



COOPERATIVE STRATEGIES

COMPLETE FINANCIAL & DEMOGRAPHIC PLANNING FOR EDUCATION

SCHOOL BOARD UPDATE

NORFOLK PUBLIC SCHOOLS

DECEMBER 19, 2018

AGENDA



1. School Start Times

- **Benefits & Challenges**
- **Impact on Transportation**
- **Financial Considerations**
- **Scenarios**
- **Timeline for Implementation**

2. Recommendations for Lake Taylor Middle School

3. Feeder Pattern Changes Overview

4. Community Steering Committee

- **Roles & Responsibilities**

SCHOOL START TIME



Recommendation

The Norfolk Board of Education will conduct a study and community engagement process that explores the changing of school start times for elementary and high schools.

RESEARCH ON BENEFITS & CHALLENGES OF SCHOOL START TIMES



BENEFITS

Health & Well Being

- Changes in student moods following a 25-minute delay in start times found that inadequate sleep was associated with greater levels of depression, sleepiness, and caffeine consumption. After the delay in start times, outcomes in each of these areas improved as more students reported longer durations of sleep. *Boergers, Gable, and Owens (2014)*
- Examined motor vehicle crashes among 17- and 18-year-olds before and after a start time change in a Kentucky school district. The number of car crashes per 1,000 drivers in the age range decreased by 16.5 percent in the two years following the start time change, despite rapid population growth in the area. *Danner and Phillips (2008)*
- Comparison of teen crash rates of two cities in Virginia with different high school start times and concluded that crash rates among drivers between the ages of 16 and 18 were significantly higher in the city with the earlier start time. *Vorona et al. (2011)*

RESEARCH ON BENEFITS & CHALLENGES OF SCHOOL START TIMES



BENEFITS

Educational Performance

- Effects of a delayed high school start time on over 30,000 students across eight districts in seven different states. Pre-delay times ranged from 7:30 to 8:30 a.m. and post-delay times from 8:35 to 9:15 a.m. Found significant increase in the graduation rate (equal to a nine-percentage point increase, on average). *McKeever and Clark (2017)*
- Determined that starting school one hour later was associated with an increase in standardized test scores equal to 1.8 percentile points in mathematics and 1.0 percentile point in reading. The benefits of later start times were more pronounced among low-performing students, as the effects were twice as large for students who scored in the bottom third than for those who scored in the top third of test takers. *Edwards (2012)*

RESEARCH ON BENEFITS & CHALLENGES OF SCHOOL START TIMES



BENEFITS

Educational Performance (continued)

- Delayed high school start time of 8:30 a.m. or later on over 30,000 students across eight districts in seven different states and found that a delay in start time corresponded with a significant increase in attendance rates equal to four percentage points, on average, across schools. *McKeever and Clark (2017)*
- Determined that starting school one hour later was associated with an increase in standardized test scores equal to 1.8 percentile points in mathematics and 1.0 percentile point in reading. The benefits of later start times were more pronounced among low-performing students, as the effects were twice as large for students who scored in the bottom third than for those who scored in the top third of test takers. *Edwards (2012)*

RESEARCH ON BENEFITS & CHALLENGES OF SCHOOL START TIMES



BENEFITS

Transportation

- Full Utilization of Fleet & Drivers
 - Less Driver Downtime
- Shortened Ride times
 - 120 minutes to 40 minutes
- Reduction of approximately 40 contracts (@\$16.5k/annually)
- Later a.m. pick up times
 - @7:00 a.m. from 5:30 a.m.
- Later High School Start Time
 - Research Based Benefits
 - Evidence of Decreased Absenteeism
 - ✓ Accreditation Benefit
- Middle School Start Time not Impacted
- Activity Bus Efficiencies

RESEARCH ON BENEFITS & CHALLENGES OF SCHOOL START TIMES



CHALLENGES

Elementary Start Times

- Concern of early morning darkness and safety
- Impact of earlier start time on educational performance

Before & After Care

- Older siblings being home for younger children after school
- Longer time in after school care

RESEARCH ON BENEFITS & CHALLENGES OF SCHOOL START TIMES



CHALLENGES

High School & Middle School Athletics

- Practice/Game Start and End Times
- Lighting on existing fields
- Transportation

COMMUNITY STEERING COMMITTEE RECOMMENDATIONS



1. Change of School Start Times should be explored
2. Prepare a Community Survey
 - Develop an effective communications plan
 - Survey must reach parents, school staff, and students
 - Prepare a Fact Sheet to present with Survey
3. Conduct Community Meetings
 - Develop an effective communications plan
 - Select sites and times for optimal participation
4. Present a timeline for implementation in 2019/20 or 2020/21

LAKE TAYLOR K8 CONVERSION



Recommendation

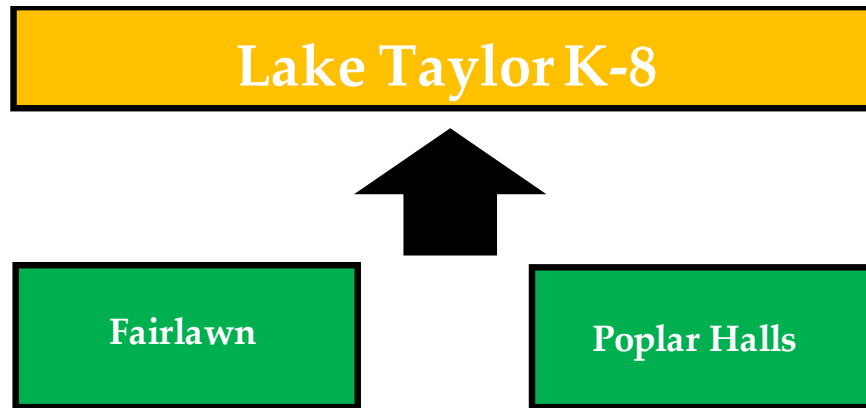
The Norfolk School Board consider the consolidation of Poplar Halls and Fairlawn Elementary Schools into the current Lake Taylor Middle School and convert to a Kindergarten through 8th grade facility.

The Norfolk School Board mandate a 30% capacity at South Side Stem at Campostella for choice seats, leaving 70% capacity available for students in the boundary.

As a result of consolidation, Fairlawn will be used as Pre-Kindergarten Center and discontinue use of Easton.



FEEDER PATTERN



SY2017-18

- Campostella, St. Helena, Poplar Halls, Fairlawn and Ingleside previously had students attend Lake Taylor MS

SY2018-19

- Southside Stem Academy @ Campostella now has grades K thru 8
- St. Helena students now attend Blair MS

Propose

- Students from other elementary schools currently feeding Lake Taylor MS, will be reassigned according to proposed feeder pattern realignment in Long Range Facilities Master Plan
- The Poplar Halls/Fairlawn K-5 attendance zone would make up the boundary for the proposed Lake Taylor K-8

ENROLLMENT/UTILIZATION



	Building Capacity	Portable Capacity	Total
Elementary	529		529
Middle	368	92	460
Total	897	92	989

- Estimate approximately 900 K-8 students (Fall 2019)
- All current 6th and 7th grade Lake Taylor MS students can continue attending Lake Taylor MS
- Estimated 2021-22 enrollment is 800 students

FACILITY CONDITION



School	Facility Condition Index	Capital Renewal Costs	Capital Renewal + Educational Renovations
Fairlawn ES	65%	\$7,250,000	\$9,060,000
Poplar Halls ES	73%	\$6,540,000	\$8,175,000
Lake Taylor MS	68%	\$18,500,000	\$23,100,000

LAKE TAYLOR – DRAFT RENOVATIONS



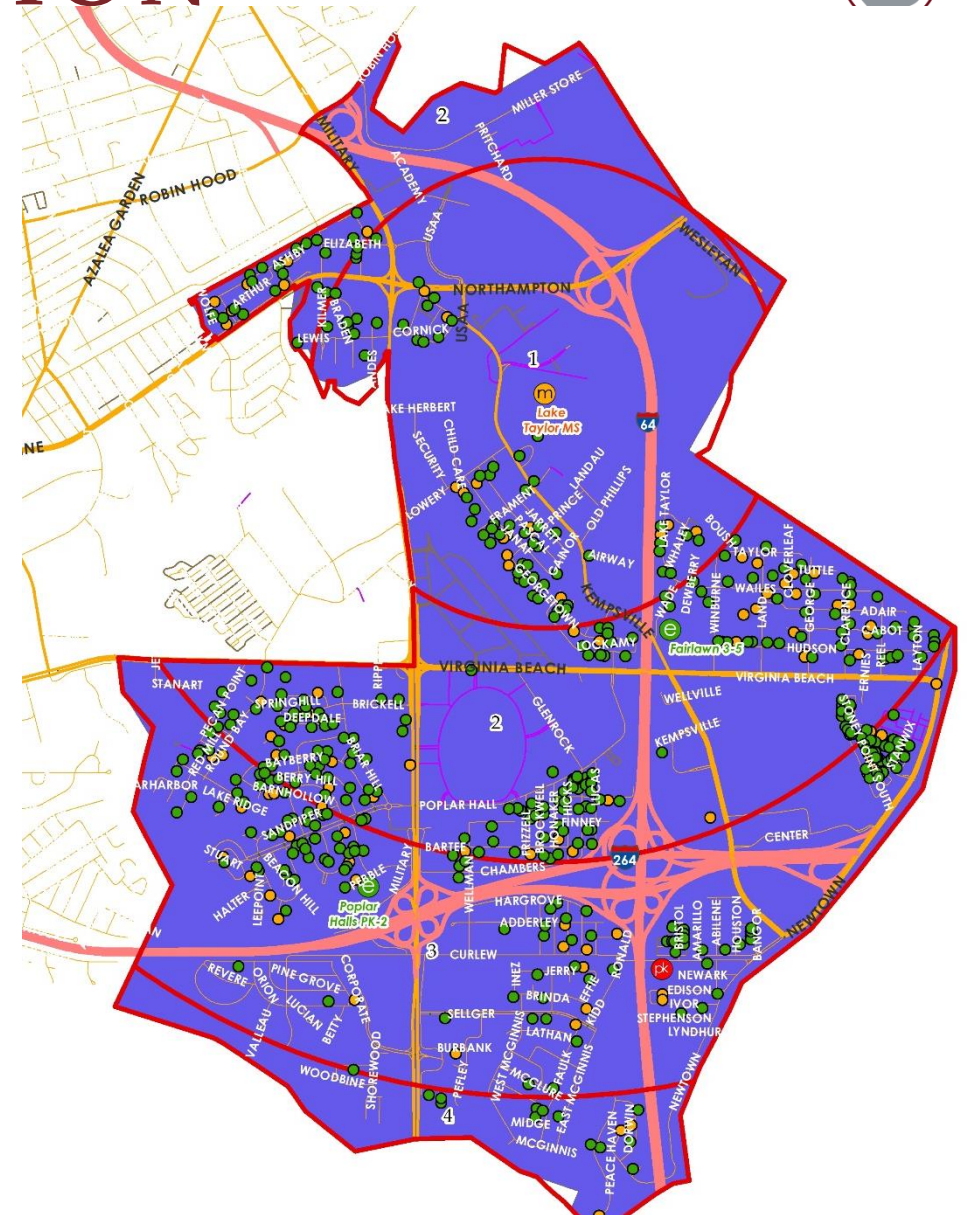
- Convert 101A from Resource to Classroom
- Convert 103 from Art room to Sci Lab
- Convert 103A from storage to Sci Prep
- Convert 104 (classroom) and X171 (Storage, Old Home Ec.) to Sci Lab
- Convert 115 from storage to Resource
- Convert 117 & 118 (Comp Labs) to Low Incident SPED rooms (Major Reno needed)
- Convert 119 (Resource) to OT/PT
- Convert 123A & 123B from Low Incident SPED to Comp Lab
- Convert 124A, 124B, and 124C to Art
- Convert 125A, 125B, and 125C to Art



TRANSPORTATION



- Currently most students receive bus transportation to Lake Taylor MS
- As a K-8, majority of students would be transported to Lake Taylor facility
- School Start Time Must be Addressed before this can be Implemented



	1 Mile	2 Mile	3 Mile	4 Mile
K-5	89	311	204	14
6-8	35	119	85	7

CURRENT AVAILABLE CAPACITY AT SOUTH SIDE STEM AT CAMPOSTELLA



	kg	Gd 1	Gd 2	Gd 3	Gd 4	Gd 5	Gd 6	Gd 7	Gd 8
Design Capacity	114	114	114	114	120	120	100	100	100
Enrollment									
SY2017-18	123	118	105	126	111	115	98	91	--
SY2018-19	100	98	112	111	109	98	94	93	82
SY2019-20 Est.	80	74	92	100	96	102	77	75	83
SY2020-21 Est.	78	77	68	85	94	92	99	73	71
Available Seats									
SY2018-19	14	16	2	3	11	22	6	7	18
SY2019-20 Est.	34	40	22	14	24	18	23	25	18
SY2020-21 Est.	36	37	46	29	26	28	1	27	29

ADDITIONAL OPTIONS TO CONSIDER

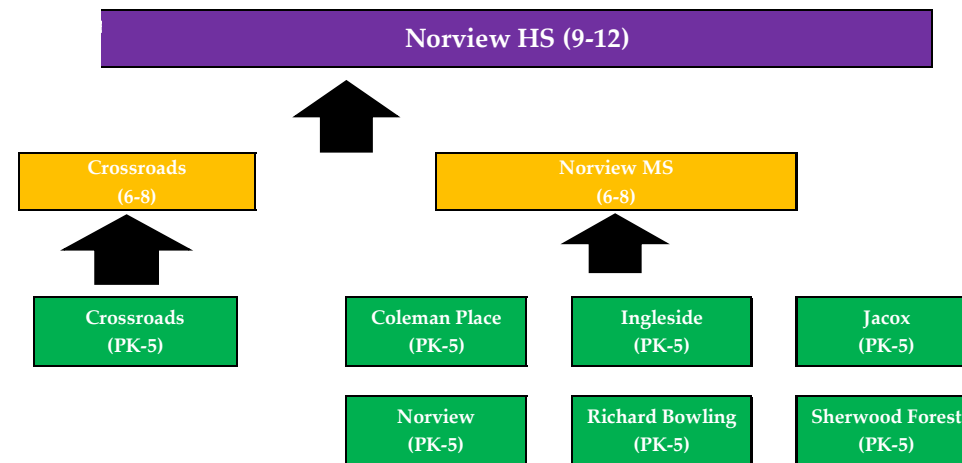
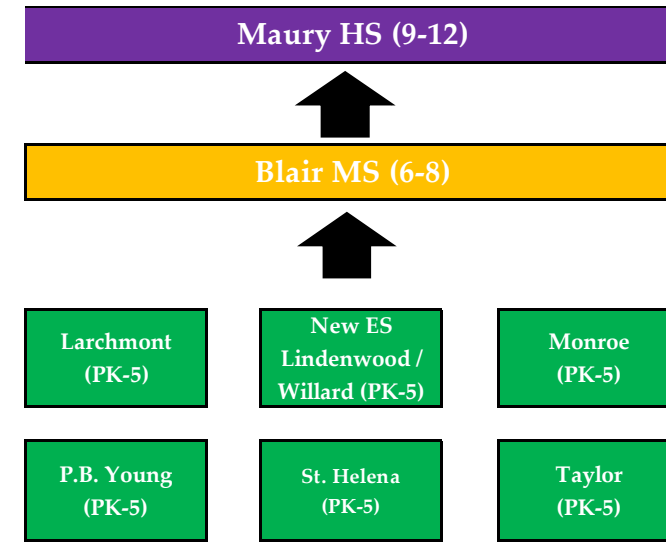
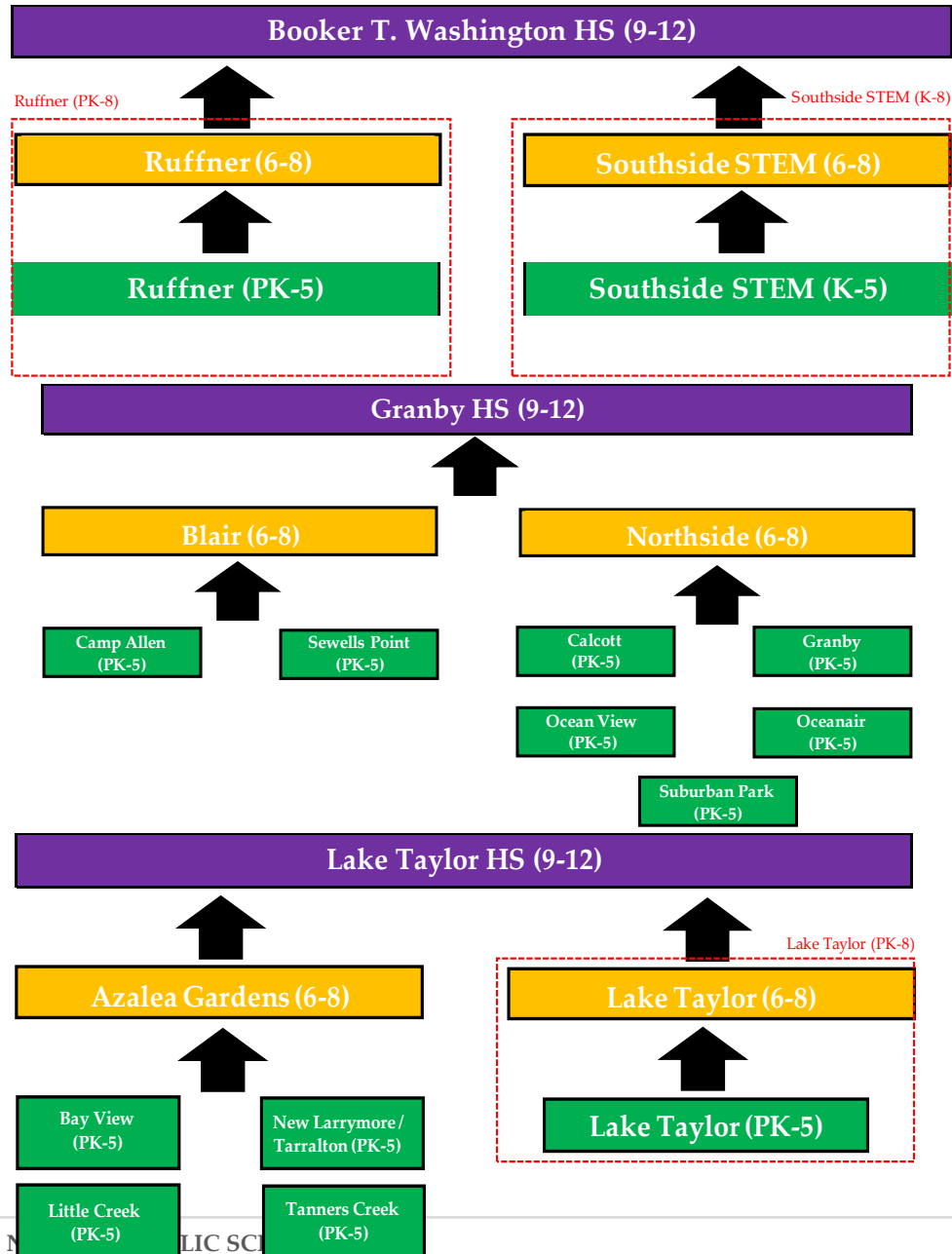


- Close Lake Taylor MS facility
 - Move 6-8 students to Ruffner
 - Leave Poplar Halls and Fairlawn open
- Lake Taylor as an elementary school with students from Ingleside, Poplar Halls, and Fairlawn.
 - 6-8 students would attend Ruffner.
 - Would require some elementary rezoning for all students to fit in Lake Taylor

DIRECT FEEDER PATTERN INITIATIVES

Elementary Boundary	Middle School Feeder							High School Feeder					# Middle School Feeders	# High School Feeders	
	Azalea Gardens Middle School	Blair Middle School	Crossroads K-8	Lake Taylor Middle School	Northside Middle School	Norview Middle School	Ruffner Academy	Southside STEM Academy	Booker T Washington	Granby HS	Lake Taylor HS	Maury HS			Norview HS
Bay View Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	1	1
Calcott Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1	1
Camp Allen Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	41%	0%	59%	0%	1	2
Chesterfield Academy	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	1	1
Coleman Place Elementary School	32%	0%	0%	18%	0%	46%	4%	0%	64%	0%	0%	32%	4%	4	3
Crossroads Elementary School	0%	0%	100%	0%	0%	0%	0%	0%	0%	28%	0%	0%	72%	1	2
Fairlawn Elementary School	0%	0%	0%	100%	0%	0%	0%	0%	53%	0%	47%	0%	0%	1	2
Granby Elementary School	0%	83%	0%	0%	17%	0%	0%	0%	0%	75%	0%	25%	0%	2	2
Ingleside Elementary School	0%	0%	0%	100%	0%	0%	0%	0%	62%	0%	38%	0%	0%	1	2
Jacox Elementary School	0%	34%	0%	0%	0%	0%	66%	0%	49%	51%	0%	0%	0%	2	2
Larchmont Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	1
Larrymore Elementary School	65%	0%	0%	0%	0%	35%	0%	0%	0%	0%	47%	0%	53%	2	2
Lindenwood Elementary School	44%	29%	0%	0%	0%	27%	0%	0%	0%	47%	0%	53%	0%	3	2
Little Creek Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1	1
Monroe Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	29%	0%	71%	0%	1	2
Norview Elementary School	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	1	1
Ocean View Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1	1
Oceanair Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	64%	0%	0%	36%	1	2
PB Young, Sr. Elementary School	0%	20%	0%	0%	0%	0%	80%	0%	80%	20%	0%	0%	0%	2	2
Poplar Halls Elementary School	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1	1
Richard Bowling Elementary School	0%	0%	0%	0%	0%	0%	100%	0%	49%	0%	10%	0%	41%	1	3
Sewells Point Elementary	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	1
Sherwood Forest Elementary	0%	0%	0%	10%	0%	90%	0%	0%	66%	0%	0%	0%	34%	2	2
Southside STEM Academy	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	1	1
St. Helena Elementary School	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1	1
Suburban Park Elementary School	0%	3%	0%	0%	97%	0%	0%	0%	0%	100%	0%	0%	0%	2	1
Tanners Creek Elementary School	29%	0%	0%	0%	0%	71%	0%	0%	0%	0%	30%	0%	70%	3	3
Tarrallton Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	0%	62%	1	2
Taylor Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1	1
Tidewater Park Elementary School	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	1	1
Willard Model School	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	66%	34%	1	2
Willoughby Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1	1

FEEDER PATTERN REALIGNMENT



DIRECT FEEDER PATTERN INITIATIVES RESULTS

Elementary Boundary	Middle School Feeder								High School Feeder					# Middle School Feeders
	Azalea Gardens MS	Blair MS	Campostella K-8	Lake Taylor 6-8	Northside MS	Norview MS	Ruffner K-8	Southside Stem Academy	Booker T Washington HS	Granby HS	Lake Taylor HS	Maury HS	Norview HS	
Bay View Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Calcott Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1
Camp Allen Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	1
Coleman Place Elementary School	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	1
Crossroads Elementary School	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	1
Granby Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	1
Ingleside Elementary School	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	1
Jacox Elementary School	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	1
Lake Taylor PK-8	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	1
Larchmont Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Larrymore Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1
Lindenwood Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Little Creek Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1
Monroe Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Norview Elementary School	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	1
Ocean View Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	1
Oceanair Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1
PB Young, Sr. Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	1
Richard Bowling Elementary School	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	1
Ruffner K-8	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	1
Sewells Point Elementary	0%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
Sherwood Forest Elementary	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	1
Southside Stem Academy	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	1
St. Helena Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1
Suburban Park Elementary School	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1
Tanners Creek Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Tarrallton Elementary School	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Taylor Elementary School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1
Willard Model School	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	1

COMMUNITY STEERING COMMITTEE

ROLES & RESPONSIBILITIES



- Regularly attend Task Force and Community Dialogue meetings with at least 50% meeting participation, throughout the school year.
- Participate in discussions/surveys (in-person or virtual) in order to provide feedback and/or input on facility issues within Norfolk Public Schools.
- Review and comment on materials produced as part of the study.
- Provide input and suggestions for final recommendations to the School Board.



QUESTIONS

