PARCC/NJSLA Mathematics All Grades Proficiency by Race

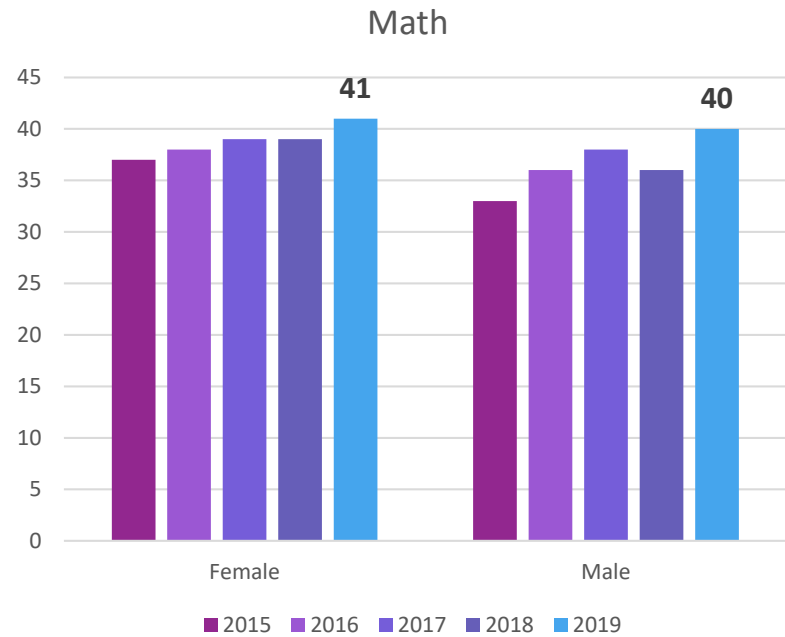
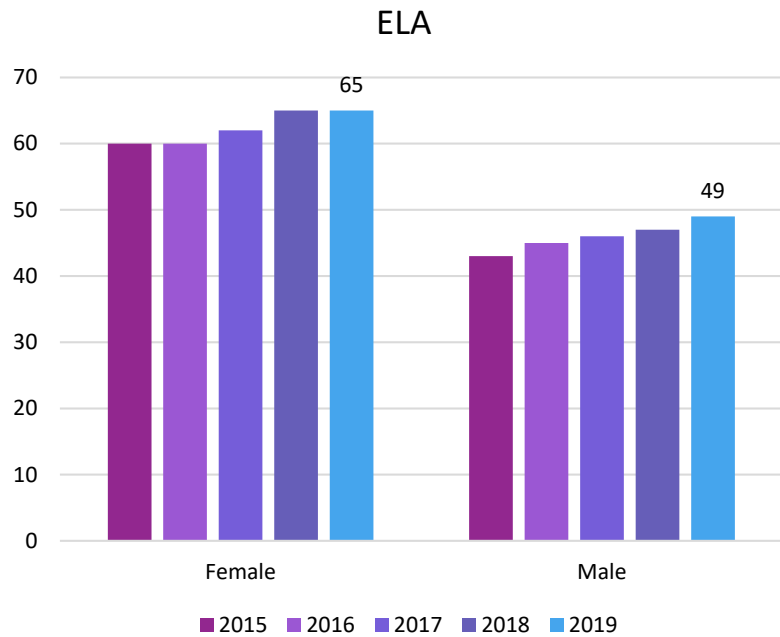
Percent Passing



# Mathematics Proficiency by Program



# Proficiency by Gender



# ACCESS for ELLs 2018–2019

	Level 1 Entering	Level 2 Emerging	Level 3 Developing	Level 4 Expanding	Level 5 Bridging	Level 6 Reaching
Listening	22	19	20	16	29	65
Speaking	37	64	57	7	3	4
Reading	48	44	29	17	19	16
Writing	29	38	81	21	1	0
Oral Language	27	28	62	41	11	4
Literacy	34	43	63	20	8	0
Comprehension	32	30	42	17	24	26
Overall Score	30	37	67	25	6	0

# AP Comparisons

	2013	2014	2015	2016	2017	2018	2019
Total Enrollment	377	367	322	387	359	393	400
Total # of Exams	240	215	189	336	356	358	362
# of Scores 3+	189	163	140	207	218	246	273
% of Scores 3+	79%	76%	74%	62%	61%	69%	75%



# Mean SAT Scores

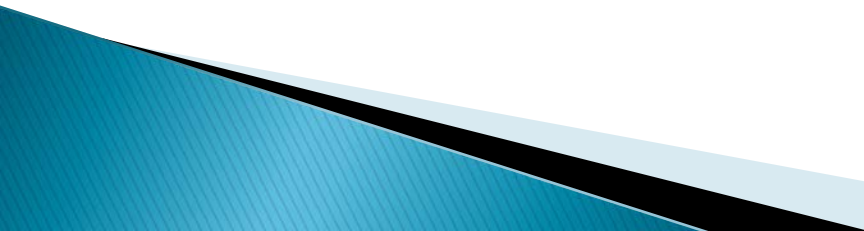
## Class of 2017 – 2019

	NEW SAT 2017		SAT 2018		SAT 2019	
	EBRW (Verbal)	Math	EBRW (Verbal)	Math	EBRW (Verbal)	Math
4-Year College Bound	553	562	566	575	564	578
2-Year College Bound	483	502	482	493	499	517
Total Students	532	539	543	552	541	557
State	539	537	547	547	544	545

# Dynamic Learning Maps (DLM) 2019

	Number of Students	Emerging	Approaching Target	At Target	Advanced
English Language Arts	40	14	18	4	4
Mathematics	40	18	10	8	4
Science	13	9	2	2	0

# Looking Back: 2018 - 2019 Initiatives

- ▶ Leveled Literacy Intervention for Academic Support Program
  - ▶ Achieve 3000 grades 3 – 5
  - ▶ Academic Support Mathematics teacher at Samsel
  - ▶ Online Algebra I modules
  - ▶ Career and Technical Education (CTE)
  - ▶ New ELL materials in grades 6 – 8
  - ▶ Responsive Classroom in all K – 5 schools
  - ▶ NJ Teacher to Teacher coaching K – 5
  - ▶ BASF Science Education Grant
  - ▶ Rutgers University Behavioral Healthcare at Samsel and Middle School
  - ▶ Fountas & Pinnell in grade 2
- 

# Looking Forward: 2019 -2020 Initiatives

- ▶ Fountas & Pinnell Classroom Grade 3
- ▶ envision Math 2020 in Grades K – 5
- ▶ Twenty five new and revised curriculum guides
- ▶ New textbooks – Psychology, Integrated Science, Physics 9
- ▶ Sheltered Instruction Observation Protocol (SIOP) to support English Language Learners
- ▶ High School Academies – Foundations of Academic and Community Training in Education (FACT) and Sayreville Business Academy (SBA)
- ▶ Middle School Instructional Coach
- ▶ Two additional ASI Math teachers at Samsel
- ▶ Lunch & Learn at Middle School
- ▶ Opportunity Rooms at Middle School and High School
- ▶ AP Computer Science
- ▶ CTE Programs – Accounting, Marketing, Computer Science, Education
- ▶ Rutgers University Behavioral Health Program at Elementary Schools

# 2018-19 HIB Self- Assessment Ratings

By Mr. Eric Glock-Molloy

# HIB–Anti Bullying Self–Assessment

- ▶ The Commissioner of Education is required to develop a program to grade each public school and school district's efforts to implement the *Anti–Bullying Bill of Rights Act* (ABR) (*N.J.S.A. 18A:17–46*).
- ▶ The ABR grade for each school will be determined primarily through a self–assessment of the school's implementation of the ABR using a tool titled *School Self–Assessment for Determining Grades under the ABR* (Self–Assessment ).

# HIB–Anti Bullying Self–Assessment

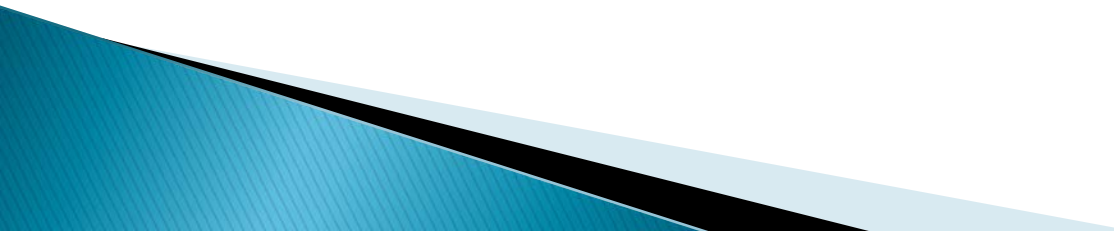
- ▶ The Self–Assessment must be made available for public comment and approved by the district board of education (BOE). The chief school administrator (CSA) will be required to certify the electronic submission of each school’s Self–Assessment and *Statement of Assurances*. The school district’s grade will be the average of the grades of each school in the district.
- ▶ The NJDOE will create *District and School Grade Reports* of the district–reported ratings for each core element for each school and for the school and district grades.

# HIB–Anti Bullying Self–Assessment

- ▶ Districts and schools are required to post the grades as follows:
  - Each school must post the grade received by the school and the school district on the homepage of the school’s website within 10 days of the NJDOE notification that the grades are available and must use the state *District and School Grade Reports* for posting on the appropriate websites.
- ▶ School district officials are required to review the school and school district grades with the BOE at a public meeting.



# HIB–Anti Bullying Self–Assessment

- ▶ The Self–Assessment includes eight core elements (identified immediately below) which address all of the ABR requirements for schools.
  - ▶ #1: HIB Programs, Approaches or Other Initiatives
  - ▶ #2: Training on the BOE–approved HIB Policy
  - ▶ #3: Other Staff Instruction and Training Programs
  - ▶ #4: Curriculum and Instruction on HIB and Related Information and Skills
  - ▶ #5: HIB Personnel
  - ▶ #6: School–Level HIB Incident Reporting Procedure
  - ▶ #7: HIB Investigation Procedure
  - ▶ #8: HIB Reporting
- 

# HIB–Anti Bullying Self–Assessment

## ▶ *Assigning the School Grade*

- A point value will be assigned to each indicator based on the selected rating category as follows:
  - Does not meet the requirements – 0 points
  - Partially meets the requirements – 1 point
  - Meets all requirements – 2 points
  - Exceeds the requirements – 3 points
- Each core element will receive a score based on the sum of the ratings for all indicators within a core element. The overall grade for each school will be reported as the sum of the subtotals of the eight core elements compared to the sum of the maximum score of 78. (For example, school X achieved a total score of 55 of 78 points.)

# HIB–Anti Bullying Self–Assessment

- ▶ Grading for school districts will include two scores:
  - The overall score to be provided by the DOE at a later date; and
  - The average of the total scores on the Self–Assessment from all schools in a school district.

# 2018-19 ABS/HIB SELF ASSESSMENT

SCHOOL	#1 out of 15	#2 out of 9	#3 out of 15	#4 out of 6	#5 out of 9	#6 out of 6	#7 out of 12	#8 out of 6	SCORE out of 78
SWMHS	13	9	14	6	8	6	12	6	73
SMS	11	8	12	6	7	6	10	6	68
SUES	12	7	11	6	7	5	12	6	66
Eisenhower	13	7	11	5	6	5	12	4	63
Arleth	13	8	13	5	8	5	12	6	70
Truman	13	7	14	6	8	6	10	6	70
Wilson	14	9	14	6	8	6	12	6	75
<b>District Average</b>	<b>13</b>	<b>8</b>	<b>13</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>11</b>	<b>6</b>	<b>69</b>

#1: HIB Programs, Approaches or Other Initiatives

#2: Training on the BOE-approved HIB Policy

#3: Other Staff Instruction and Training Programs

#4: Curriculum and Instruction on HIB and Related Information and Skills

#5: HIB Personnel

#6: School-Level HIB Incident Reporting Procedure

#7: HIB Investigation Procedure

#8: HIB Reporting

# School's HIB Self-Assessment Comparison

School	13-14	14-15	15-16	16-17	17-18	18-19
Arleth	64	67	69	69	71	70
Eisenhower	54	62	50	51	51	63
High School	68	70	77	75	76	73
Middle School	55	71	70	61	67	68
SUES	56	59	64	65	64	66
Truman	63	64	66	73	66	70
Wilson	64	68	54	75	75	75

Maximum Possible Score 78

# 2020–21 Budget Development Calendar and Facilities Strategic Action Plan Presentation

By Dr. Richard Labbe



# 2020–21 Budget Development Calendar

- October 15, 2019 – State of the Schools Address
- December 6, 2019 – All Budget Data Due in Systems 3000
- December 17, 2019 – Food Services Presentation
- January 2, 2020 – BOE Reorganization
- January 10, 2020 – Balanced Preliminary Budget Submitted to BOE
- January 21, 2020 – Schools, Curriculum & Instruction, and Athletics Presentations
- February 4, 2020 – Special Education, Technology, and Transportation Presentations
- February 18, 2020 – Buildings and Grounds, Capital Projects, and Personnel Presentations
- March 3, 2020 – **Let the Children Lead**
- March 17, 2020 – BOE Approval of Preliminary Budget
- March 20, 2020 – Submission of Preliminary Budget to DOE
- April 21, 2020 – County DOE Approval of Preliminary Budget
- May 5, 2020– Public Hearing and BOE Adoption of Final Budget
- May 11, 2020 – Submission of BOE Adopted Budget to the DOE
- May 20, 2020 – Submission Tax Certificate to County Board of Taxation

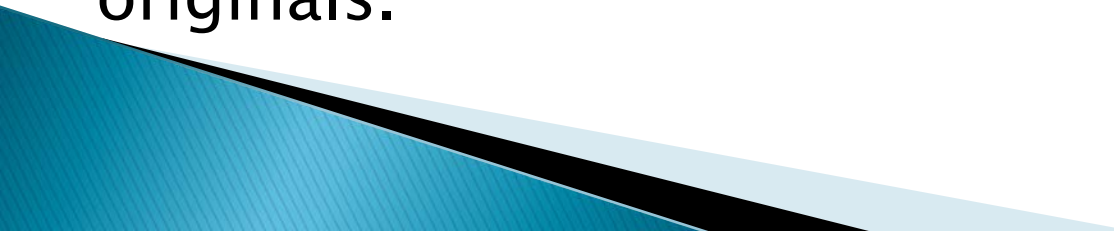
Dates subject to change based on Board Meeting Schedule Approved at January 3<sup>rd</sup> Reorganization Meeting

# Guess how old we are?

- ▶ **SWMHS**
  - 57 (Built in 1962)
- ▶ **SMS**
  - 51 (Built in 1968)
- ▶ **SUES**
  - 15 (Built in 1952 and remodeled in 2004)
- ▶ **Truman**
  - 47 (Built in 1972)
- ▶ **Eisenhower**
  - 50 (Built in 1969)
- ▶ **Arleth**
  - 60 (Built in 1959)
- ▶ **Wilson**
  - 86 (Built in 1933)
- ▶ **Selover**
  - 65 (Built in 1954)



# Note!

- ▶ Although some of the windows and doors in some of our buildings have been replaced over the years, many of them are the originals that were installed when each school was constructed.
  - ▶ While we have performed work on our roofs, the majority of them are over 20 years of age.
  - ▶ While many may have been replaced over the years, most of the mechanicals, such as boilers and unit ventilators, are either the originals or are nearing 20 years old.
  - ▶ While some have been upgraded through the years, many of the electrical grids are the originals.
- 

**We must start now to strategically and methodically improve our facilities, which are the learning environments for our students and the working environments for our staff.**

# Key Questions

- ▶ How can we keep our students and staff safe in our aging facilities?
  - Are our building envelopes and roofs sealed and safe?
- ▶ How can we continue to increase student achievement?
  - Are our students meeting their potential as learners?
- ▶ Does the climate in our schools' environments impact student learning?
  - Is the temperature in our schools conducive for optimum teaching and learning throughout the entire school year?
    - Cool in spring/fall/summer?
    - Warm in the winter?
- ▶ Do our electrical grids generate enough power for our students and staff?
  - Do we have enough power for the increase in technology and potential HVAC?
- ▶ Can we develop an in-district 18-21 year old students with disabilities program?
  - Can we educate our students better and more cost effectively?
- ▶ If we want our district bus drivers and aides to transport all or most of our students, can we safely maintain the busses?
  - If we are going to bus more of our students and be less reliant on vendors with less competent drivers, can we safely maintain the additional busses?
- ▶ How can we offset rising energy costs while still leveraging technology and providing healthy climate controlled environments?
  - How can we increase our electrical infrastructure without increasing energy consumption and paying higher energy costs?

# Facility and Infrastructure Needs for ALL Schools

- ▶ Reparation or Installation of New Central Heating and Cooling Systems
  - Large rooms (media centers, cafeterias, gymnasiums)
- ▶ Replacement of Inoperable or Inefficient boilers and Existing Classroom HV/Inefficient HVAC Unit Ventilators (UV) with high Efficiency Boilers and HVAC UVs
- ▶ New and/or Revamped Electrical Infrastructure
  - Power grids
- ▶ New Building Envelopes
  - Roofs
  - Windows
  - Doors
- ▶ Renovations to the Selover School in Order to Make it an 18–21 Year Old Program School
- ▶ Construction of a New Bus Complex
  - 3 bay garage, offices, break rooms
- ▶ Installation of Solar Panels on Applicable Roofs

# Climate Controlled Environment

- ▶ Research strongly and universally correlates increased student achievement in climate controlled environments.
  - Teaching is improved and learning is enhanced.
- ▶ A proposed statute will require classrooms to be between 65 and 79 degrees and those not meeting those standards be relocated.
- ▶ More than half of NJ Schools are fully climate controlled.
- ▶ In Middlesex County 92% of districts have some schools that are fully and others that are partially air conditioned. Moreover, in 50% of the districts, all schools are fully air conditioned.

# May 2019

AccuWeather in partnership with 								
5	6	7	8	9	10	11		
$\frac{57^\circ}{49^\circ}$	$\frac{73^\circ}{51^\circ}$	$\frac{77^\circ}{56^\circ}$	$\frac{71^\circ}{50^\circ}$	$\frac{64^\circ}{53^\circ}$	$\frac{79^\circ}{56^\circ}$	$\frac{71^\circ}{50^\circ}$		
12	13	14	15	16	17	18		
$\frac{50^\circ}{43^\circ}$	$\frac{48^\circ}{45^\circ}$	$\frac{55^\circ}{40^\circ}$	$\frac{72^\circ}{48^\circ}$	$\frac{75^\circ}{51^\circ}$	$\frac{81^\circ}{56^\circ}$	$\frac{79^\circ}{54^\circ}$		
19	20	21	22	23	24	25		
$\frac{87^\circ}{62^\circ}$	$\frac{87^\circ}{57^\circ}$	$\frac{73^\circ}{44^\circ}$	$\frac{76^\circ}{56^\circ}$	$\frac{75^\circ}{55^\circ}$	$\frac{76^\circ}{52^\circ}$	$\frac{74^\circ}{59^\circ}$		
26	27	28	29	30	31	6/1		
$\frac{88^\circ}{62^\circ}$	$\frac{82^\circ}{55^\circ}$	$\frac{79^\circ}{63^\circ}$	$\frac{72^\circ}{58^\circ}$	$\frac{76^\circ}{60^\circ}$	$\frac{81^\circ}{58^\circ}$	$\frac{79^\circ}{61^\circ}$		

- ▶ 11 out of 19 days in which the temperature in ground level classrooms was 80 degrees or more and potentially 90 degrees or more on 2<sup>nd</sup> floors.

# June 2019



- ▶ 10 out of 15 days in which the temperature in ground level classrooms was 80 degrees or more and potentially 90 degrees or more on 2<sup>nd</sup> floors. 3 days were potentially 100 degrees or more on second floors.

# September 2019




- ▶ 12 out of 17 days in which the temperature in ground level classrooms was 80 degrees or more and potentially 90 degrees or more on 2<sup>nd</sup> floors. 4 days were potentially 100 degrees or more on second floors.
- ▶ On October 2<sup>nd</sup> temperatures are expected to be 90 degrees, which will mean that it will probably be 95 degrees in ground level classrooms and 105 degrees on 2<sup>nd</sup> floors.



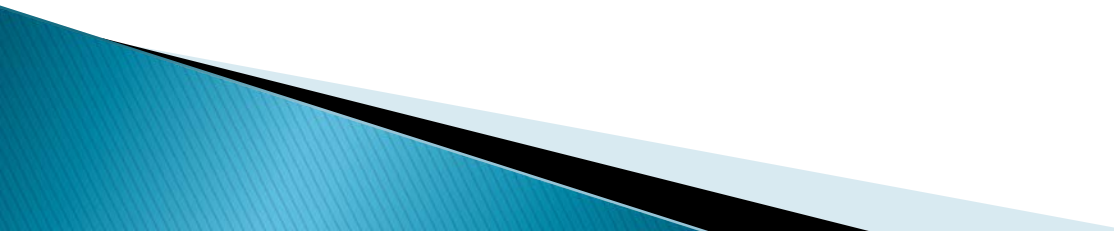
# Selover School

- ▶ Currently we educate all our 18–21 year old students with intellectual disabilities out of the district, which when their tuition is combined with their transportation can cost up to \$80,000–90,000 per student.
- ▶ If we were to develop an 18–21 year old program and locate it at the Selover School, we could potentially save the district
  - \$960,000 in 2021–22
  - \$1,920,000 in 2022–23
  - 2,880,000 in 2023 and each year afterward
- ▶ We could also generate between \$200,000 and 300,000 per year.
- ▶ However, we need to renovate the Selover School so that it meets NJDOE school facility requirements.
- ▶ Between the money saved and revenue generated, we could potentially pay for the cost to renovate Selover in 3–4 years.

# How can we fund all these required improvements?

- ▶ Facilities Bond Referendum (aka. Referendum)
  - ▶ Energy Savings Improvement Project (ESIP)
  - ▶ Lease/Purchase Finance Agreement (LPA)
  - ▶ Power/Purchase Finance Agreement (PPA)
- 

# What is a Facilities Bond Referendum?

- ▶ A process whereby the voters of a municipality are given the opportunity to approve or disapprove a proposed new capital project to construct new or renovate existing facilities. An election is most commonly required in connection with general obligation or full faith and credit bonds. Requirements for voter approval are based on statute and/or local ordinance.
- 

# What is an Energy Savings Improvement Project (ESIP)

- ▶ NJ law allows government agencies to make energy related improvements to their facilities and pay for the costs using the value of energy savings that result from the improvements. Under Chapter 4 of the Laws of 2009 (the law), the “Energy Savings Improvement Program” (ESIP), provides all government agencies in New Jersey, including public school districts, with a flexible tool to improve and reduce energy usage with minimal expenditure of new financial resources.

# Lease/Purchase Agreement?

- ▶ School districts can also use lease/purchase agreement financing for busses, equipment and even construction projects. This allows a district to receive larger amounts of funding up front, which can speed up construction and enable a district to put new and remodeled facilities into service more quickly, as well as reduce the odds of probable inflation in construction costs over time.
- ▶ As is the case with equipment leases, as long as the district can afford the repayment of the lease within five years or less, capital projects such as new construction, building renovations, and additions can be financed through a five year lease-purchase agreement.
- ▶ However, these payments must be made within the school district's operating budgetary cap, and must be considered as a part of its long-range facilities plan budget planning process.

# Power Purchase Agreement

- ▶ A Power Purchase Agreement (PPA) is an arrangement in which a third-party developer installs, owns, and operates an energy system on a customer's property. The customer then purchases the system's electric output for a predetermined period. A PPA allows the customer to receive stable and often low-cost electricity with no upfront cost, while also enabling the owner of the system to take advantage of tax credits and receive income from the sale of electricity. Though most commonly used for renewable energy systems, PPAs can also be applied to other energy technologies such as combined heat and power (CHP).

# Our Proposed Potential Strategic Plan

# Potential Facilities Bond Referendum/ESIP Project

## Facilities Bond Referendum

- ▶ **Submission in March 2020 for Vote in September 2020**
- ▶ All remaining building envelope upgrades
  - Windows and doors
- ▶ Roof replacements and/or reparations
- ▶ Electrical infrastructure upgrades
- ▶ Installation of air conditioning in all schools
  - Large (i.e.: gym, library, cafeteria) rooms in each building
  - Replacement of classroom HV unit ventilators with HVAC ventilators, especially on second floors
- ▶ Renovation of the Selover School

## ESIP

- ▶ **Submission in July 2020 for start in September 2020**
- ▶ High efficiency lighting conversion
- ▶ Replacement of inefficient mechanicals, such as boilers
- ▶ Replacement of inefficient HV/HVAC unit ventilators
- ▶ Electrical infrastructure upgrades



# Potential Lease Purchase/Power Purchase Agreements

## Lease Purchase Agreement

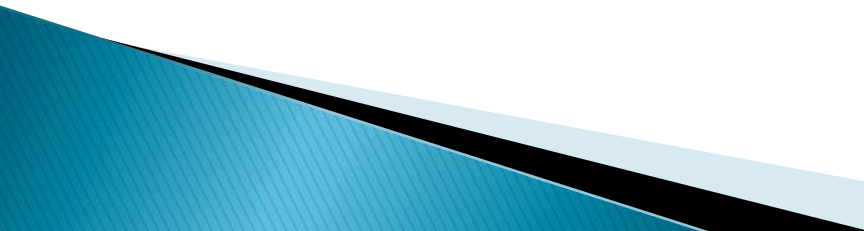
- ▶ Transportation complex
  - 3 bay garage
  - Maintenance Area
  - Mechanic office/locker room
  - Driver break/locker room
  - Director and administrative assistant offices

## Power Purchase Agreement

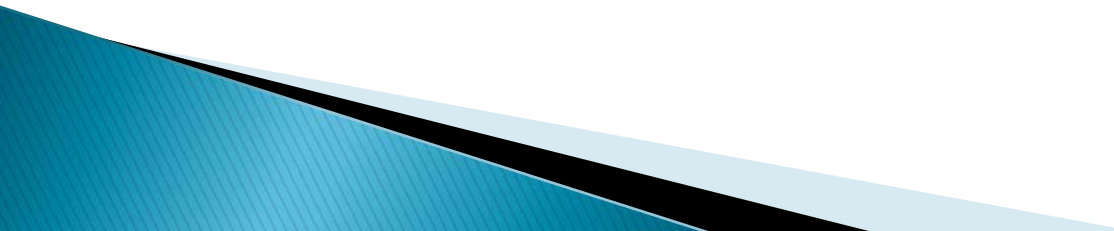
- ▶ Installation of Solar Panels
  - Roofs with 25 year warranties

We can perform the LPA, PPA, and even the ESIP projects, upon NJDOE approval, within a budget cycle, but we will need voter approval in order to perform the referendum projects.

# Referendum

- ▶ Six Major Construction Project Domains
  - ▶ Five Options
  - ▶ Community Input
    - Meetings
      - BOE, SPAC/Blue Ribbon, PTO, Faculty, Student Council
    - Survey
      - November 4<sup>th</sup>
  - ▶ Submission of project to NJDOE in March 2020
  - ▶ Referendum Vote at the end of September 2020
- 

# Construction Project Domains

- ▶ Domain 1 – Upgrades to HV/AC
  - ▶ Domain 2 – HVAC for larger spaces
  - ▶ Domain 3 – HVAC to upper floors
  - ▶ Domain 4 – Renovation of Selover
  - ▶ Domain 5 – Roofing and Windows
- 

# Option A

School	Roofing	Windows	Total cost for new complete HVAC system	Total
Arleth Elementary	\$852,784	\$100,328 *	\$6,718,283	\$7,671,394
Eisenhower Elementary	\$0	\$761,189 *	\$6,173,583	\$6,934,772
Truman Elementary	\$0	\$1,003,860	\$5,940,818	\$6,944,678
Wilson Elementary	\$1,122,521	\$1,461,031	\$5,436,145	\$8,019,697
Samsel Upper Elementary	\$2,204,309	\$5,042,101	\$14,649,103	\$21,895,514
Sayreville Middle School	\$479,050	\$3,843,697	\$12,624,920	\$16,947,667
War Memorial High School	\$1,602,809	\$648,648	\$20,433,186	\$22,684,643
<b>Subtotal</b>	<b>\$6,261,473</b>	<b>\$12,860,854</b>	<b>\$71,976,038</b>	<b>\$91,098,366</b>
Selover Elementary				\$ 8,603,023
<b>Total</b>				<b>\$99,701,389</b>

Approximate Tax Impact for  
Average Assessed Home at (\$144,724)

Annual \$295  
Monthly \$25  
Daily \$0.81

# Option B

School	Roofing	Windows	Total cost for new complete HVAC system	Cooling Large Spaces	Cooling Upper Floors	Total
Arleth Elementary	\$852,784	\$100,328 *	\$6,718,283			\$7,671,394
Eisenhower Elementary	\$0	\$761,189 *	\$6,173,583			\$6,934,772
Truman Elementary	\$0	\$1,003,860	\$5,940,818			\$6,944,678
Wilson Elementary	\$1,122,521	\$1,461,031		\$1,835,854	\$1,873,300	\$6,292,706
Samsel Upper Elementary	\$2,204,309	\$5,042,101		\$1,216,707	\$6,499,350	\$14,962,468
Sayreville Middle School	\$479,050	\$3,843,697		\$1,809,665	\$2,831,400	\$8,963,812
War Memorial High School	\$1,602,809	\$648,648		\$2,766,685	\$6,327,750	\$11,345,892
<b>Subtotal</b>	<b>\$6,261,473</b>	<b>\$12,860,854</b>	<b>\$18,832,684</b>	<b>\$7,628,911</b>	<b>\$17,531,800</b>	<b>\$63,115,723</b>
Selover Elementary						\$8,603,023
<b>Total</b>						<b>\$71,718,746</b>

**Approximate Tax Impact for**  
**Average Assessed Home at (\$144,724)**

**Annual \$212**  
**Monthly \$18**  
**Daily \$0.58**

# Option C

School	Roofing	Windows	Cooling Large Spaces	Cooling Upper Floors	Total
Arleth Elementary	\$852,784	\$100,328 *	\$1,310,849	N/A	\$2,263,960
Eisenhower Elementary	\$0	\$761,189 *	\$803,277	N/A	\$1,564,466
Truman Elementary	\$0	\$1,003,860	\$886,600	N/A	\$1,890,460
Wilson Elementary	\$1,122,521	\$1,461,031	\$1,835,854	\$1,873,300	\$6,185,456
Samsel Upper Elementary	\$2,204,309	\$5,042,101	\$1,216,707	\$6,499,350	\$14,662,168
Sayreville Middle School	\$479,050	\$3,843,697	\$1,809,665	\$2,831,400	\$8,320,312
War Memorial High School	\$1,602,809	\$648,648	\$2,766,685	\$6,327,750	\$11,345,892
<b>Subtotal</b>	<b>\$6,261,473</b>	<b>\$12,860,854</b>	<b>\$10,629,637</b>	<b>\$17,531,800</b>	<b>\$46,232,714</b>
Selover Elementary					\$8,603,023
<b>Total</b>					<b>\$54,835,737</b>

**Approximate Tax Impact for**  
**Average Assessed Home at (\$144,724)**

**Annual \$162**  
**Monthly \$13**  
**Daily \$0.45**

# Option D

School	Roofing	Windows	Cooling Large Spaces	Total
Arleth Elementary	\$852,784	\$100,328 *	\$1,310,849	\$2,263,960
Eisenhower Elementary	\$0	\$761,189 *	\$803,277	\$1,564,466
Truman Elementary	\$0	\$1,003,860	\$886,600	\$1,890,460
Wilson Elementary	\$1,122,521	\$1,461,031	\$1,835,854	\$4,419,406
Samsel Upper Elementary	\$2,204,309	\$5,042,101	\$1,216,707	\$8,463,118
Sayreville Middle School	\$479,050	\$3,843,697	\$1,809,665	\$6,132,412
War Memorial High School	\$1,602,809	\$648,648	\$2,766,685	\$5,018,142
<b>Subtotal</b>	<b>\$6,261,473</b>	<b>\$12,860,854</b>	<b>\$10,629,637</b>	<b>\$29,751,964</b>
Selover Elementary				\$8,603,023
<b>Total</b>				<b>\$38,354,987</b>

Approximate Tax Impact for  
Average Assessed Home at (\$144,724)

Annual \$113  
Monthly \$9  
Daily \$0.31



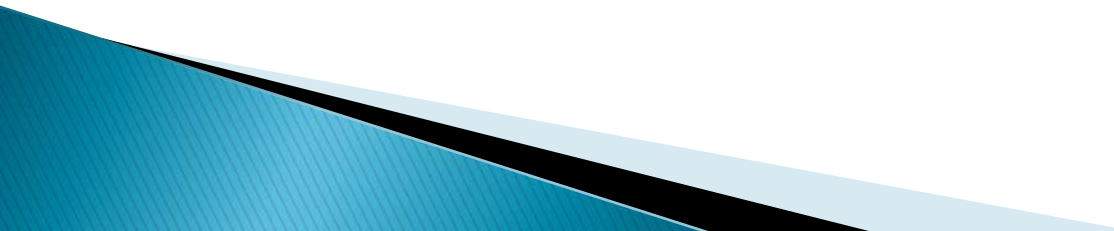
# Option E

School	Roofing	Windows	Total
Arleth Elementary	\$852,784	\$100,328 *	\$953,111
Eisenhower Elementary	\$0	\$761,189 *	\$761,189
Truman Elementary	\$0	\$1,003,860	\$1,003,860
Wilson Elementary	\$1,122,521	\$1,461,031	\$2,583,552
Samsel Upper Elementary	\$2,204,309	\$5,042,101	\$7,246,411
Sayreville Middle School	\$479,050	\$3,843,697	\$4,322,747
War Memorial High School	\$1,602,809	\$648,648	\$2,251,457
<b>Subtotal</b>	<b>\$6,261,473</b>	<b>\$12,860,854</b>	<b>\$19,122,327</b>
Selover Elementary			\$8,603,023
<b>Total</b>			<b>\$27,725,350</b>

Approximate Tax Impact for  
Average Assessed Home at (\$144,724)

Annual \$82  
Monthly \$7  
Daily \$0.23

# Survey

- ▶ 5 minutes or less
  - ▶ Introduction
  - ▶ Demographic Information
  - ▶ Valuation of Learning and Teaching Environment Inquiry
  - ▶ Satisfaction with Teaching and Learning Environment Inquiry
  - ▶ Recommended Action Inquiry
  - ▶ Option Inquiry (Sayreville Residents Only)
- 

# Some final things to think about...

- ▶ The tax impact for any option will decrease gradually as the principal is paid each year, and in 2030, when the debt from the previous referendum is paid in full, it will reduce by 30%.
- ▶ Sayreville ranks 342 out of 566 municipalities in terms of the average property tax bill which means that roughly 60% of the municipalities in New Jersey have a higher tax bill than we do in Sayreville.
- ▶ Sayreville schools are currently below adequacy in funding by \$24,317,514.
  - Our current state aid funding \$16,004,085 less than what we should be.
  - Our current local fair share from Sayreville tax payers is \$8,313,429 less than what it should be

# Some final things to think about...

- ▶ Of all school districts with a high school, Sayreville is ranked the 11<sup>th</sup> **lowest** in **NJ** in terms of 2017–18 per pupil spending.
    - **Only 4%** of high school districts spend **less** than we do.
  - ▶ Of K–12 districts with 3,500 students or more, **we spend the least amount per pupil in the NJ**. No district spends less than we do.
    - We spend \$1,076,075 less than closest K–12 district with 3,500 students or more.
  - ▶ We spend \$7,009,860 less than North Brunswick, which is the most comparable Middlesex County district to us in size and socio–economics.
- 