Moore County Schools

MULTI-YEAR STUDENT ASSIGNMENT PLAN – DRAFT 1

APRIL 1, 2019

LAURA EVANS AND MICHAEL MILLER, NUMERIX LLC

Overview

- Guiding Principles

- Process

- Desired Outcomes for the Student Assignment Plan

- General Comments from the Advisory Committee meeting

- Draft 1: Data Tables and Maps

- Planning Timeline

- Addendum

Guiding Principles

BALANCE

To the extent possible, the assignment proposal should provide balance in: building utilization, program opportunities, and student demographic factors.

PLANNING

To the extent possible, the assignment proposal should utilize up-to-date school and planning data to provide a stable assignment plan that is forward-looking and responsive to community and student needs.

EFFICIENCY

To the extent possible, the assignment proposal should seek to optimize operational efficiency.

COMMUNITY

To the extent possible, the assignment proposal process should promote transparency and be sensitive to the needs of our families, communities and the district.

Process

- Data
  - **Student data – MCS student geocodes for 2015-16 through 2018-19.** Geocodes carry student information such as address of domicile, attended school, grade and proficiency indicator.
  - **GIS data – MCS geo-database.** The geo-database is the platform for exploring attendance area scenarios. The geo-database contains school and student data including base elementary/middle/high school attendance areas, student counts, forecasted student counts and proficiency metrics.

Process: Advisory Committee

• Membership includes district staff, consultants, principal, teacher and parent from each school in county except high schools and Pinckney Academy. One team represents both Aberdeen and Southern Pines primary and elementary schools since they will be consolidated.

 • Sub-committees for each feeder area are chaired by respective high school principal.

• Committee will participate in development of each of the three drafts of the plan.

Process

- Creating Attendance Areas
  - An "scenario" is a data table plus map summarizing attributes of the proposed attendance areas.
  - The scenario review process is **iterative:**
    - Data tables and maps are reviewed to align with Guiding Principles
    - Suggested changes are compiled by MCS staff and forwarded to Numerix
    - Edits are performed or new scenarios are generated

Draft 1

Draft 2

Draft 3

Generation of preliminary analyses

Numerix review

Numerix editing

MCS staff review

Advisory Committee / Community review
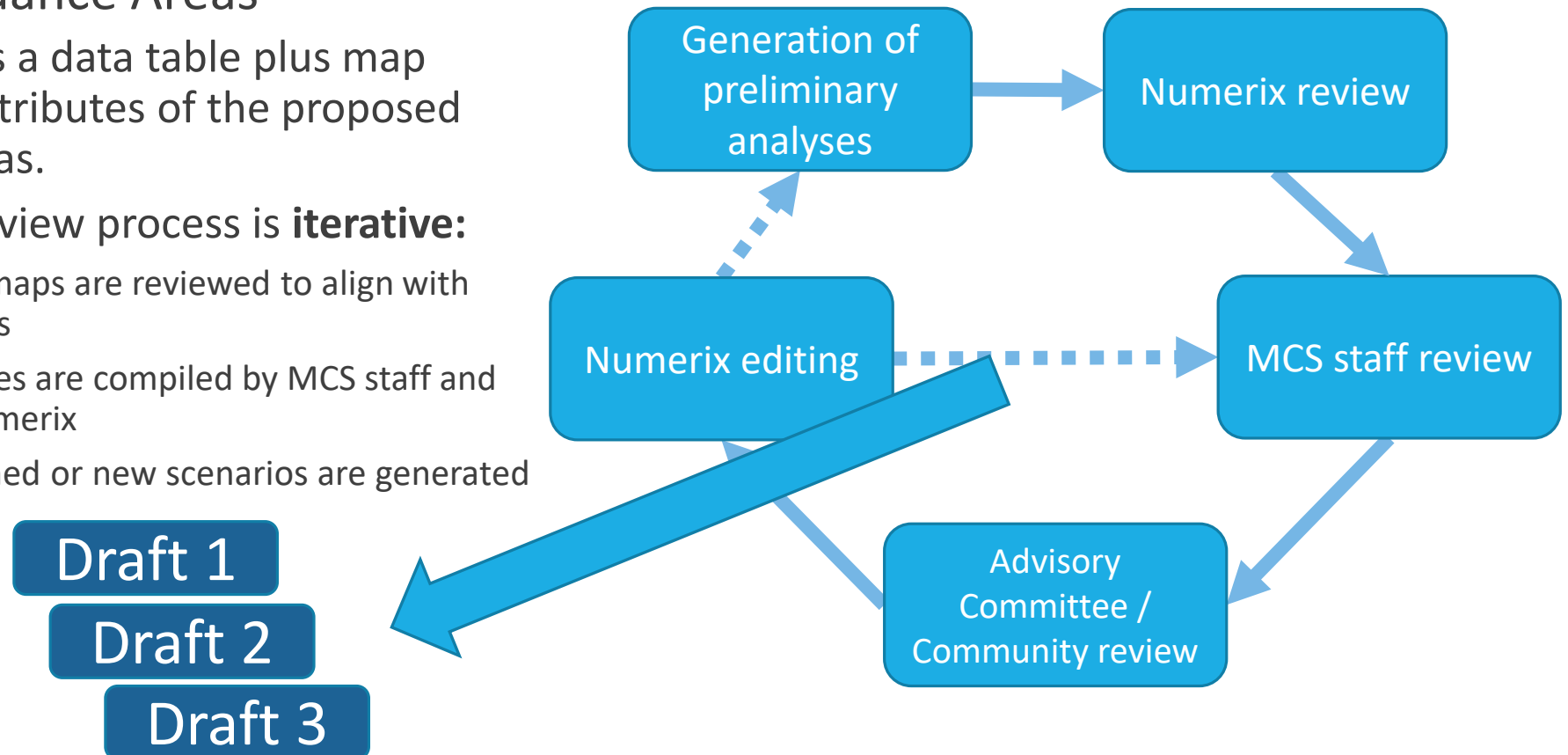
Process

- Guiding Principles are primary factors in shaping attendance area scenarios:
  - **Impact Area** – Scenarios are holistic; they can potentially impact all schools.
  - **Future Schools** – Scenarios include impacts from the planned opening of three schools.
  - **Utilization** – Scenarios attempt to balance utilization among impacted schools.
  - **Transportation** – Scenarios attempt to address obvious transportation/accessibility issues.
  - **Proximity** – Scenarios attempt to assign students to the closest school.
  - **Proficiency** – Academic proficiency will be reported for all scenarios: EOG ELA and Math for grades 3-8 over school years 2015-16 through 2017-18.

- Scenarios are a starting point for the exploration and analysis of potential attendance areas and subject to revision at the request of MCS staff and Board of Education.

Desired Outcomes for the Student Assignment Plan

- Develop assignment plans for three Elementary Schools opening 2020-21 and 2021-22

- Resolve unfinished business from 2019-20 Area I assignment plan

- Address, to the extent possible, utilization issues among elementary and middle schools

- Balance, to the extent possible, demographics among elementary and middle schools

General Comments from the Advisory Committee Meeting

- Consider expanding the lines for Area II (North Moore HS) to accommodate feeder patterns and improve utilization

- Consider combining elements of preliminary utilization-driven and stability-driven analyses

- Concern about increased bus travel time resulting from balancing utilization

- Concern around the potential need for additional buses and drivers and the inability to meet that need

- Utilization and demographic balance concerns around the Pinehurst, West End, West Pine area

- Desire to see greater balance of demographics and proficiency across the district

- Concern about the predicted growth at Vass-Lakeview; Cameron may be used to alleviate expected crowding

- Suggestions for improving map presentation

A Note on Data Tables

Summary data is presented in tables with values corresponding to the proposed base attendance areas.

This example shows summary statistics for the 2019-20 ES base attendance areas.

Full data tables are included in the addendum.

Current 2019-20	Minority % 2019-20	Month-2 ADM 2017-18	Month-2 ADM 2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	2017-18	Prof - ELA 2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
Aberdeen PS/ES	71%	621	599	667	602	90%	-3	613	606	630	659	-8	725	83%	725	76%	**800**	68%	800	71%	800	74%	47%	46%	42%	37%	34%	34%
Cameron ES	35%	254	260	253	237	94%	23	267	270	299	303	50	284	92%	284	96%	284	97%	**400**	76%	400	77%	58%	58%	60%	47%	48%	44%
Carthage ES	27%	368	375	380	331	87%	44	384	397	424	429	49	440	85%	440	86%	440	89%	440	94%	440	95%	62%	64%	56%	56%	54%	54%
Highfalls ES	24%	171	152	121	98	81%	54	147	141	138	143	22	228	67%	228	76%	228	74%	228	73%	228	75%	62%	64%	55%	59%	61%	61%
McDeeds Creek ES	22%	n/a	n/a	468	453	97%	0	488	511	554	587	119	n/a	n/a	**800**	59%	800	62%	800	67%	800	71%	72%	72%	73%	64%	65%	73%
Pinehurst ES	23%	592	606	613	578	94%	28	616	631	656	678	65	367	165%	367	166%	367	170%	**800**	81%	800	83%	81%	79%	78%	74%	77%	75%
Robbins ES	59%	417	392	416	379	91%	13	384	379	386	408	-8	600	65%	600	60%	600	60%	600	61%	600	64%	47%	48%	49%	46%	50%	46%
Sandhills Farm Life ES	21%	726	740	351	322	92%	60	363	382	412	429	78	550	135%	550	71%	550	75%	550	80%	550	82%	67%	68%	73%	58%	60%	67%
Southern Pines PS/ES	58%	637	653	636	601	94%	52	634	638	644	664	28	990	66%	990	66%	**800**	82%	800	83%	800	85%	56%	57%	59%	46%	45%	50%
Vass-Lakeview ES	33%	627	600	481	472	98%	25	509	529	588	670	189	600	100%	600	87%	600	91%	600	100%	600	114%	62%	59%	54%	54%	50%	51%
West End ES	27%	452	508	454	452	100%	56	518	493	523	543	89	500	102%	500	114%	500	109%	500	115%	500	119%	75%	74%	70%	71%	65%	66%
West Pine ES	29%	568	587	603	534	89%	53	619	645	733	780	177	600	98%	600	100%	600	104%	600	117%	600	124%	73%	75%	76%	72%	73%	74%
Westmoore ES	20%	198	179	170	149	88%	30	175	166	156	156	-14	264	68%	264	69%	264	66%	264	63%	264	63%	63%	63%	57%	55%	40%	52%
		5631	5651	5613	5208		435	5717	5788	6143	6449	836	6148	92%	6948	83%	6833	85%	7382	83%	7382	87%						Area I Base Plan

	Minority		Util - 2022-23		Prof - ELA	
Max >	71%	Max >	117%	Max >	81%	
Min >	20%	Min >	61%	Min >	47%	
Range >	51	Range >	56	Range >	34	

Current 2019-20	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
Aberdeen PS/ES	71%	725	76%	800	71%	47%
Cameron ES	35%	284	96%	**400**	76%	58%
Carthage ES	27%	440	86%	440	94%	62%
Highfalls ES	24%	228	76%	228	73%	62%
McDeeds Creek ES	22%	**800**	59%	800	67%	72%
Pinehurst ES	23%	367	166%	**800**	81%	81%
Robbins ES	59%	600	60%	600	61%	47%
Sandhills Farm Life ES	21%	550	71%	550	80%	67%
Southern Pines PS/ES	58%	990	66%	800	83%	56%
Vass-Lakeview ES	33%	600	87%	600	100%	62%
West End ES	27%	500	114%	500	115%	75%
West Pine ES	29%	600	100%	600	117%	73%
Westmoore ES	20%	264	69%	264	63%	63%
		6948	83%	7382	83%	

	Minority		Util - 2022-23		Prof - ELA	
Max >	71%	Max >	117%	Max >	81%	
Min >	20%	Min >	61%	Min >	47%	
Range >	51	Range >	56	Range >	34	

MCS Multi-Year Student Assignment Plan Draft 1

- Draft 1 is based on balancing district-wide utilization for elementary and middle schools and maintaining elementary to middle and middle to high school feeders to the extent possible. Draft 1 assumes the new Aberdeen area and Southern Pines area elementary schools open in 2020-21 and the new Pinehurst ES opens in 2021-22. All new elementary schools have capacity = 800.

- Draft 1 assumes a modular classroom unit will be moved to Cameron ES by 2022-23, increasing Cameron's capacity to 400 seats

- The target year for Draft 1 maps and data tables is 2022-23 after all changes are in place

- *All information presented here, including maps and data tables, represents base assignment scenarios that are not approved by the MCS Board of Education and are subject to change. All information presented here is intended for planning purposes only.*

Draft 1: Elementary School Data Tables

Current 2019-20	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
Aberdeen PS/ES	71%	725	76%	**800**	71%	47%
Cameron ES	35%	284	96%	**400**	76%	58%
Carthage ES	27%	440	86%	440	94%	62%
Highfalls ES	24%	228	76%	228	73%	62%
McDeeds Creek ES	22%	**800**	59%	800	67%	72%
Pinehurst ES	23%	367	166%	**800**	81%	81%
Robbins ES	59%	600	60%	600	61%	47%
Sandhills Farm Life ES	21%	550	71%	550	80%	67%
Southern Pines PS/ES	58%	990	66%	**800**	83%	56%
Vass-Lakeview ES	33%	600	87%	600	100%	62%
West End ES	27%	500	114%	500	115%	75%
West Pine ES	29%	600	100%	600	117%	73%
Westmoore ES	20%	264	69%	264	63%	63%
		6948	**83%**	**7382**	**83%**	

Minority		Util - 2022-23		Prof - ELA	
Max >	71%	Max >	117%	Max >	81%
Min >	20%	Min >	61%	Min >	47%
Range >	51	Range >	56	Range >	34

Draft 1 - ES 2022-23	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
Aberdeen Area ES	65%	725	71%	**800**	68%	49%
Cameron ES	37%	284	116%	**400**	92%	54%
Carthage ES	27%	440	84%	440	92%	64%
Highfalls ES	20%	228	87%	228	85%	61%
McDeeds Creek ES	26%	**800**	81%	800	89%	70%
Pinehurst ES	23%	367	165%	**800**	82%	79%
Robbins ES	61%	600	71%	600	72%	48%
Sandhills Farm Life ES	20%	550	68%	550	76%	68%
Southern Pines Area ES	60%	990	69%	**800**	87%	55%
Vass-Lakeview ES	32%	600	78%	600	89%	65%
West End ES	24%	500	102%	500	104%	74%
West Pine ES	33%	600	69%	600	80%	76%
Westmoore ES	22%	264	76%	264	70%	60%
		6948	**83%**	**7382**	**83%**	

Minority		Util - 2022-23		Prof - ELA	
Max >	65%	Max >	104%	Max >	79%
Min >	20%	Min >	68%	Min >	48%
Range >	45	Range >	37	Range >	31

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Draft 1: Elementary School
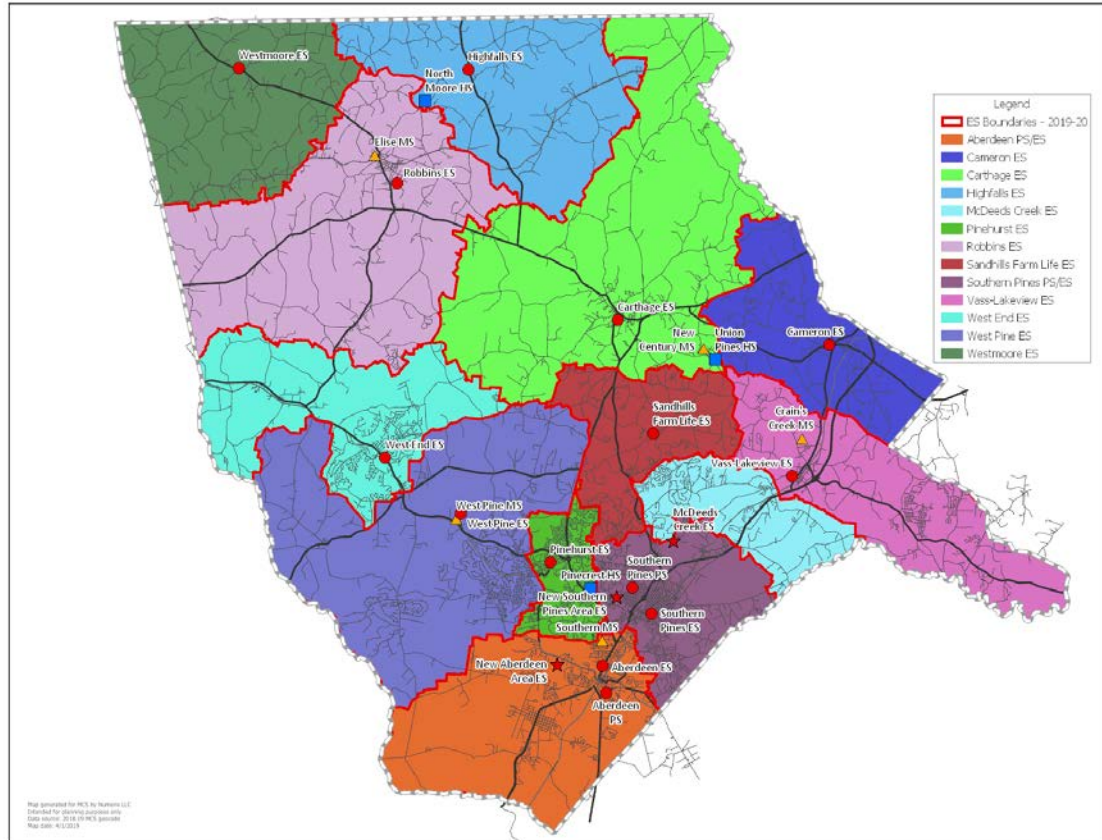
2019-20 Base Attendance Areas
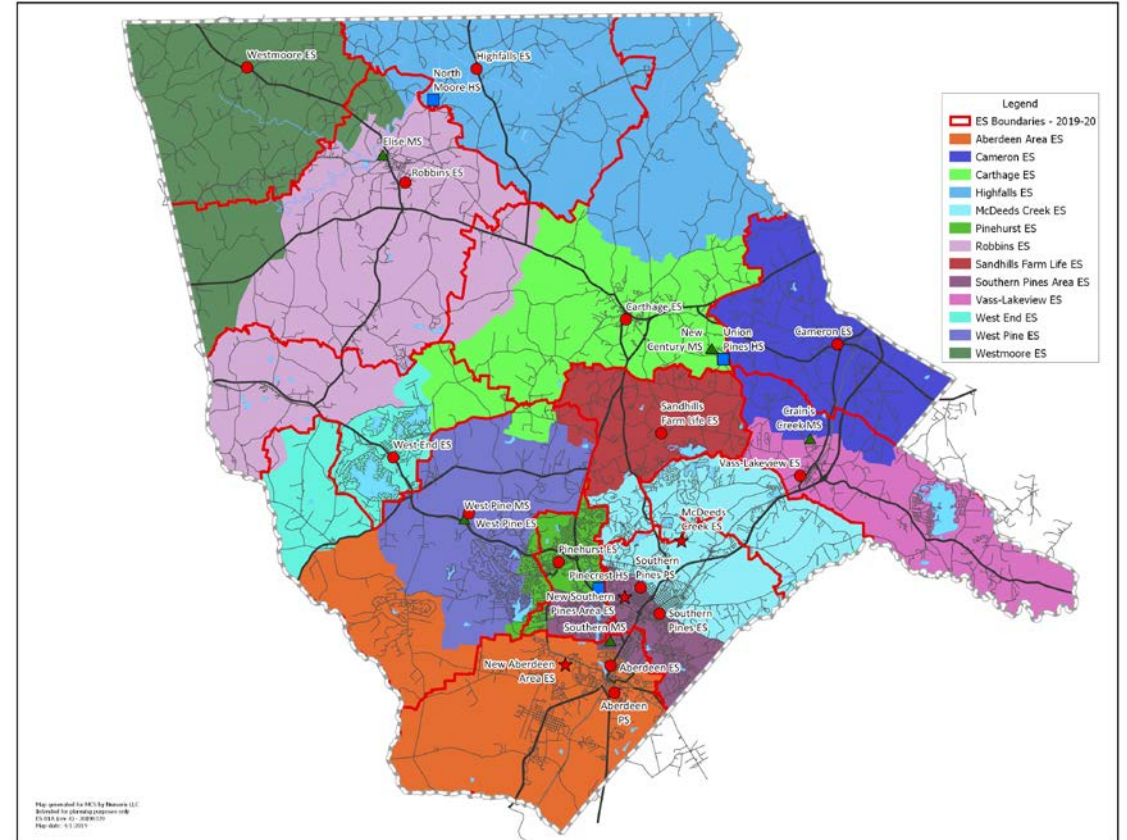
Draft 1

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Draft 1: Middle School Data Tables

Current 2019-20	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
Crains Creek MS	34%	478	86%	478	86%	59%
Elise MS	55%	270	83%	270	75%	47%
Highfalls ES	22%	123	86%	123	82%	62%
New Century MS	25%	700	94%	700	94%	69%
Southern MS	63%	700	97%	700	89%	51%
West Pine MS	25%	700	124%	700	140%	76%
Westmoore ES	27%	136	86%	136	77%	63%
		3107	**99%**	**3107**	**99%**	

Minority		Util - 2022-23		Prof - ELA	
Max >	63%	Max >	140%	Max >	76%
Min >	22%	Min >	75%	Min >	47%
Range >	41	Range >	65	Range >	30

Draft 1 - MS 2022-23	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
Crains Creek MS	33%	478	95%	478	93%	60%
Elise MS	55%	270	91%	270	85%	48%
Highfalls ES	19%	123	108%	123	105%	61%
New Century MS	27%	700	94%	700	94%	69%
Southern MS	51%	700	111%	700	111%	62%
West Pine MS	32%	700	95%	700	103%	68%
Westmoore ES	30%	136	96%	136	86%	60%
		3107	**99%**	**3107**	**99%**	

Minority		Util - 2022-23		Prof - ELA	
Max >	55%	Max >	111%	Max >	69%
Min >	19%	Min >	85%	Min >	48%
Range >	36	Range >	26	Range >	21

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Draft 1: Middle School
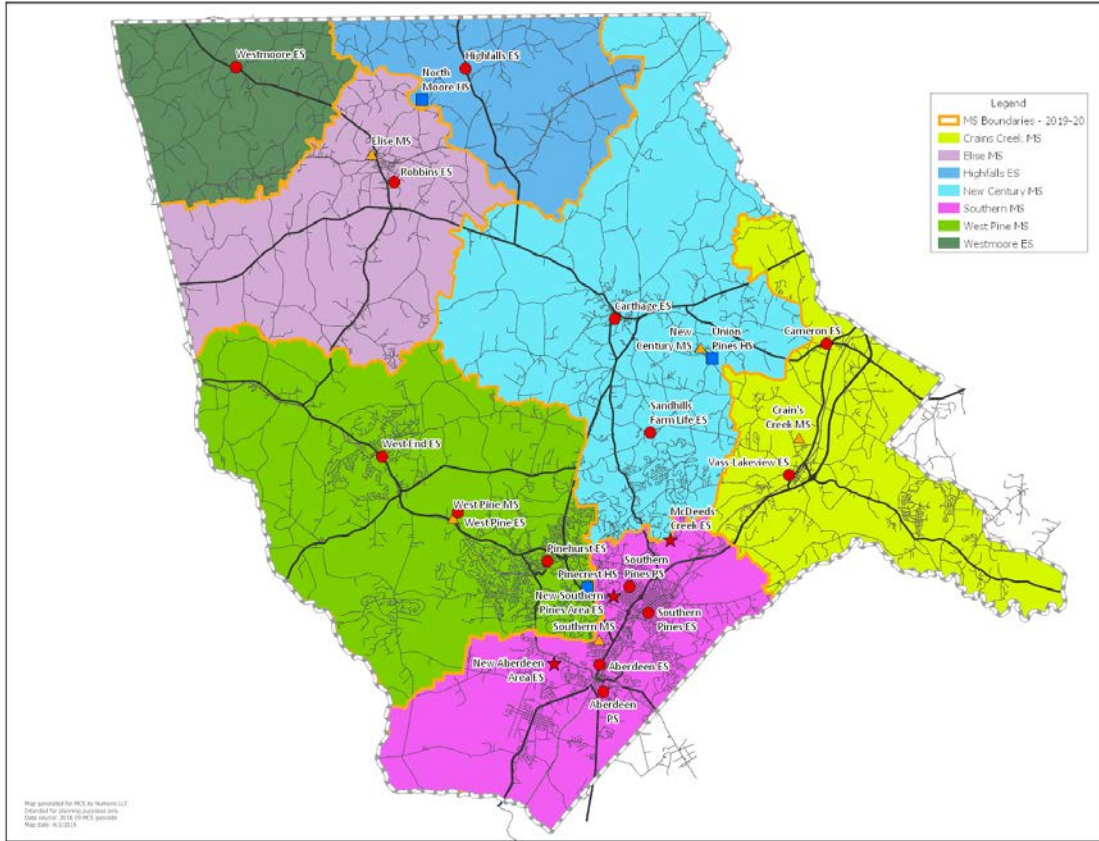
2019-20 Base Attendance Areas
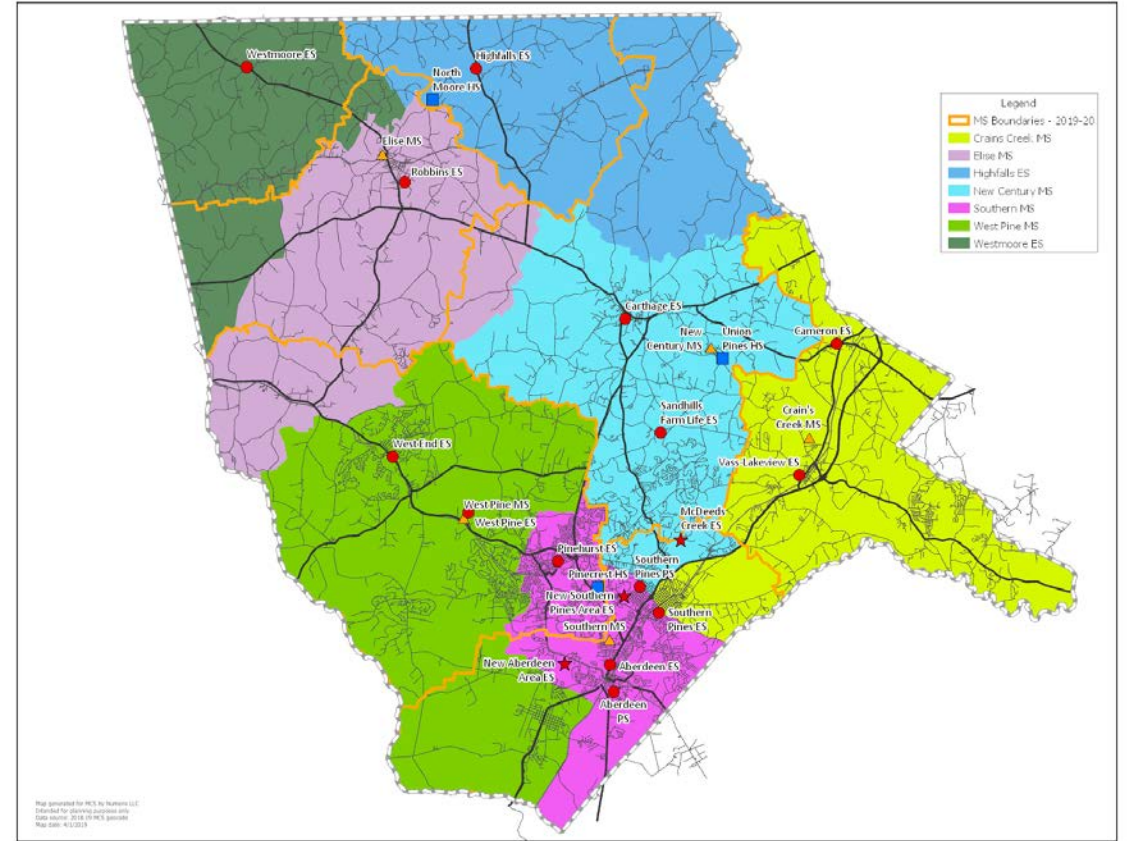
Draft 1

NOTE: All information presented here, including maps and data tables, represents base assignment scenarios that are not approved by the MCS Board of Education. All information presented here is intended for planning purposes only.

Draft 1: High School Data Tables
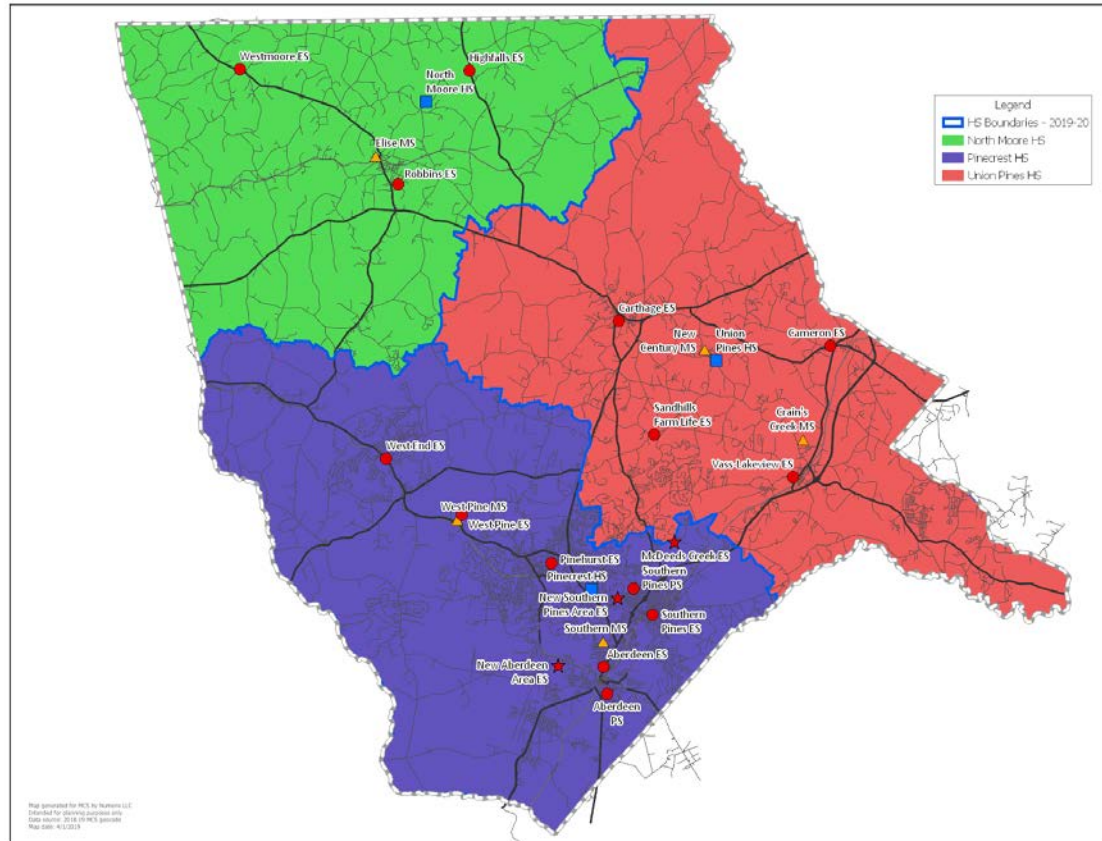
Current 2019-20	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
North Moore HS	41%	559	97%	559	106%	54%
Pinecrest HS	38%	1650	125%	1650	129%	65%
Union Pines HS	27%	1068	127%	1068	135%	64%
		3277	**121%**	**3277**	**127%**	

Minority		Util - 2022-23		Prof - ELA	
Max >	41%	Max >	135%	Max >	65%
Min >	27%	Min >	106%	Min >	54%
Range >	14	Range >	29	Range >	11

Draft 1 - HS 2022-23	Minority % 2019-20	Capacity 2019-20	Utilization 2019-20	Capacity 2022-23	Utilization 2022-23	Prof - ELA 2017-18
North Moore HS	42%	559	107%	559	116%	54%
Pinecrest HS	37%	1650	123%	1650	127%	65%
Union Pines HS	27%	1068	125%	1068	133%	65%
		3277	**121%**	**3277**	**127%**	

Minority		Util - 2022-23		Prof - ELA	
Max >	42%	Max >	133%	Max >	65%
Min >	27%	Min >	116%	Min >	54%
Range >	15	Range >	17	Range >	11

Draft 1: High School

2019-20 Base Attendance Areas
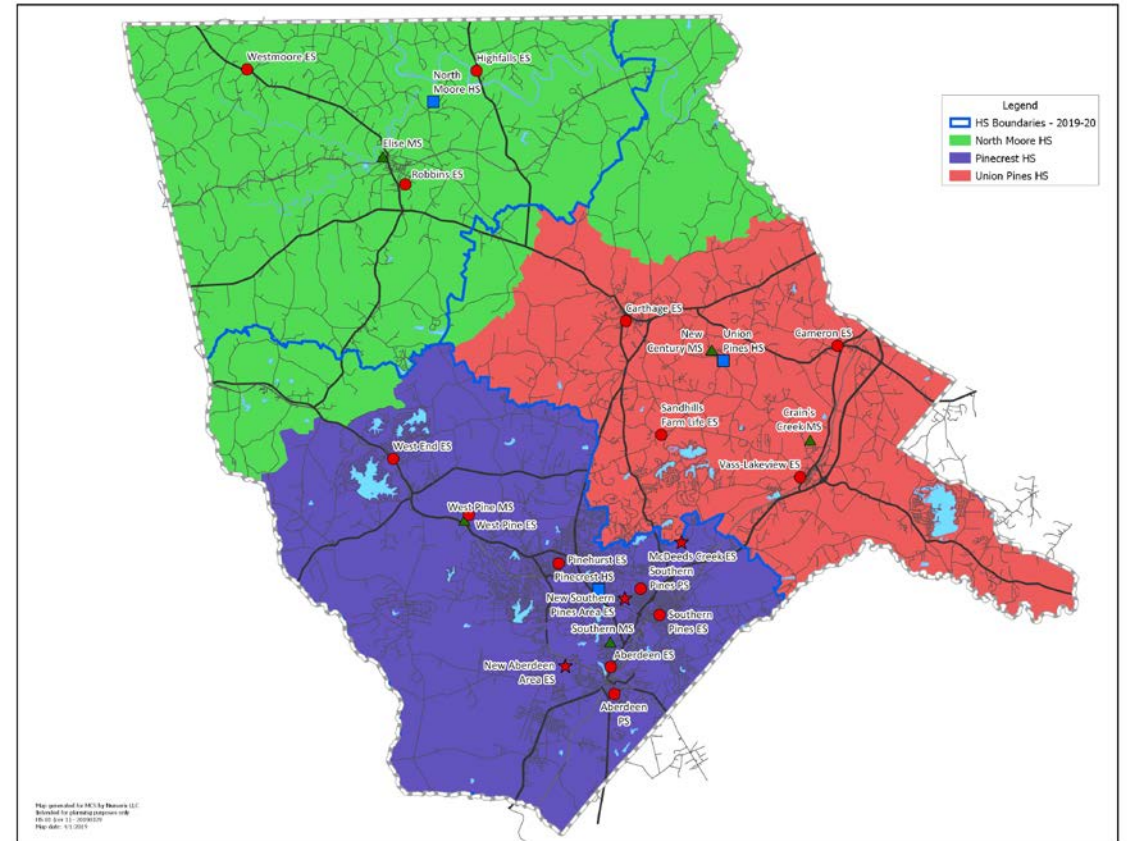
Draft 1

Assignment Planning Timeline

- February 4 – Board Work Session
- February 13, 5:30 – Initial Advisory Committee meeting at NCMS
- March 5, 5:30 – Advisory Committee meeting at NCMS
- March 18, 5:30 – Advisory Committee meeting at NCMS
- April 1 – Board Work Session: Presentation of Draft 1 of Multi-year Student Assignment Plan
- April 2, 6:00 – Public Engagement/Input Meetings. Area I & Area II at New Century Middle School
- April 3, 6:00 – Public Engagement/Input Meetings. Area III at Southern Middle School
- April 9, 5:30 – Advisory Committee meeting at NCMS
- May 6 – Board Work Session: Presentation of Draft 2 of Multi-year Student Assignment Plan
- May 7, 6:00 – Public Engagement/Input Meetings. Area I & Area II at New Century Middle School
- May 8, 6:00 – Public Engagement/Input Meetings. Area III at Southern Middle School
- May 14, 5:30 – Advisory Committee meeting at NCMS
- June 11, 5:30 – Advisory Committee meeting at NCMS
- July 30, 5:30 – Advisory Committee meeting at NCMS
- August 5 Work Session – Progress Update
- September 3 – Board Work Session: Presentation of Superintendent's Recommendation of Multi-year Student Assignment Plan
- September 12 – Public Hearing (tentative)
- October 14 – Regular Business Meeting: Board action on Multi-year Student Assignment Plan

Addendum

DATA TABLE LEGEND

DRAFT 1 FULL DATA TABLES

DRAFT 1 DETAIL MAP

2018-19 MCS MEMBERSHIP FORECAST (DRAFT)

COUNTY-WIDE STUDENT DENSITY MAPS

SCHOOL TRANSFER DATA

CHARTER SCHOOL DATA

OTHER SCHOOL SYSTEMS IN MOORE COUNTY

Data Table Legend

- Minority % 2019-20: Calculated using MCS 2018-19 student geocode
- Month-2 ADM: NC DPI Month-2 Average Daily Membership for 2017-18 and 2018-19
- 2018-19 MCS Membership (geocode)
  - Resident: Number of geocoded MCS students residing in base
  - Base: Number of geocoded base MCS students residing in base
  - Base %: Percentage of geocoded base students in resident students
- Non-Base 2018-19: (2018-19 Month-2 ADM) – (2018-19 Base)
- Forecast Membership 2019-20, 2020-21, 2022-23 and 2024-25: Forecasted MCS membership
- Growth: Forecasted MCS student growth by 2024-25 in base attendance area
- Capacity 2018-19: Provided by MCS, Summary of Existing Facilities 20180522
- Utilization 2018-19: (2018-19 Month-2 ADM) / Capacity
- Capacity 2019-20, 2020-21, 2022-23 and 2024-25: Building capacities as supplied by MCS, includes new schools
- Utilization 2019-20, 2020-21, 2022-23 and 2024-25: (Base + Non-Base) / Capacity
- Proficiency, English Language Arts (ELA) and Math, 2015-16, 2016-17 and 2017-18: Percentage of geocoded resident students by year that are proficient in subject. *Data source: EOG scores for grades 3-8 provided by MCS.*

Current 2019-20	Minority % 2019-20	Month-2 ADM 2017-18	2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast MCS Membership 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	Prof - ELA 2017-18	2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
Aberdeen PS/ES	71%	621	599	667	602	90%	-3	613	606	630	659	-8	725	83%	725	76%	800	68%	800	71%	800	74%	47%	46%	42%	37%	34%	34%
Cameron ES	35%	254	260	253	237	94%	23	267	270	299	303	50	284	92%	284	96%	284	97%	400	76%	400	77%	58%	58%	60%	47%	48%	44%
Carthage ES	27%	368	375	380	331	87%	44	384	397	424	429	49	440	85%	440	86%	440	89%	440	94%	440	95%	62%	64%	56%	56%	54%	54%
Highfalls ES	24%	171	152	121	98	81%	54	147	141	138	143	22	228	67%	228	76%	228	74%	228	73%	228	75%	62%	64%	55%	59%	61%	61%
McDeeds Creek ES	22%	n/a	n/a	468	453	97%	0	488	511	554	587	119	n/a	n/a	800	59%	800	62%	800	67%	800	71%	72%	72%	73%	64%	65%	73%
Pinehurst ES	23%	592	606	613	578	94%	28	616	631	656	678	65	367	165%	367	166%	367	170%	800	81%	800	83%	81%	79%	78%	74%	77%	75%
Robbins ES	59%	417	392	416	379	91%	13	384	379	386	408	-8	600	65%	600	60%	600	60%	600	61%	600	64%	47%	48%	49%	46%	50%	46%
Sandhills Farm Life ES	21%	726	740	351	322	92%	60	363	382	412	429	78	550	135%	550	71%	550	75%	550	80%	550	82%	67%	68%	73%	58%	60%	67%
Southern Pines PS/ES	58%	637	653	636	601	94%	52	634	638	644	664	28	990	66%	990	66%	800	82%	800	83%	800	85%	56%	57%	59%	46%	45%	50%
Vass-Lakeview ES	33%	627	600	481	472	98%	25	509	529	588	670	189	600	100%	600	87%	600	91%	600	100%	600	114%	62%	59%	54%	54%	50%	51%
West End ES	27%	452	508	454	452	100%	56	518	493	523	543	89	500	102%	500	114%	500	109%	500	115%	500	119%	75%	74%	70%	71%	65%	66%
West Pine ES	29%	568	587	603	534	89%	53	619	645	733	780	177	600	98%	600	100%	600	104%	600	117%	600	124%	73%	75%	76%	72%	73%	74%
Westmoore ES	20%	198	179	170	149	88%	30	175	166	156	156	-14	264	68%	264	69%	264	66%	264	63%	264	63%	63%	57%	55%	40%	52%	50%
		5631	5651	5613	5208		435	5717	5788	6143	6449	836	6148	92%	6948	83%	6833	85%	7382	83%	7382	87%						

Minority		Util - 2022-23		Prof - ELA	
Max >	71%	Max >	117%	Max >	81%
Min >	20%	Min >	61%	Min >	47%
Range >	51	Range >	56	Range >	34

Area I Base Plan

Draft 1 - ES 2022-23	Minority % 2019-20	Month-2 ADM 2017-18	2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast MCS Membership 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	Prof - ELA 2017-18	2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
Aberdeen Area ES	65%	621	599	610	558	91%	-3	565	565	594	622	12	725	83%	725	71%	800	64%	800	68%	800	71%	49%	48%	45%	39%	37%	36%
Cameron ES	37%	254	260	309	291	94%	23	326	332	368	382	73	284	92%	284	116%	284	118%	400	92%	400	96%	54%	55%	57%	45%	46%	42%
Carthage ES	27%	368	375	355	322	91%	44	361	373	400	405	50	440	85%	440	84%	440	87%	440	92%	440	93%	64%	66%	57%	56%	56%	55%
Highfalls ES	20%	171	152	156	124	79%	54	182	176	176	182	26	228	67%	228	87%	228	85%	228	85%	228	87%	61%	62%	56%	58%	59%	60%
McDeeds Creek ES	26%	n/a	n/a	657	625	95%	0	677	702	748	788	131	n/a	n/a	800	81%	800	83%	800	89%	800	94%	70%	70%	71%	61%	63%	68%
Pinehurst ES	23%	592	606	616	573	93%	28	622	638	673	701	85	367	165%	367	165%	367	169%	800	82%	800	85%	79%	79%	78%	74%	78%	75%
Robbins ES	61%	417	392	464	432	93%	13	443	436	448	470	6	600	65%	600	71%	600	70%	600	72%	600	75%	48%	48%	47%	51%	46%	46%
Sandhills Farm Life ES	20%	726	740	338	305	90%	60	350	367	396	411	73	550	135%	550	68%	550	71%	550	76%	550	78%	68%	67%	72%	58%	58%	67%
Southern Pines Area ES	60%	637	653	684	641	94%	52	674	678	690	714	30	990	66%	990	69%	800	86%	800	87%	800	90%	55%	58%	58%	47%	47%	52%
Vass-Lakeview ES	32%	627	600	425	418	98%	25	450	467	519	591	166	600	100%	600	78%	600	81%	600	89%	600	101%	65%	61%	54%	56%	57%	53%
West End ES	24%	452	508	413	402	97%	56	468	449	478	498	85	500	102%	500	102%	500	99%	500	104%	500	108%	74%	76%	74%	73%	66%	67%
West Pine ES	33%	568	587	384	349	91%	53	394	410	467	497	113	600	98%	600	76%	600	71%	600	80%	600	84%	76%	74%	76%	73%	71%	74%
Westmoore ES	22%	198	179	202	168	83%	30	205	195	186	188	-14	264	68%	264	76%	264	73%	264	70%	264	71%	60%	57%	57%	43%	52%	51%
		5631	5651	5613	5208		435	5717	5788	6143	6449	836	6148	92%	6948	83%	6833	85%	7382	83%	7382	87%						

Minority		Util - 2022-23		Prof - ELA	
Max >	65%	Max >	104%	Max >	79%
Min >	20%	Min >	68%	Min >	48%
Range >	45	Range >	37	Range >	31

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Full Data Tables – Draft 1: Middle and High Schools

Current 2019-20	Minority % 2019-20	Month-2 ADM 2017-18	2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast MCS Membership 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	Prof - ELA 2017-18	2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
Crains Creek MS	34%	396	419	432	404	94%	15	426	436	421	424	-8	478	88%	478	86%	478	88%	478	86%	478	86%	59%	57%	54%	51%	48%	49%
Elise MS	55%	216	238	252	221	88%	17	236	229	210	181	-71	270	88%	270	83%	270	81%	270	75%	270	65%	47%	48%	49%	46%	50%	46%
Highfalls ES	22%	97	99	86	73	85%	26	94	90	88	91	5	123	81%	123	86%	123	84%	123	82%	123	84%	62%	64%	55%	59%	61%	61%
New Century MS	25%	564	634	616	577	94%	57	640	660	642	710	94	700	91%	700	94%	700	96%	700	94%	700	103%	69%	69%	69%	60%	61%	65%
Southern MS	63%	667	694	707	676	96%	18	689	670	636	621	-86	700	99%	700	97%	700	94%	700	89%	700	87%	51%	51%	50%	41%	39%	42%
West Pine MS	25%	846	838	828	810	98%	28	862	915	973	1036	208	700	120%	700	124%	700	132%	700	140%	700	149%	76%	76%	75%	73%	72%	72%
Westmoore ES	27%	107	111	102	94	92%	17	108	101	95	96	-6	136	82%	136	86%	136	81%	136	77%	136	78%	63%	57%	55%	40%	52%	50%
		2893	**3033**	**3023**	**2855**	**94%**	**178**	**3055**	**3101**	**3065**	**3159**	**136**	**3107**	**98%**	**3107**	**99%**	**3107**	**100%**	**3107**	**99%**	**3107**	**102%**						

Minority: Max > 63%, Min > 22%, Range > 41
Util - 2022-23: Max > 140%, Min > 75%, Range > 65
Prof - ELA: Max > 76%, Min > 47%, Range > 30 (2019-20)

Draft 1 - MS 2022-23	Minority % 2019-20	Month-2 ADM 2017-18	2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast MCS Membership 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	Prof - ELA 2017-18	2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
Crains Creek MS	33%	396	419	472	444	94%	15	465	475	457	459	-13	478	88%	478	95%	478	97%	478	93%	478	93%	60%	57%	55%	51%	47%	49%
Elise MS	55%	216	238	271	240	89%	17	258	253	240	215	-56	270	88%	270	91%	270	89%	270	85%	270	77%	48%	48%	48%	47%	51%	46%
Highfalls ES	19%	97	99	116	100	86%	26	124	121	119	125	9	123	81%	123	108%	123	106%	123	105%	123	109%	61%	62%	56%	58%	59%	60%
New Century MS	27%	564	634	618	582	94%	57	640	658	636	700	82	700	91%	700	94%	700	97%	700	94%	700	102%	69%	70%	69%	60%	62%	65%
Southern MS	51%	667	694	776	759	98%	18	776	780	777	792	16	700	99%	700	111%	700	112%	700	111%	700	113%	62%	62%	60%	54%	54%	55%
West Pine MS	32%	846	838	644	620	96%	28	662	691	721	755	111	700	120%	700	95%	700	99%	700	103%	700	108%	68%	69%	68%	64%	61%	63%
Westmoore ES	30%	107	111	126	110	87%	17	130	123	115	113	-13	136	82%	136	96%	136	91%	136	86%	136	85%	60%	57%	57%	43%	52%	51%
		2893	**3033**	**3023**	**2855**	**94%**	**178**	**3055**	**3101**	**3065**	**3159**	**136**	**3107**	**98%**	**3107**	**99%**	**3107**	**100%**	**3107**	**99%**	**3107**	**102%**						

Minority: Max > 55%, Min > 19%, Range > 36
Util - 2022-23: Max > 111%, Min > 85%, Range > 26
Prof - ELA: Max > 69%, Min > 48%, Range > 21
MS 02 (rev 2) - 20190329

Current 2019-20	Minority % 2019-20	Month-2 ADM 2017-18	2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast MCS Membership 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	Prof - ELA 2017-18	2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
North Moore HS	41%	560	533	503	488	97%	45	513	547	566	519	16	559	92%	559	97%	559	103%	559	106%	559	98%	54%	53%	52%	47%	53%	50%
Pinecrest HS	38%	2120	2120	2146	2063	96%	57	2092	2114	2147	2185	39	1650	128%	1650	125%	1650	127%	1650	129%	1650	131%	65%	64%	63%	58%	57%	58%
Union Pines HS	27%	1366	1356	1381	1292	94%	64	1384	1377	1475	1512	131	1068	127%	1068	127%	1068	127%	1068	135%	1068	138%	64%	64%	63%	56%	56%	59%
		4046	**4009**	**4030**	**3843**	**95%**	**166**	**3989**	**4038**	**4188**	**4216**	**186**	**3277**	**122%**	**3277**	**121%**	**3277**	**123%**	**3277**	**127%**	**3277**	**128%**						

Minority: Max > 41%, Min > 27%, Range > 14
Util - 2022-23: Max > 135%, Min > 106%, Range > 29
Prof - ELA: Max > 65%, Min > 54%, Range > 11 (2019-20)

Draft 1 - HS 2022-23	Minority % 2019-20	Month-2 ADM 2017-18	2018-19	2018-19 MCS Membership (geocode) Resident	Base	Base %	Non-Base 2018-19	Forecast MCS Membership 2019-20	2020-21	2022-23	2024-25	Growth	Capacity 2018-19	Utilization 2018-19	Capacity 2019-20	Utilization 2019-20	Capacity 2020-21	Utilization 2020-21	Capacity 2022-23	Utilization 2022-23	Capacity 2024-25	Utilization 2024-25	Prof - ELA 2017-18	2016-17	2015-16	Prof - Math 2017-18	2016-17	2015-16
North Moore HS	42%	560	533	561	543	97%	45	571	605	625	579	18	559	95%	559	107%	559	113%	559	116%	559	108%	54%	53%	52%	48%	53%	50%
Pinecrest HS	37%	2120	2120	2113	2031	96%	57	2059	2081	2114	2152	39	1650	128%	1650	123%	1650	125%	1650	127%	1650	129%	65%	65%	64%	58%	57%	58%
Union Pines HS	27%	1366	1356	1356	1269	94%	64	1359	1352	1449	1485	129	1068	127%	1068	125%	1068	124%	1068	133%	1068	136%	65%	64%	63%	56%	56%	59%
		4046	**4009**	**4030**	**3843**	**95%**	**166**	**3989**	**4038**	**4188**	**4216**	**186**	**3277**	**122%**	**3277**	**121%**	**3277**	**123%**	**3277**	**127%**	**3277**	**128%**						

Minority: Max > 42%, Min > 27%, Range > 15
Util - 2022-23: Max > 133%, Min > 116%, Range > 17
Prof - ELA: Max > 65%, Min > 54%, Range > 11
HS 01 (rev 1) - 20190329

Detail Map: Draft 1

Attendances Areas - 2022-23
Draft 1

- HS Boundaries - 2021-22
- MS Boundaries - 2021-22
- Aberdeen Area ES
- Cameron ES
- Carthage ES
- Highfalls ES
- McDeeds Creek ES
- Pinehurst ES
- Robbins ES
- Sandhills Farm Life ES
- Southern Pines Area ES
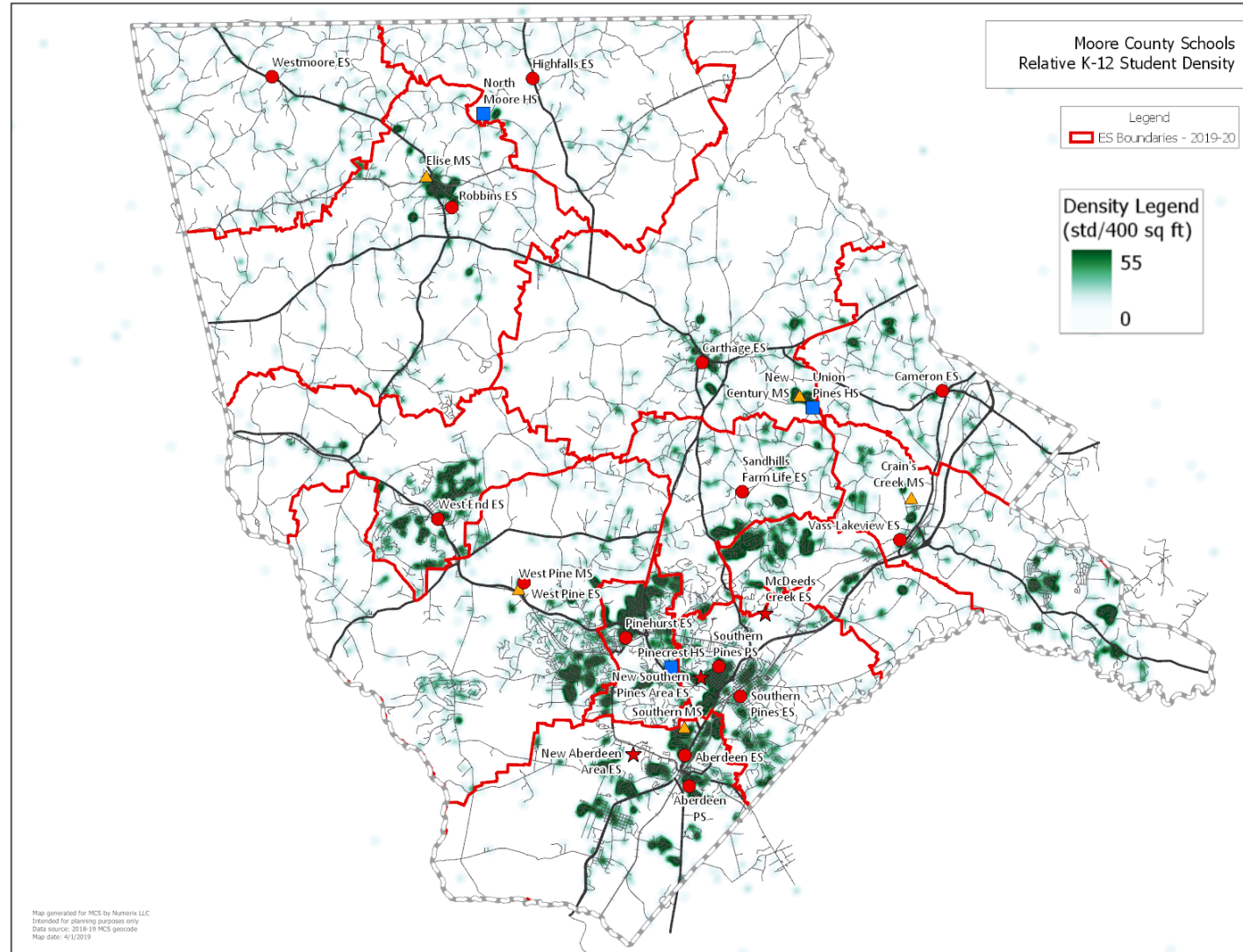- Vass-Lakeview ES
- West End ES
- West Pine ES
- Westmoore ES

DRAFT 1
April 1, 2019

Moore County Schools Membership Forecast - By Area   *DRAFT*

1. *Month-2 ADM supplied by NC DPI. Pre-K not included.*
2. *Building capacities supplied by MCS, 9/27/2017*
3. *Forecast includes impacts from residential growth as described in the 2017-18 OREd Land Use Study, January 2018.*
4. *Forecast generated by Numerix Cohort-Feeder model. Projected RLB annual gain = 1.5%, 2018 to 2023. Overall K-12 annual gain = 1.57%, 2019-20 to 2028-29.*

	Grades	Capacities	Historic Month-2 ADM					Month-2	Forecasted Month-2 ADM									
		2018-19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Area I																		
Cameron ES	K-5	284	251	254	250	256	254	260	267	270	289	299	306	303	310	315	318	323
Carthage ES	K-5	440	415	382	383	361	368	375	384	397	396	424	425	429	438	446	450	457
Sandhills Farm Life ES	K-5	550	633	643	665	689	726	740	748	785	809	845	857	880	898	915	923	936
Vass-Lakeview ES	K-5	600	633	630	639	635	627	600	612	637	672	709	752	806	824	839	846	858
Crains Creek MS	6-8	478	417	413	411	383	396	419	426	436	428	421	415	424	455	491	537	551
New Century MS	6-8	700	562	599	587	605	564	634	640	660	665	642	687	710	760	763	784	805
Union Pines HS	9-12	1068	1275	1318	1355	1350	1366	1356	1384	1377	1401	1475	1472	1512	1480	1508	1556	1615
Area I SubTotal		**4120**	4186	4239	4290	4279	4301	**4384**	4461	4562	4659	4815	4914	5064	5165	5276	5413	5546
Area II																		
Highfalls ES	K-8	350	298	290	275	266	268	251	240	231	226	226	226	234	234	243	250	254
Westmoore ES	K-8	400	381	365	337	312	305	290	283	267	254	251	245	251	260	262	268	273
Robbins ES	K-5	600	452	434	443	447	417	392	384	379	374	386	404	408	417	424	428	434
Elise MS	6-8	270	225	220	194	207	216	238	236	229	224	210	191	181	187	202	205	211
North Moore HS	9-12	559	610	639	631	574	560	533	513	547	564	566	555	519	471	440	421	418
Area II SubTotal		**2179**	1966	1948	1880	1806	1766	**1704**	1657	1654	1642	1638	1621	1594	1569	1570	1573	1591
Area III																		
Aberdeen PS	K-2	285	319	327	320	298	294	298	301	308	324	332	339	340	345	350	355	361
Aberdeen ES	3-5	440	313	304	321	309	327	301	312	298	295	297	304	320	328	335	336	341
Pinehurst ES	K-5	367	509	519	531	527	592	606	616	631	639	656	654	678	691	704	710	721
Southern Pines PS	K-2	400	465	453	374	339	308	329	314	325	327	335	342	343	349	354	359	365
Southern Pines ES	3-5	590	413	418	384	364	329	324	321	313	323	308	320	321	330	336	337	343
West End ES	K-5	500	399	438	439	467	452	508	518	493	529	523	545	543	554	564	569	577
West Pine ES	K-5	600	548	559	567	597	568	587	619	645	700	733	779	780	797	811	818	830
Southern MS	6-8	700	774	678	682	659	667	694	689	670	628	636	614	621	609	627	645	662
West Pine MS	6-8	700	843	821	815	818	846	838	862	915	933	973	946	1036	1057	1108	1129	1161
Pinecrest HS	9-12	1650	2154	2145	2217	2163	2120	2120	2092	2114	2153	2147	2229	2185	2230	2238	2264	2346
Area III SubTotal		**6232**	6737	6662	6650	6541	6503	**6605**	6644	6712	6851	6941	7072	7167	7289	7428	7524	7706
Special/Alternative																		
CLC @ Pinckney	7-12	n/a	21	43	11	54	59	66	66	66	66	66	66	66	66	66	66	66
System Total (excluding Spec/Alt)		**12531**	12889	12849	12820	12626	12570	**12693**	12761	12928	13152	13395	13608	13825	14022	14274	14510	14842
System Total (including Spec/Alt)		**12531**	12910	12892	12831	12680	12629	**12759**	12827	12994	13218	13461	13674	13891	14088	14340	14576	14908

Capacity Legend

< 95%	95% - 100%	100% - 105%	> 105%

Student Density by Residence – MS Base
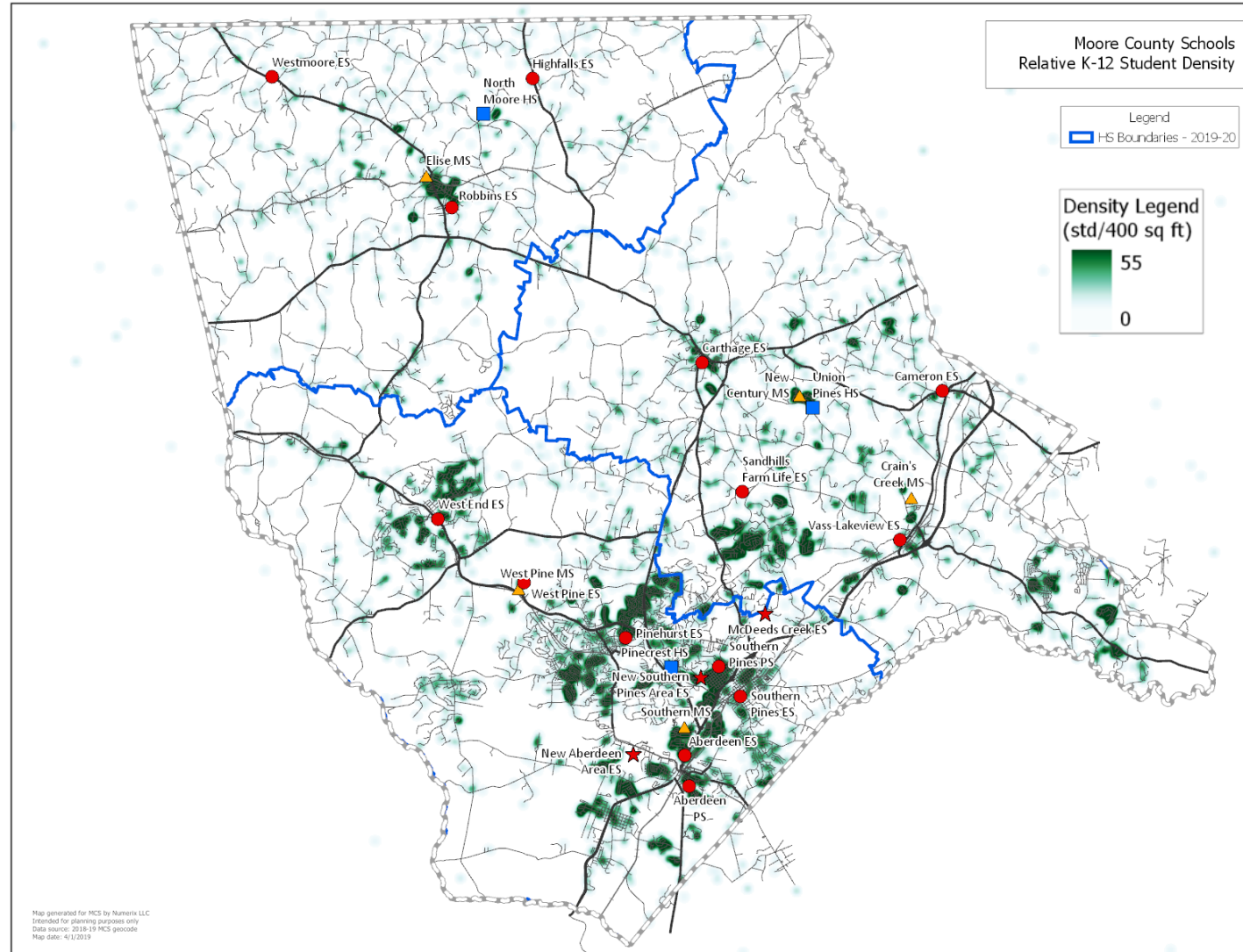
Transfer Report – 2017-2018

School	Student Transfer Requests within Moore County 2016-17	Student Transfer Requests within Moore County 2017-18	Student Transfer Requests from Another County 2016-17	Student Transfer Requests from Another County 2017-18	Students of Moore County Employees 2016-17	Students of Moore County Employees 2017-18	Students Denied 2016-17	Students Denied 2017-18
Aberdeen Elementary	6	5	1	1	2	1	1	
Aberdeen Primary	1	1	5	5		2		
Cameron Elementary	6	11	11	5	6	7	1	
Carthage Elementary	12	24				5		1
Crain's Creek Middle	9	19	6	1	8	9	1	
Elise Middle	6	4	1	1	3	3		
Highfalls Elementary	52	61	9	11	23	21	1	1
New Century Middle	23	26	4	2	11	11		5
North Moore High	29	29	20	14	8	13	2	
Sandhills Farm Life Elementary	34	35	2	2	12	18	1	
Southern Middle	12	13	9	7	4	5	2	1
Pinecrest High	10	22	15	14	8	10	3	2
Pinehurst Elementary	49	47			14	17		7
Southern Pines Elementary	55	40	3		1	4	2	1
Southern Pines Primary	30	21	1	2	4	6		
Robbins Elementary	13	17			5	9		
Union Pines High	49	47	13	9	16	20	1	2
Vass-Lakeview Elementary	19	18	7	5	15	15		1
West End Elementary	33	41	4	4	8	14		4
West Pine Elementary	30	15	6	4	19	14	2	
West Pine Middle	19	21	3	2	8	14	3	2
Westmoore Elementary	26	32	10	3	9	8		
TOTALS	**523**	**549**	**130**	**92**	**184**	**226**	**20**	**27**

Transfer Report – 2017-2018

School	Applied for Tuition Waiver	Tuition Waived	Tuition Reduced ($585)	Tuition Reduced ($1171)	Tuition Reduced ($1755)	Owe Full Tuition ($2343)	Out of County Students of MCS Employees Tuition N/A
Aberdeen Elementary							1
Aberdeen Primary	3	1	1 (paid)	1 (paid)		2 (back to Hoke Co.)	1
Cameron Elementary						1 (paid)	4
Carthage Elementary							
Crain's Creek Middle							1
Elise Middle							1
Highfalls Elementary	1	1					8
New Century Middle							2
North Moore High	7	2	1 (paid)	2 (all paid)	1 (paid)	4 (all paid – 1 applied for waiver but was denied)	4
Sandhills Farm Life Elementary							2
Southern Middle	1	1				1 (back to Hoke Co.)	3
Pinecrest High	6	4		2 (all paid)			4
Pinehurst Elementary							
Southern Pines Elementary							
Southern Pines Primary							2
Robbins Elementary							
Union Pines High	1		1 (paid)			2 (all paid)	3
Vass-Lakeview Elementary							5
West End Elementary	1		1 (paid)			3 (all paid)	1
West Pine Elementary							4
West Pine Middle							2
Westmoore Elementary							2
TOTALS	20	9	4	5	1	13	50

OUT OF BOUNDARY 2017-2018 SY		ABE	APS	CAM	CAR	CCM	EMS	HFE	NCM	NMH	PES	PHS	RES	SFE	SMS	SPE	SPP	UPH	VLE	WEE	WME	WPE	WPM	Receiving Total
RECEIVING SCHOOLS	ABE			1							2		3	1		6			1			2		16
	APS												1				2							3
	CAM				4									1		3			2					10
	CAR	3	1	11							1		5	16		2	3		2			3		47
	CCM								13						2								1	16
	EMS								1						1						3			5
	HFE	1			1		17		4				25		1						10			59
	NCM					7	4	1							9								11	32
	NMH											17						9						26
	PES	2	4		1									1		1				2		22		33
	PHS									1								39						40
	RES	1	2	1	3			3			3			2						2	8	2		27
	SFE	4	3	3	10						6		1			5	6		4			9		51
	SMS					3	2		3														4	12
	SPE	28		1												1			1			1		32
	SPP			1							3		1	4				19	2			2		32
	UPH									5		46												51
	VLE	2		8	11						2			5		5						1		34
	WEE	3	5		2			1			7		14	3			1		3			19		58
	WME						14	3					20		1									38
	WPE	2	2		2			1			5		2	1		2	1			4				22
	WPM					2	5	1	13							15								36
	Total Out	46	17	26	34	12	42	10	34	6	29	63	72	35	29	24	32	48	15	8	21	61	16	680
	Total In	16	3	10	47	16	5	59	32	26	33	40	27	51	12	32	32	51	34	58	38	22	36	680
	Net Gain	-30	-14	-16	13	4	-37	49	-2	20	4	-23	-45	16	-17	8	0	3	19	50	17	-39	20	0

Charter School Impact on MCS

Charter transfers by city	
Aberdeen	285
Cameron	40
Carthage	61
Eagle Springs	7
Foxfire Village	1
Jackson Springs	4
Lakeview	1
Pinebluff	42
Pinehurst	55
Raeford	2
Robbins	13
Seagrove	14
Southern Pines	212
Vass	37
West End	32
Whispering Pines	40
Total	**846**

Charter transfers by grade	
KI	144
1	120
2	102
3	92
4	69
5	89
6	47
7	72
8	47
9	16
10	29
11	15
12	4
Total	**846**

Data source: MCS Finance Dept., January 2019

Other School Systems in Moore County

Home Schools (2017-18)

- Number of home schools: 946

- Estimated number of students: 1,614

Private Schools (2017-18)

- Number of private schools: 13

Grade	Enrollment
KI	145
1	122
2	123
3	123
4	116
5	95
6	97
7	91
8	96
9	65
10	55
11	64
12	34
Total	**1,226**

Data source: https://ncadmin.nc.gov/citizens/home-school/non-public-education-resources-stats

Data source: https://ncadmin.nc.gov/documents/2018-conventional-private-school-stats