



Middle School Redistricting

November 10th, 2020

Lewisville Middle School - Completion July 2021



View from the entrance drive



School main entrance



Main lobby



Bus entrance road into the campus



Gym, locker rooms, band and classroom wings

Philo-Hill Magnet Program - Completion 2022

New State-of-the-Art Arts Magnet Program at Philo-Hill *offering*



Band



Dance



Theatre



Chorus



Orchestra



Visual Art

Hanes Magnet Middle School



Policy Code: Middle School Assignment

- **Policy Code: 5117 Assignment of Pupils Policy**

- E. Middle school students shall choose among three schools in their attendance zones.

- **AR 5117.2 Assignment of Pupils - Elementary & Middle Schools**

- III.1.d. Grandfathering Rules for Changed Student Residential Areas.

- (1) Students who will be fourth, fifth or eighth grade students and who would otherwise be assigned to a different residential area are eligible to remain at the school in which they attended during the previous school year.

- (2) Siblings of fourth, fifth and eighth grade students subject to the grandfathering rules in this section shall be allowed to choose and attend the school chosen by their siblings as allowed by this regulation.

- (4) The WS/FCS will provide transportation for those fifth and eighth grade students and their siblings choosing to remain at the school they attend during the previous school year rather than to attend the new school serving their attendance area. Transportation for these students and their siblings choosing to remain at a school they attended during the previous school year which is outside their new school's choice zone shall not exceed one (1) school year.

Zoning for 2020-2021

- **Northeast Zone**
 - Mineral Springs Middle School
 - Walkertown Middle School
 - **Northwest Zone**
 - Mineral Springs Middle School
 - Northwest Middle School
 - **Southeast Zone**
 - Hanes Middle School
 - Southeast Middle School
 - East Forsyth Middle School
 - **Southwest Green Zone**
 - Winston-Salem Preparatory Academy (students in the Philo-Hill presented boundary)
 - Flat Rock Middle School
 - Clemmons Middle School
- 

Zoning for 2020-2021

- **Southwest Blue**
 - Flat Rock Middle School
 - Clemmons Middle School
 - Meadowlark Middle School
 - **Midwest Zone**
 - Jefferson Middle School
 - Paisley Middle School
 - Wiley Middle School
 - **East Zone**
 - East Forsyth Middle School
 - Kernersville Middle School
 - Winston-Salem Preparatory Academy
- 

Current Choice Assignment Data

Northeast Zone

	Clemmons	East Forsyth	Flat Rock	Hanes	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
Hanes Magnet School	66	62	36	251	57	29	71	39	39	18	79	76	18	56	3	900	28%	72%
Mineral Springs	1	4		81	1		1	321	8	12	7		13	1		450	71%	29%
Walkertown		6		7		2		178	4	1	5	4	497	1	1	706	70%	30%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		

In Choice Zone

Residential Students

Current Choice Assignment Data

Northwest Zone

	Clemmons	East Forsyth	Flat Rock	Hanes	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
Hanes Magnet School	66	62	36	251	57	29	71	39	39	18	79	76	18	56	3	900	28%	72%
Mineral Springs	1	4		81	1		1	321	8	12	7		13	1		450	71%	29%
Northwest			1	391	1	2		7	505	6	1		1		3	918	55%	45%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		

 In Choice Zone

Residential Students

Current Choice Assignment Data

Southeast Zone

	Clemmons	East Forsyth	Flat Rock	Hanes	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
East Forsyth	1	430	3	4	1	35	1	2	1	2	230	35	10	1	55	811	53%	47%
Philo-Hill Magnet Academy	1	5	9	5				3		3	474	3	3	4	6	516	92%	8%
Southeast		129	4		1	12		1		1	305	631	8	1		1093	58%	42%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		

 In Choice Zone

Residential Students

Current Choice Assignment Data

Southwest Blue Zone

	Clemmons	East Forsyth	Flat Rock	Hanes	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
Clemmons	698	1	316	2	2	1	34			1	205			9		1269	55%	45%
Flat Rock	11		499	1	1			5		1	360			5		883	57%	43%
Meadowlark	263		9	3	21		817		35		1	1	2	33	1	1186	69%	31%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		

In Choice Zone

Residential Students

Current Choice Assignment Data

Southwest Green Zone

	Clemmons	East Forsyth	Flat Rock	Hanes	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
Clemmons	698	1	316	2	2	1	34			1	205			9		1269	55%	45%
Flat Rock	11		499	1	1			5		1	360			5		883	57%	43%
Philo-Hill Magnet Academy	1	5	9	5				3		3	474	3	3	4	6	516	92%	8%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		



In Choice Zone

Residential Students

Current Choice Assignment Data

Midwest Zone



	Clemmons	East Forsyth	Flat Rock	Hanes Magnet School	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
Jefferson	9	1	14	19	749	1	14	8	45	162	3		2	243	2	1272	59%	41%
Paisley	25	16	42	52	50	3	25	20	47	389	32	10	17	86	16	830	47%	53%
Wiley Magnet	6	12	35	18	8	3	6	12	17	56	48	5	7	496	8	737	67%	33%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		

 In Choice Zone
 Residential Students

Current Choice Assignment Data

East Zone

	Clemmons	East Forsyth	Flat Rock	Hanes	Jefferson	Kernersville	Meadowlark	Mineral Springs	Northwest	Paisley	Philo-Hill	Southeast	Walkertown	Wiley Magnet	Winston-Salem Prep	Total Attending	Percent residential	Percent not residential
East Forsyth	1	430	3	4	1	35	1	2	1	2	230	35	10	1	55	811	53%	47%
Kernersville	1	170	1	1	1	541		3	1		3	38	34		8	802	67%	33%
Winston-Salem Preparatory Academy	2	18	2	10	1			2		6	8		1	2	114	166	69%	31%
Total Residential	1097	881	1004	887	914	635	984	630	734	679	1858	820	630	966	237	12956		

 In Choice Zone
 Residential Students

Lewisville Middle School - Completion July 2021



View from the entrance drive



School main entrance



Main lobby



Bus entrance road into the campus



Gym, locker rooms, band and classroom wings

Assignment Changes

Lewisville Middle School

- Lewisville Middle School would enter the zone choice program in 2022-23.
- All students in grades 6-8 will be assigned to and expected to attend Lewisville Middle School for 2021-2022 with the exception of rising 8th grade students who opt to “stay-in-place” in accordance with their 2020-21 school assignment.



Philo-Hill Magnet Program - Completion 2022

New State-of-the-Art Arts Magnet Program at Philo-Hill *offering*



Band



Dance



Theatre



Chorus



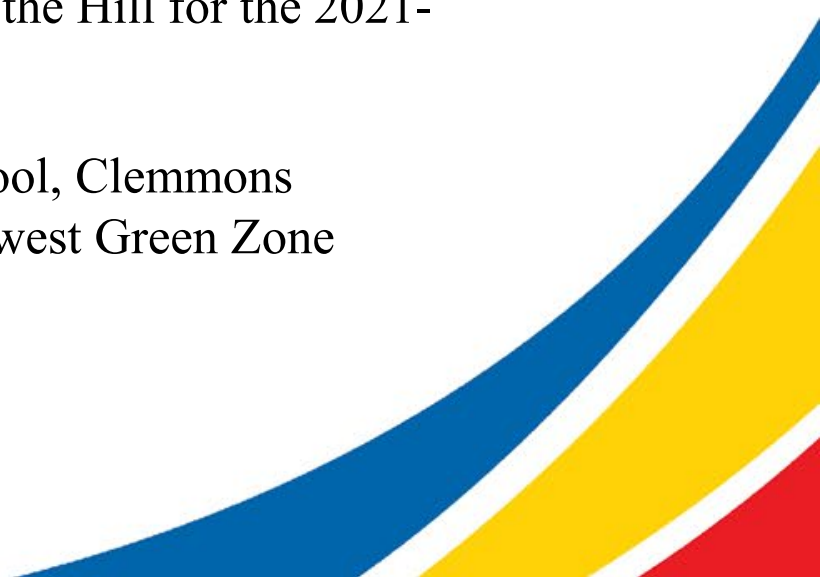
Orchestra



Visual Art

Assignment Changes

Philo-Hill Middle School

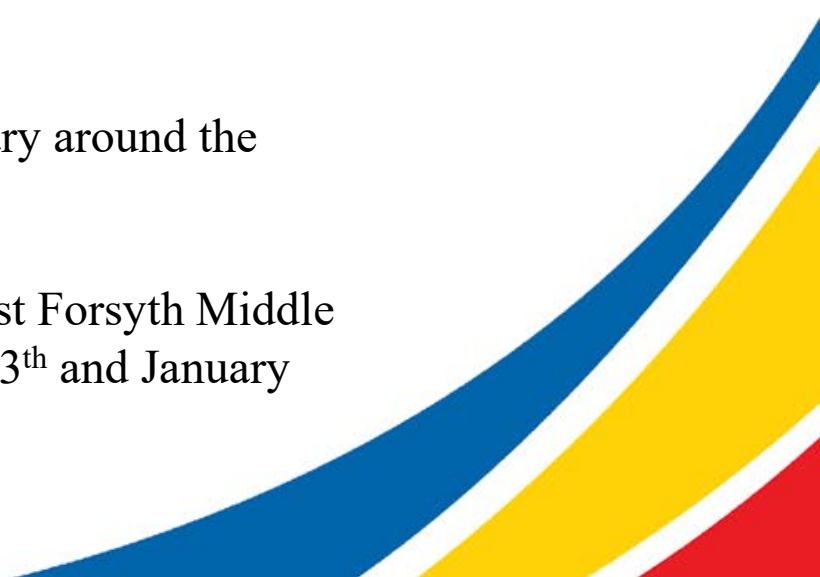
- School will close for the 2021-2022 school year
 - A newly constructed school will open in the same location as Philo Hill Middle School in 2022-2023
 - Arts Magnet with a residential zone and magnet population of students
 - Students currently attending and residential to the boundary presented will be assigned and expected to attend Winston-Salem Preparatory Academy and Hanes on the Hill for the 2021-2022 school year.
 - Students will have the option to choose between Flat Rock Middle School, Clemmons Middle School, and Winston-Salem Preparatory Academy in the Southwest Green Zone between December 13th and January 15th.
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Hanes Magnet Middle School



Assignment Changes

Hanes Middle School

- Students at Hanes in the STEM Magnet Program and HAG Program will remain assigned to Hanes.
 - All Hanes Middle School residential students in grades 6-8, currently attending Hanes Middle School, will be assigned and expected to attend Mineral Springs Middle beginning 2021-2022.
 - Students will have the option to stay at Hanes but will have to apply during the Magnet period between December 13th and January 15th. Students will also have the option of choosing Walkertown Middle School as their zone choice during the same December 13th to January 15th assignment period.
 - Starting with the 2021-2022 school year, Hanes will have a residential boundary around the school's current location at Hill Middle School site.
 - Students will have the option to choose between Southeast Middle School, East Forsyth Middle School, and Hanes Middle School in the Southeast Zone between December 13th and January 15th.
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Integrated Planning for School and Community (IPSAC)

Winston-Salem / Forsyth County Schools

**OPERATIONS RESEARCH AND EDUCATION LABORATORY
INSTITUTE FOR TRANSPORTATION RESEARCH AND EDUCATION
CENTENNIAL CAMPUS @ NORTH CAROLINA STATE UNIVERSITY
NOVEMBER 2020**



NC STATE UNIVERSITY



Operations Research and Education Laboratory (OREd)

Work Session – November 10th, 2020

Outline

- About ITRE and OREd
- Approach and Services
 - Land Use Study
 - Optimization
- Preliminary Attendance Zone Scenarios

About ITRE and OREd



The **Institute for Transportation Research and Education (ITRE)** conducts transportation research and provides professional training, education, and technical assistance.

About ITRE and OREd



OREd is an unbiased, third party evaluation research group that helps to depoliticize the school planning process.

OREd guides districts through data-driven solutions and policies using stakeholder **interviews, GIS analysis, mathematical modeling and applied decision science.**

www.itre.ncsu.edu/OREd



Approach and Services: IPSAC

Integrated Planning for School and Community (IPSAC)

- *Land Use Studies / GIS Analysis*
- *Enrollment Forecasts*
- *Out-of-Capacity Analysis*
- *Optimization*
 - *School Site Selection*
 - *Attendance Zones*
- *Community Engagement*

Approach and Services: Land Use Study

History: Looking to historic enrollment numbers and data from district and county

Local Knowledge: Looking to the future to understand the time, location and size of development patterns

Learning about the future through talking with key development actors

- County and Municipal Neighborhood Planning and Zoning Departments
- Transportation Engineers at the Local and State levels
- Water and Sewer Administrators
- Leaders in Economic Development and Business Leaders





Student Assignment Priorities

Typical assignment priorities:

- Balancing utilization
- Maximizing student proximity to schools
- Demographic balancing
- Maintaining feeder patterns
- Respecting neighborhoods
- Minimizing reassignment impact
- Facility age, condition, and security
- Access to programs
- Financial impact
- Mindfulness of family input
- Busing efficiency and logistics

Top Four Priorities Selected

- Maximizing student proximity to schools
- Balancing utilization
- Respecting neighborhoods
- Maintaining feeder patterns

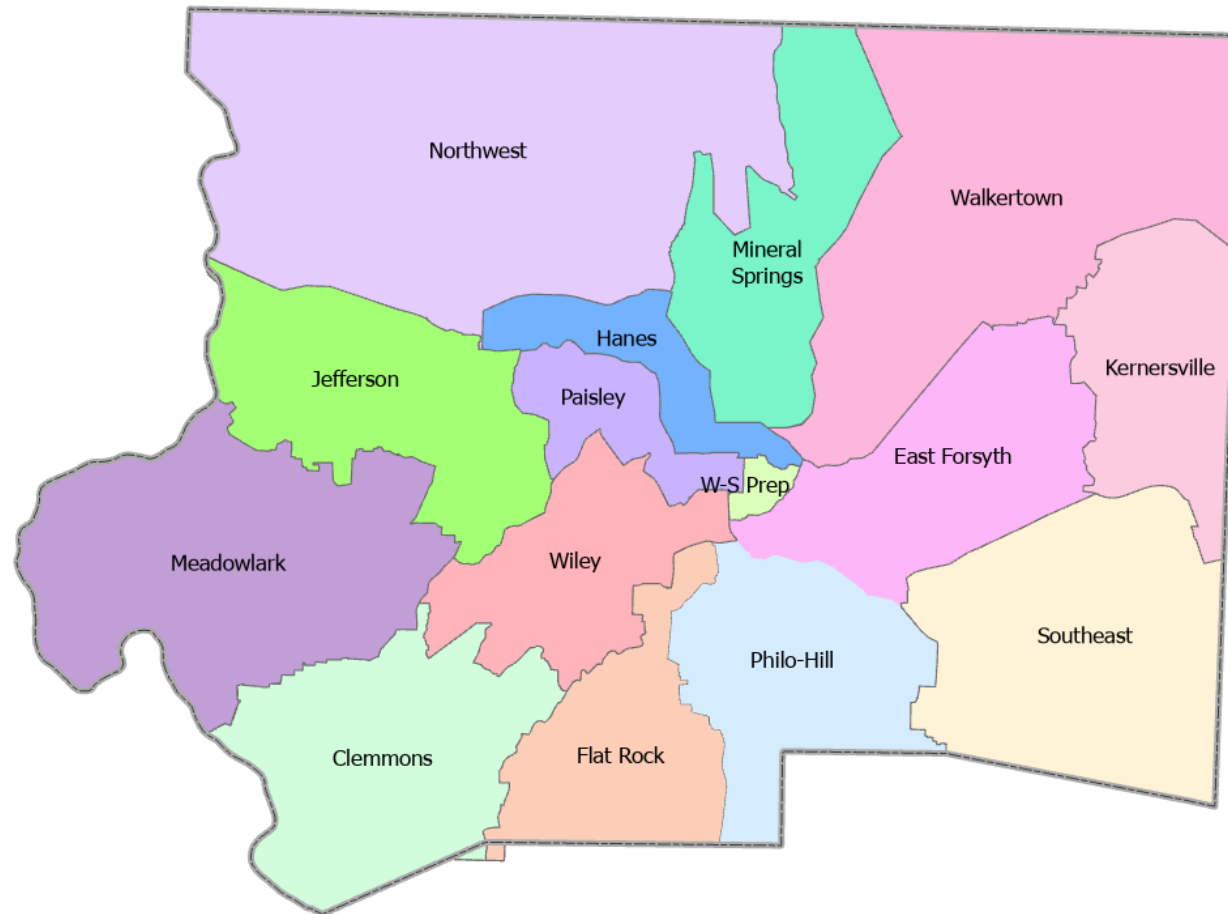


Approach and Services: Optimization

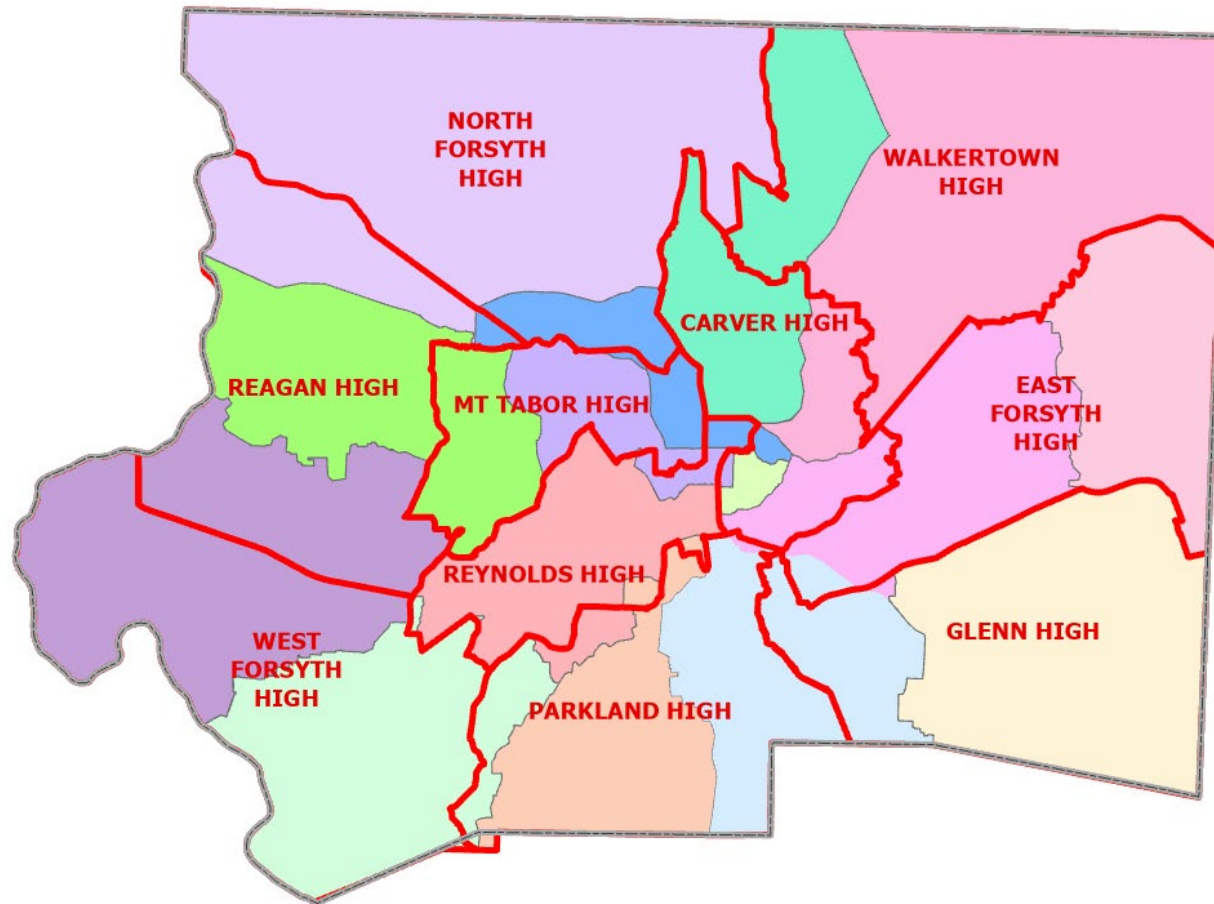
- Optimal school site and attendance zone scenarios are generated using Operations Research optimization algorithms.
- Model parameters such as building capacity and demographic balance indices may be adjusted to meet specific Board policy-defined criteria.



Current Middle School Residential Boundaries



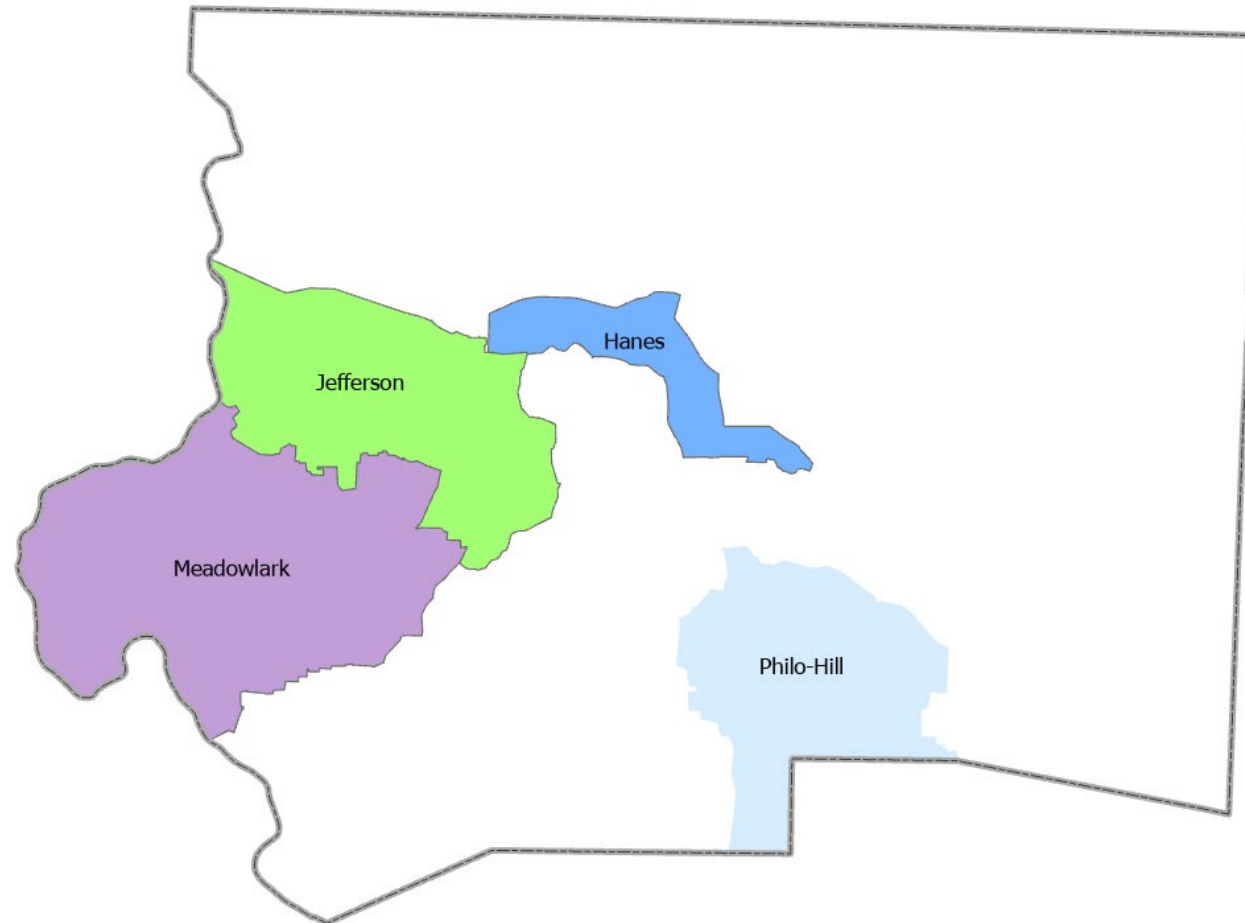
Current Middle School Residential Boundaries With High School Lines



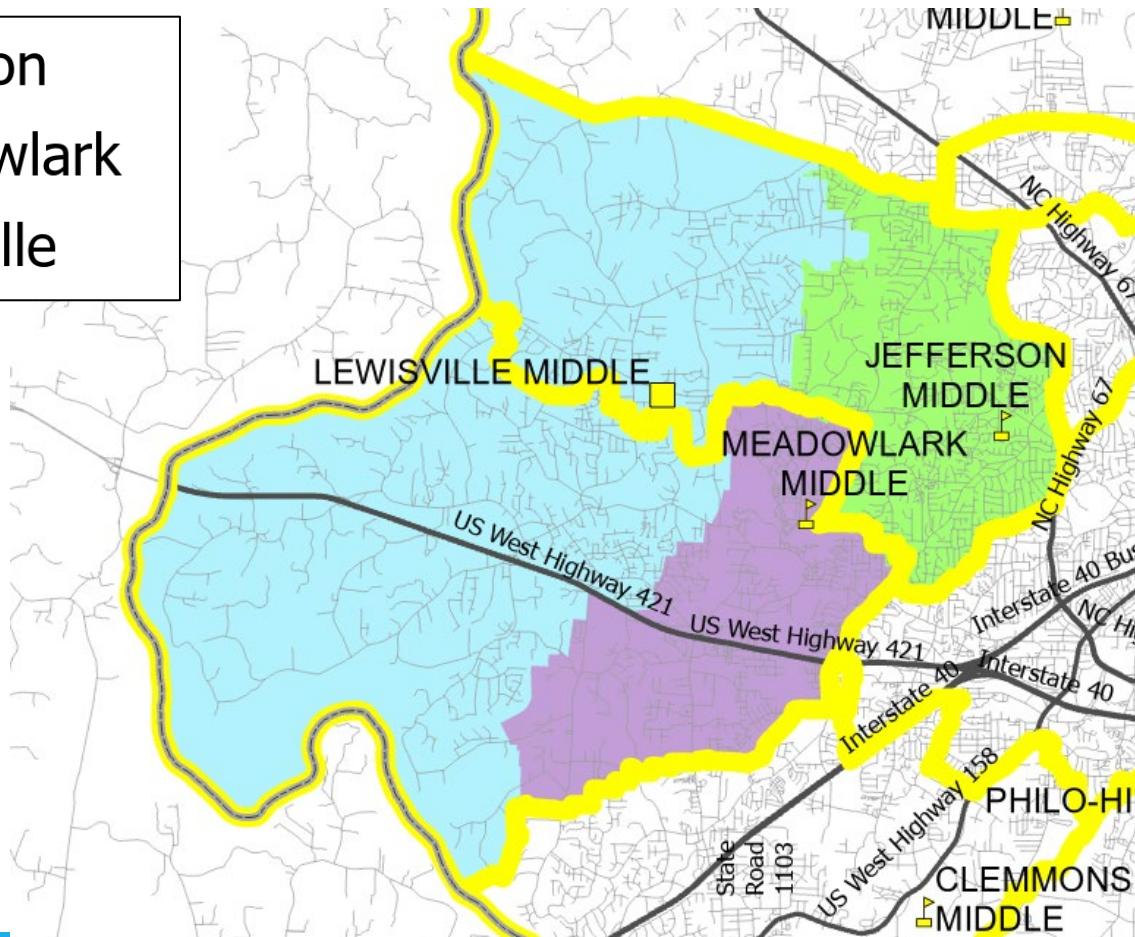
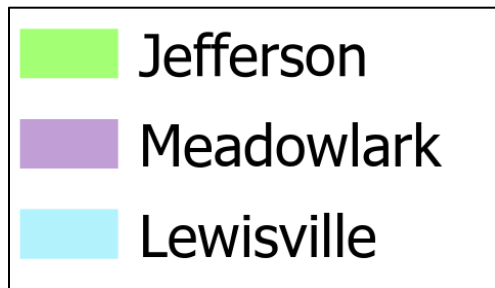


Current Middle School Residential Boundaries

Schools to be Affected

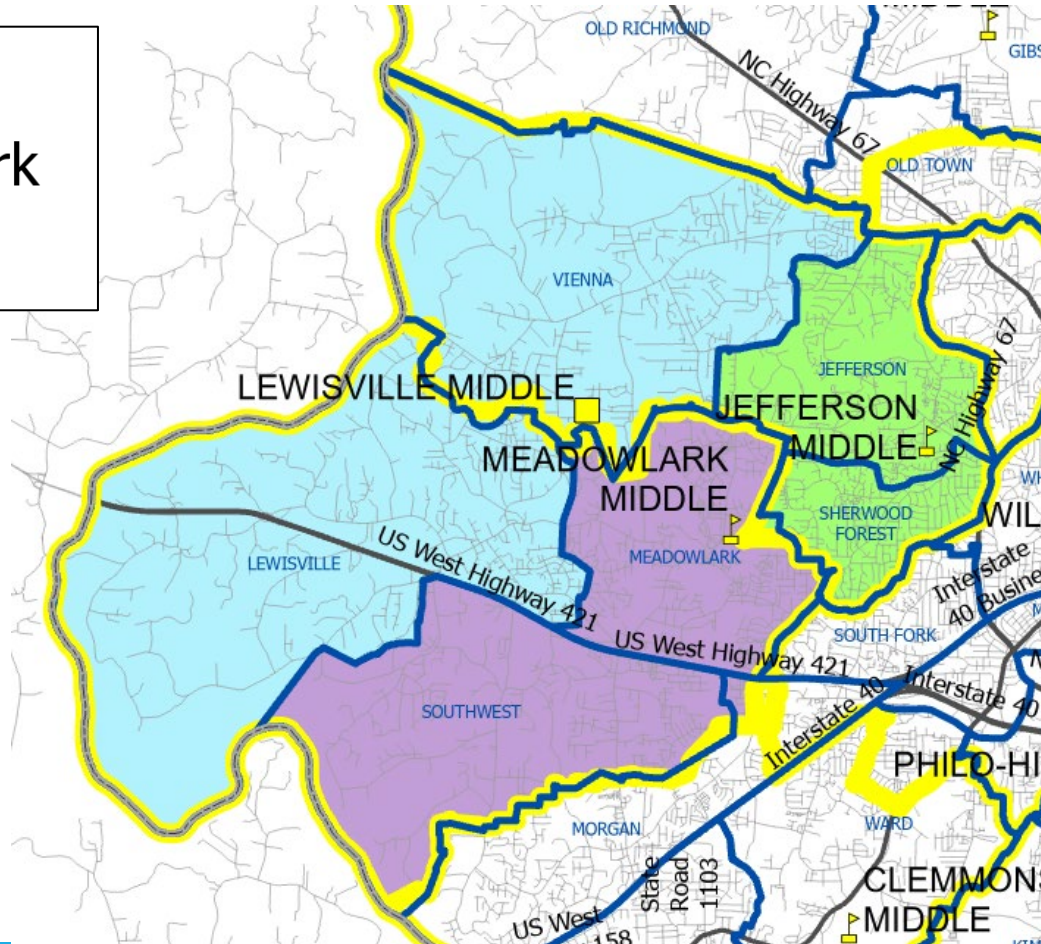
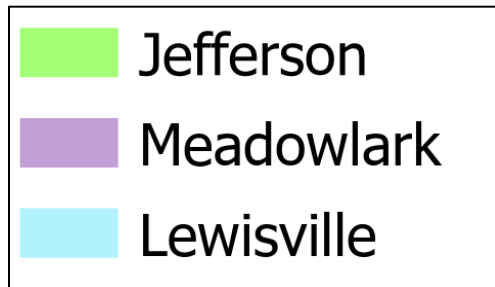


Preliminary Residential Boundary Scenario: Lewisville Middle School- Option 1



- Achieves District Goals:
- Balancing utilization
 - Maximizing student proximity to schools
 - Respecting neighborhoods

Preliminary Residential Boundary Scenario: Lewisville Middle School- Option 2



- Achieves District Goals:
- Clean ES to MS feeder patterns
 - Maximizing student proximity to schools
 - Respecting neighborhoods



Preliminary Residential Boundary Scenario: Lewisville Middle School- Demographics

	Minority Percentage (by Residential Boundary)		
	Jefferson	Meadowlark	Lewisville
Current	34%	30%	N/A
Option 1	39%	35%	26%
Option 2	33%	35%	29%



Preliminary Residential Boundary Scenario: Lewisville Middle School- Demographics

	Minority Percentage (Students Attending)		
	Jefferson	Meadowlark	Lewisville
Current	48%	33%	N/A
Option 1	53%	37%	25%
Option 2	54%	37%	25%



Lewisville Middle School- Demographic Balancing

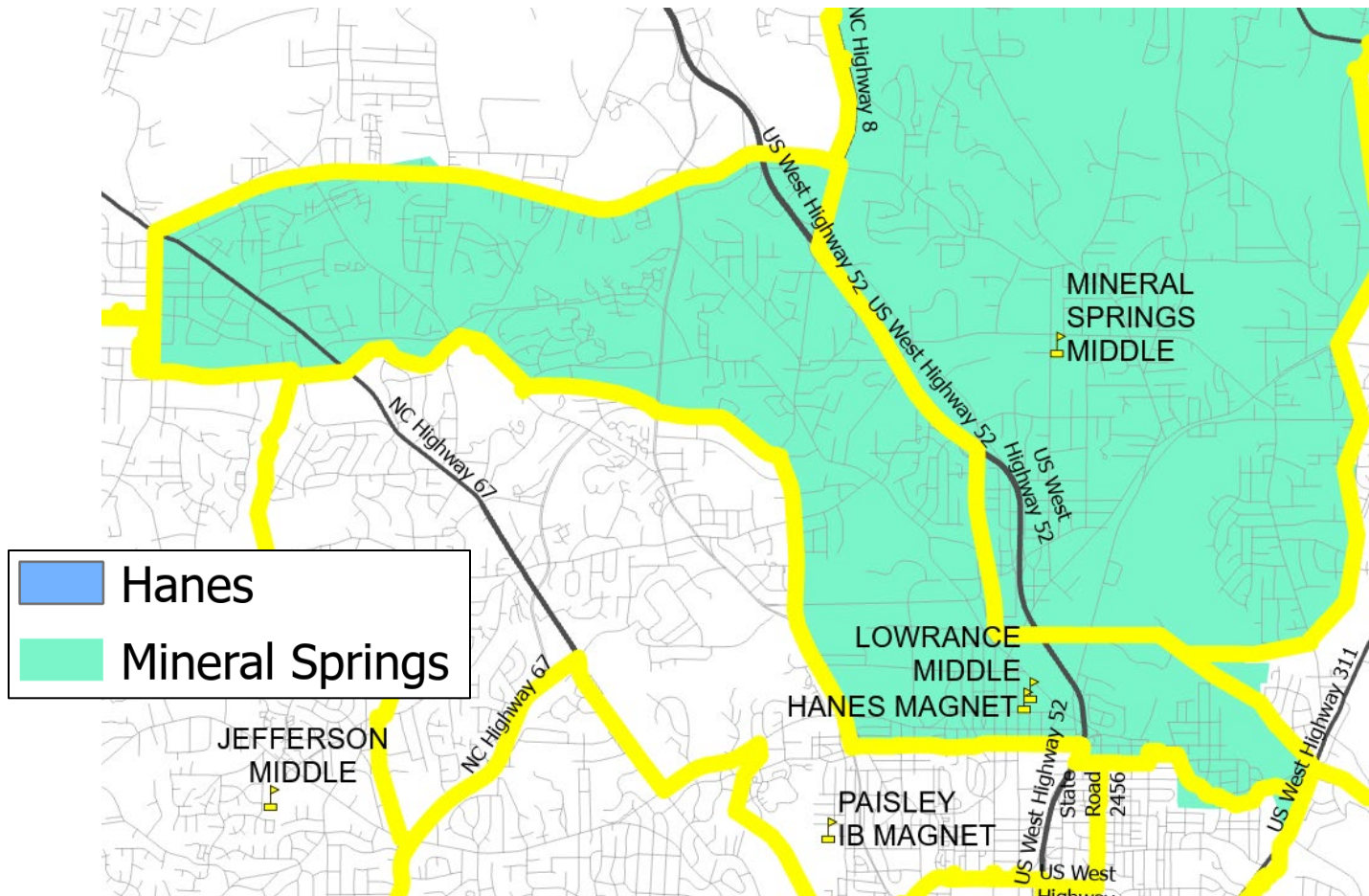
Data Required:

- 1) Free and reduced lunch data (by student), or
- 2) End of grade test proficiency data (by student)

Geographic Challenges:

Balancing student populations among schools often requires significant satelliting of school residential boundaries. Resulting boundaries are rarely contiguous.

Preliminary Residential Boundary Scenario: Hanes Residential



Summary:

- Sends Hanes residential students to Mineral Springs

Achieves District Goals:

- Minimizing student travel distance
- Respecting neighborhoods

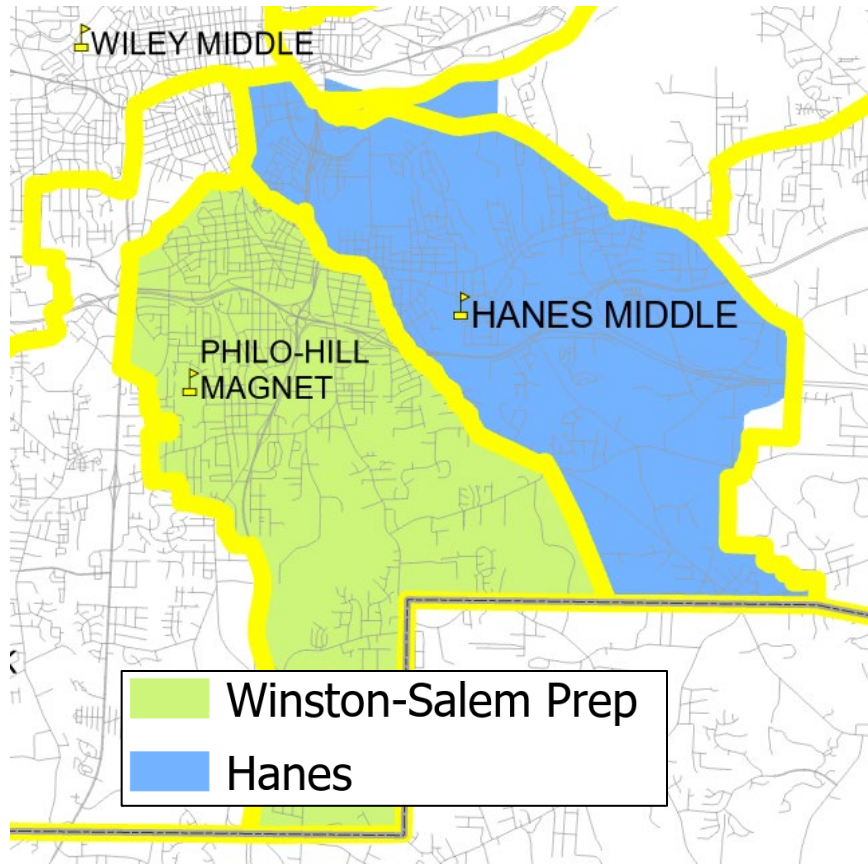


Preliminary Residential Boundary Scenario: Hanes Residential- Demographics

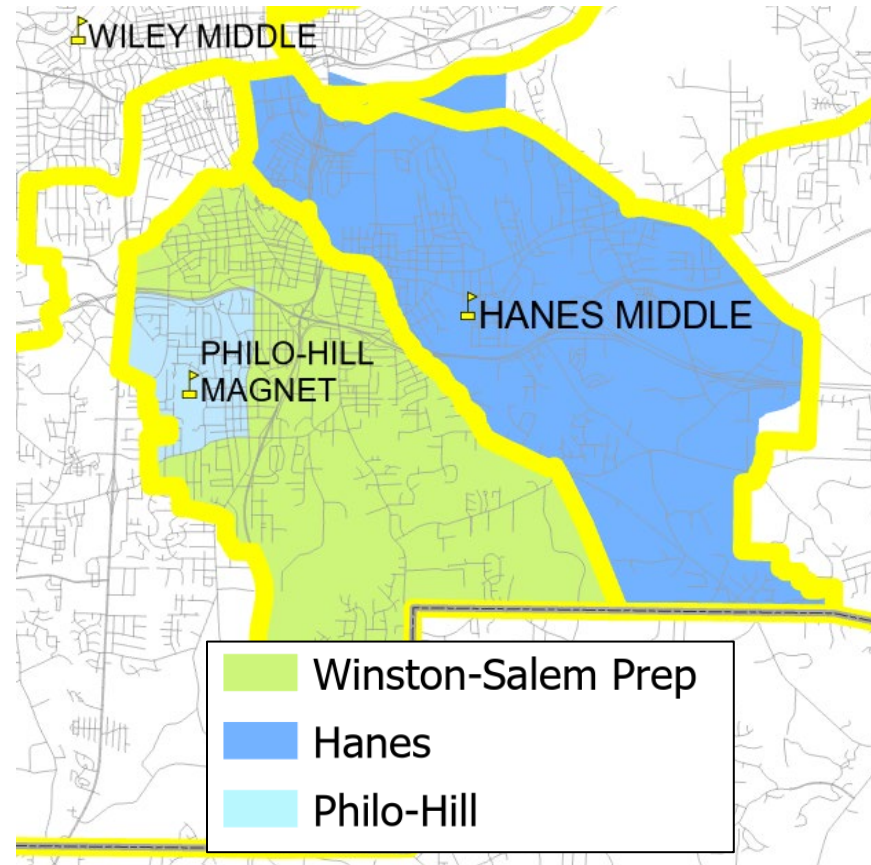
	Minority Percentage (Students Attending)	
	Hanes	Mineral Springs
Current	59%	96%
Proposed	46%*	96%

* Assumes no additional changes, such as creating a new Hanes residential boundary.
(See next slide)

Preliminary Residential Boundary Scenario: Philo-Hill Temporary Closure in 2021-22



School Year 2021-22



School Year 2022-23



Preliminary Residential Boundary Scenario: Philo-Hill Temporary Closure in 2021-22- Demographics

	Minority Percentage (Students Attending)		
	WSP	Hanes	Philo-Hill
Current	99%	59%	93%
Proposed 2021-22	94%	59%	N/A
Proposed 2022-23	97%	59%	TBD



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Middle School Redistricting Timeline

Date	Action
November 10	Board Work Session Meeting to approve community meetings
November 17	Full Board Meeting
November 30	Community Meeting for Lewisville Middle School in the Reagan HS auditorium
December 1	Community Meeting for Hanes Middle School in the North Forsyth auditorium
December 2	Community Meeting for Philo-Hill Middle School in the Parkland High School auditorium
December 8	8 AM to 4 PM - Meeting with Choice Committee, Board Attorney, Executive Cabinet, and OREd to access community feedback
December 15	Full Board Meeting - presentation with recommendation from the community meetings
January 12 (tentative date)	Board of Education Work Session Meeting - with call to action
February - April	High School Feeder pattern adjustments for 2022-2023
July 2021	Lewisville Middle School Construction Completion Date
July 2022	Philo-Hill Middle School Construction Completion Date

Format of the Community Meetings


- Community Meeting Format
 - In person meeting at 10:00 AM and 4:00 PM
 - Virtual meeting at 6:00 PM
 - Recorded presentation posted on our website with feedback form




Choice Process Timeline

Date	Action
December 5	Schools Showcase
December 8	8 AM to 4 PM - Meeting with Choice Committee, Board Attorney, Executive Cabinet, and OREd to access community feedback
December 13	Magnet and Choice application period begins
January 15	Magnet and Choice application period ends

Middle School Redistricting Staffing Plan

- AR 4115 – Opening of New Schools
 - Superintendent may request and approve voluntary transfers of “core staff” for middle schools including:
 - Assistant Principal or Guidance Counselor
 - Lead Secretary or Data Manager
 - Media Coordinator
 - Athletic Director
 - Up to six classroom teachers
- 

Middle School Redistricting Staffing Plan

- Policy 4115 – Assignment, Transfer and Promotion of Personnel
 - Involuntary transfers (staff in need of assignments) will be placed first
 - Voluntary transfers will then be considered
 - New teachers will be recruited and placed
- 

Middle School Redistricting Staffing Plan

Date	Action	School(s)	Funding Source
November 2020	Principal selection process	Lewisville MS	N/A
December 2020	Seek Board approval of principal	Lewisville MS	N/A
January 2021	Principal starts position	Lewisville MS	Local until March then State
February 2021	Core team selection process	Lewisville MS	N/A
March 2021	Core team begins work while maintaining other role	Lewisville MS	Local stipend to work after hours, weekends, & summer
March 2021	School allotments provided	All Schools	N/A
April 2021	Begin placement of staff in need of assignments	All Schools	N/A
May 2021	Begin hiring for remaining vacancies	Lewisville	N/A
June 2021	Voluntary transfers deadline	All Schools	N/A
August 2021	Schools open	All Schools	N/A

Additional Recommendations in the works

- Additional recommendations that will be presented to the Board of Education and Choice Committee in January and February
 - Middle to high school feeder pattern recommendations
 - Results of the Student Assignment Community Survey conducted by Forsyth Futures.
 - Magnet programming recommendations provided by Cooperative Strategies
 - New Middle School in the Southeastern part of Forsyth County



Questions

