

# Joint Education Appropriations Information Request Follow-Up, Feb 2019

## Per Pupil Expenditure

1) Combined LEA and Charter School PPE

2) Adjust for Inflation

PER PUPIL EXPENDITURE (LEA AND CHARTER)										
Current Dollars	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
State Funds <sup>1</sup>										
Expenditures	\$ 8,168,697,777	\$ 7,525,001,100	\$ 7,480,541,243	\$ 7,828,942,603	\$ 7,964,869,949	\$ 8,034,582,978	\$ 8,455,613,604	\$ 8,652,285,414	\$ 9,026,243,207	\$ 9,310,186,365
ADM <sup>2</sup>	1,445,628	1,440,212	1,451,133	1,461,935	1,476,257	1,491,819	1,502,362	1,513,053	1,518,444	1,521,200
Expenditures/ADM	\$ 5,651	\$ 5,225	\$ 5,155	\$ 5,355	\$ 5,395	\$ 5,386	\$ 5,628	\$ 5,718	\$ 5,944	\$ 6,120
Constant Dollars (FY 2011-12 Dollars)										
Inflation Factor <sup>5</sup>	214.7	216.7	221.1	227.6	231.4	235.0	236.7	238.3	242.7	248.1
State Funds <sup>1</sup>										
Expenditures	\$ 8,659,867,475	\$ 7,901,005,078	\$ 7,699,711,944	\$ 7,828,942,603	\$ 7,834,473,130	\$ 7,781,502,495	\$ 8,130,080,166	\$ 8,263,427,766	\$ 8,464,877,720	\$ 8,538,678,324
ADM	1,445,628	1,440,212	1,451,133	1,461,935	1,476,257	1,491,819	1,502,362	1,513,053	1,518,444	1,521,200
Expenditures/ADM	\$ 5,990	\$ 5,486	\$ 5,306	\$ 5,355	\$ 5,307	\$ 5,216	\$ 5,412	\$ 5,461	\$ 5,575	\$ 5,613

## Average Daily Membership

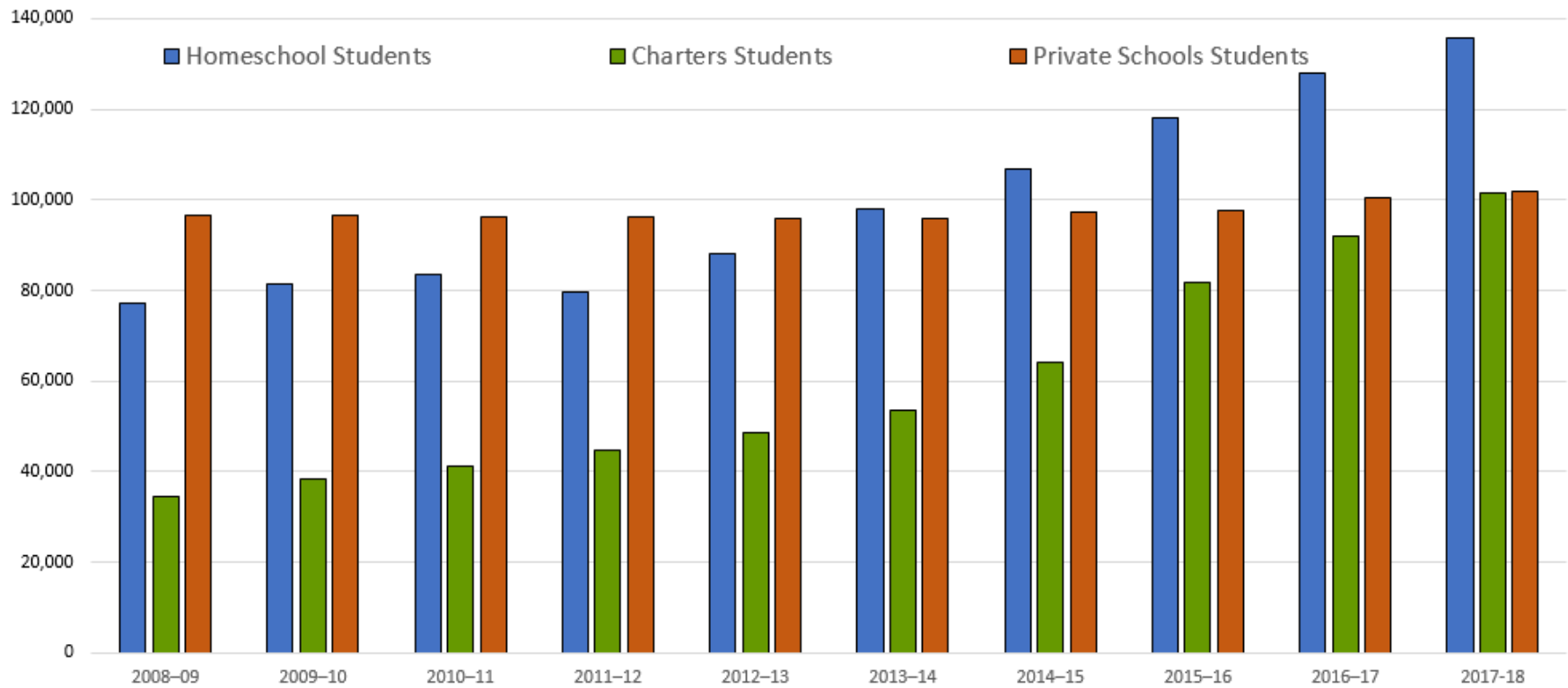
1) ADM over 10 years for LEAs, charter schools, private schools, and homeschools

School Type	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
<b>LEAs</b>	1,441,872	1,426,792	1,434,436	1,436,162	1,443,998	1,456,330	1,456,119	1,459,852	1,454,290	1,450,949
<b>Charters</b>	34,964	38,122	41,232	44,829	48,795	53,655	64,186	77,191	89,228	101,689
<b>Private*</b>	96,545	96,421	96,229	96,096	95,948	95,768	97,259	97,721	100,585	101,775
<b>Home*</b>	77,065	81,509	83,609	79,693	87,978	98,172	106,853	118,268	127,847	135,749

\*Note: Source is NC Department of Administration, Division of Non-Public Education

## Average Daily Membership, cont'd

### Private, Homeschool and Public Charter School Students



Source: NC Department of Public Instruction

## 2) Rural vs. Urban ADM changes over time

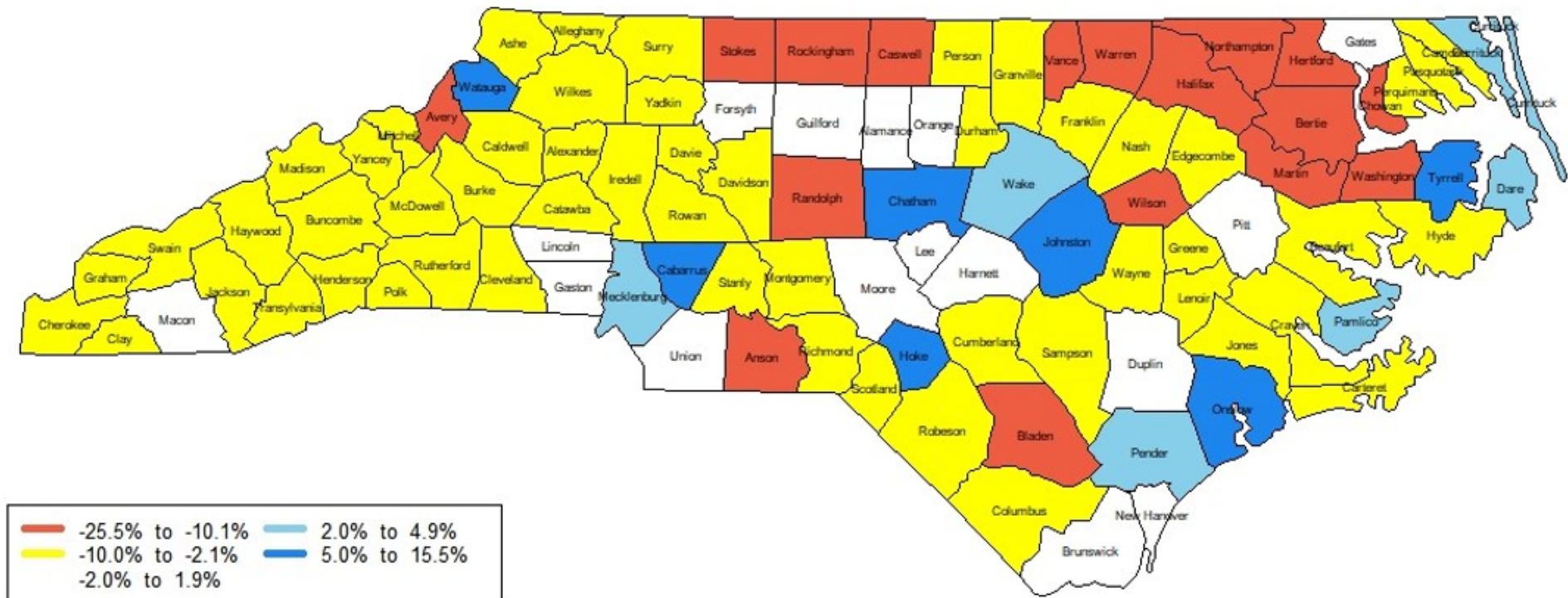
-20.6% to -10.1%    2.0% to 4.9%  
 -10.0% to -2.1%    5.0% to 11.0%  
 -2.0% to 1.9%

Fiscal Research Division  
February 2019

## Average Daily Membership, cont'd

### 2) Rural vs. Urban ADM changes over time, cont'd

## Change between 2013-14 and 2018-19



Source: NC Department of Public Instruction

## Average Daily Membership, cont'd

### 2) Rural vs. Urban ADM changes over time, cont'd

#### Projected Population Change in North Carolina Counties: 2010-2020

County	Total Population		Population Change		Components of Change			
	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Alamance	151,198	171,207	20,009	13.2	18,854	16,678	2,176	17,833
Alexander	37,192	38,689	1,497	4.0	3,728	4,012	-284	1,781
Alleghany	11,154	11,622	468	4.2	1,020	1,457	-437	905
Anson	26,928	25,458	-1,470	-5.5	2,603	3,079	-476	-994
Ashe	27,238	27,842	604	2.2	2,390	3,550	-1,160	1,764
Avery	17,806	17,923	117	0.7	1,452	2,072	-620	737
Beaufort	47,763	47,363	-400	-0.8	4,924	6,222	-1,298	898
Bertie	21,280	19,582	-1,698	-8.0	1,929	2,672	-743	-955
Bladen	35,182	33,881	-1,301	-3.7	3,653	4,268	-615	-686
Brunswick	107,431	143,157	35,726	33.3	10,831	14,097	-3,266	38,992
Buncombe	238,328	268,690	30,362	12.7	26,513	26,556	-43	30,405
Burke	90,838	92,610	1,772	2.0	9,157	10,694	-1,537	3,309
Cabarrus	178,086	217,144	39,058	21.9	25,473	15,883	9,590	29,468
Caldwell	83,047	84,308	1,261	1.5	8,359	9,712	-1,353	2,614

County	Total Population		Population Change		Components of Change			
	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Camden	9,980	10,499	519	5.2	966	850	116	403
Carteret	66,463	71,582	5,119	7.7	6,178	8,370	-2,192	7,311
Caswell	23,748	23,300	-448	-1.9	2,145	2,829	-684	236
Catawba	154,758	159,183	4,425	2.9	17,942	16,840	1,102	3,323
Chatham	63,479	78,040	14,561	22.9	6,696	7,210	-514	15,075
Cherokee	27,441	29,939	2,498	9.1	2,380	3,850	-1,470	3,968
Chowan	14,793	13,926	-867	-5.9	1,505	1,974	-469	-398
Clay	10,591	11,966	1,375	13.0	921	1,510	-589	1,964
Cleveland	98,030	99,151	1,121	1.1	11,116	11,988	-872	1,993
Columbus	58,107	56,475	-1,632	-2.8	6,359	7,324	-965	-667
Craven	103,503	103,588	85	0.1	15,368	10,930	4,438	-4,353
Cumberland	319,433	329,167	9,734	3.0	56,904	25,844	31,060	-21,326
Currituck	23,547	28,633	5,086	21.6	2,664	2,320	344	4,742
Dare	33,920	38,055	4,135	12.2	3,683	3,291	392	3,743
Davidson	162,833	169,834	7,001	4.3	18,310	17,892	418	6,583
Davie	41,221	44,209	2,988	7.2	4,100	4,537	-437	3,425
Duplin	58,404	59,234	830	1.4	7,615	5,793	1,822	-992

	Total Population		Population Change		Components of Change			
County	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Durham	269,984	320,933	50,949	18.9	44,081	20,479	23,602	27,347
Edgecombe	56,545	52,696	-3,849	-6.8	6,425	6,597	-172	-3,677
Forsyth	350,674	385,208	34,534	9.8	46,680	33,530	13,150	21,384
Franklin	60,558	69,883	9,325	15.4	7,245	5,896	1,349	7,976
Gaston	206,117	224,998	18,881	9.2	26,271	23,317	2,954	15,927
Gates	12,186	12,125	-61	-0.5	1,129	1,301	-172	111
Graham	8,861	8,763	-98	-1.1	910	1,145	-235	137
Granville	57,522	63,304	5,782	10.1	5,966	5,665	301	5,481
Greene	21,359	21,301	-58	-0.3	2,220	2,064	156	-214
Guilford	488,418	544,715	56,297	11.5	63,647	43,832	19,815	36,482
Halifax	54,634	51,026	-3,608	-6.6	6,026	6,910	-884	-2,724
Harnett	114,697	138,192	23,495	20.5	19,003	9,908	9,095	14,400
Haywood	59,034	63,950	4,916	8.3	6,059	7,875	-1,816	6,732
Henderson	106,705	120,500	13,795	12.9	11,183	14,727	-3,544	17,339
Hertford	24,671	24,041	-630	-2.6	2,412	3,035	-623	-7
Hoke	46,889	58,797	11,908	25.4	9,520	3,275	6,245	5,663
Hyde	5,817	5,398	-419	-7.2	475	636	-161	-258



County	Total Population		Population Change		Components of Change			
	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Iredell	159,462	185,517	26,055	16.3	19,309	15,823	3,486	22,569
Jackson	40,276	45,545	5,269	13.1	4,063	3,904	159	5,110
Johnston	168,872	209,403	40,531	24.0	24,265	14,177	10,088	30,443
Jones	10,166	10,100	-66	-0.6	1,026	1,329	-303	237
Lee	57,858	60,793	2,935	5.1	8,164	5,846	2,318	617
Lenoir	59,518	57,004	-2,514	-4.2	6,798	7,538	-740	-1,774
Lincoln	77,966	87,395	9,429	12.1	8,297	8,045	252	9,177
Macon	33,917	37,160	3,243	9.6	3,576	4,739	-1,163	4,406
Madison	20,789	23,069	2,280	11.0	2,026	2,513	-487	2,767
Martin	24,512	23,076	-1,436	-5.9	2,597	3,376	-779	-657
McDowell	44,996	46,800	1,804	4.0	4,751	5,355	-604	2,408
Mecklenburg	919,650	1,138,473	218,823	23.8	148,322	61,885	86,437	132,386
Mitchell	15,576	15,243	-333	-2.1	1,484	2,216	-732	399
Montgomery	27,784	28,085	301	1.1	3,214	2,979	235	66
Moore	88,246	102,838	14,592	16.5	10,905	11,752	-847	15,439
Nash	95,829	95,616	-213	-0.2	11,256	10,700	556	-769
New Hanover	202,683	241,782	39,099	19.3	23,540	19,481	4,059	35,040

County	Total Population		Population Change		Components of Change			
	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Northampton	22,101	20,453	-1,648	-7.5	2,005	2,904	-899	-749
Onslow	177,799	203,464	25,665	14.4	41,715	10,810	30,905	-5,240
Orange	133,688	147,451	13,763	10.3	12,527	8,384	4,143	9,620
Pamlico	13,143	13,311	168	1.3	952	1,694	-742	910
Pasquotank	40,661	39,811	-850	-2.1	5,082	4,052	1,030	-1,880
Pender	52,198	64,820	12,622	24.2	6,486	5,599	887	11,735
Perquimans	13,453	13,855	402	3.0	1,324	1,746	-422	824
Person	39,472	40,273	801	2.0	4,412	4,502	-90	891
Pitt	168,166	182,401	14,235	8.5	21,658	13,124	8,534	5,701
Polk	20,520	21,760	1,240	6.0	1,547	3,046	-1,499	2,739
Randolph	141,801	144,344	2,543	1.8	16,503	14,952	1,551	992
Richmond	46,642	44,866	-1,776	-3.8	5,587	5,667	-80	-1,696
Robeson	134,233	129,446	-4,787	-3.6	18,736	13,653	5,083	-9,870
Rockingham	93,631	90,980	-2,651	-2.8	9,713	11,657	-1,944	-707
Rowan	138,518	144,278	5,760	4.2	16,209	15,892	317	5,443
Rutherford	67,816	69,706	1,890	2.8	7,196	8,886	-1,690	3,580
Sampson	63,469	64,307	838	1.3	8,648	6,927	1,721	-883

	Total Population		Population Change		Components of Change			
County	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Scotland	36,157	35,821	-336	-0.9	4,737	4,225	512	-848
Stanly	60,586	64,384	3,798	6.3	6,995	7,110	-115	3,913
Stokes	47,417	46,595	-822	-1.7	4,270	5,471	-1,201	379
Surry	73,748	73,117	-631	-0.9	7,823	9,029	-1,206	575
Swain	13,981	15,129	1,148	8.2	2,006	1,934	72	1,076
Transylvania	33,087	35,777	2,690	8.1	2,899	4,475	-1,576	4,266
Tyrrell	4,407	4,309	-98	-2.2	450	487	-37	-61
Union	201,349	242,474	41,125	20.4	26,198	14,136	12,062	29,063
Vance	45,419	45,207	-212	-0.5	5,857	5,203	654	-866
Wake	901,059	1,119,165	218,106	24.2	131,123	53,886	77,237	140,869
Warren	21,024	20,052	-972	-4.6	1,934	2,515	-581	-391
Washington	13,214	12,072	-1,142	-8.6	1,376	1,651	-275	-867
Watauga	51,064	60,096	9,032	17.7	3,856	3,655	201	8,831
Wayne	122,646	126,560	3,914	3.2	17,087	12,481	4,606	-692
Wilkes	69,303	70,494	1,191	1.7	7,130	8,276	-1,146	2,337
Wilson	81,230	82,836	1,606	2.0	9,943	8,887	1,056	550
Yadkin	38,409	38,944	535	1.4	4,105	4,438	-333	868

County	Total Population		Population Change		Components of Change			
	April 2010 Estimate Base	July 2020 Projection	Numeric	Percent	Births	Deaths	Natural Increase	Net Migration
Yancey	17,817	18,461	644	3.6	1,805	2,337	-532	1,176
State	9,535,721	10,647,005	1,111,284	11.7	1,248,478	909,850	338,628	772,656
Source: North Carolina OSBM, Standard Population Estimates, Vintage 2017 and Population Projections, Vintage 2018								

## Student Demographics

### 1) Student Identification within LEAs and Charter Schools by race/ethnicity

	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
<b>LEAs</b>										
Indian	20,358	20,056	21,255	20,355	20,132	20,048	19,862	19,337	18,775	17,961
Asian	35,140	36,490	35,243	36,410	38,103	39,887	41,355	43,101	45,543	47,522
Hispanic	152,605	157,027	180,410	193,137	205,427	214,418	228,695	238,747	248,628	256,848
Black	444,870	440,385	376,548	375,746	375,661	375,672	374,962	370,866	366,723	361,746
White	774,967	764,204	756,286	750,065	746,006	736,120	727,489	713,532	699,490	686,652
Pacific Island			1,070	1,127	1,220	1,693	1,839	1,798	1,893	1,956
<b>Charters Schools</b>										
Indian	397	422	443	439	465	529	588	666	667	696
Asian	690	789	831	979	1,247	1,717	2,291	2,790	3,238	3,666
Hispanic	1,496	1,636	2,344	2,653	3,178	3,845	5,374	6,930	8,519	10,375
Black	11,336	12,061	11,296	12,104	13,244	14,979	18,566	21,776	24,196	26,528
White	21,833	23,900	25,994	27,660	30,400	35,102	41,096	47,260	51,614	57,456
Pacific Island			26	31	35	57	125	199	158	154
Source: NC Department of Public Instruction Statistical Profile										

## Student Demographics, cont'd

2) LEA and Charter School student populations by gender

	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
<b>LEAs</b>										
Male	728,720	723,643	727,799	732,199	737,364	740,542	743,756	740,937	739,145	736,972
Female	699,240	694,519	696,756	697,417	701,429	702,200	703,180	701,478	699,430	696,274
<b>Charters Schools</b>										
Male	17,500	19,034	20,624	22,403	24,879	29,142	35,216	41,503	46,374	51,890
Female	18,252	19,774	21,517	22,985	25,181	29,165	35,028	41,227	46,150	51,736
Source: NC Department of Public Instruction Statistical Profile										

## Allotments

1) Changes in funding formulas and accompanying personnel changes for:

- a) Central Office Allotment
- b) Instructional Support
- c) Teacher Assistants

The funding formula for teacher assistants changed significantly from what it was in 2008-09. It is important to note that the FTE shown in these tables are employees funded across all State allotments. For examples, TAs funded out of the Low Wealth or Small County allotments are included in this total figure.

Central Office experienced a number of direct funding reductions in the State's budget during this span; as a result, LEAs began picking up more of the central office FTE within their local budgets.

		Central Office	Instructional Support	Teacher Assistants
FY 2008-09	State Formula	Frozen at 2002 Level	1 per 200.10 in ADM	\$1,083 per K-3 ADM
	State FTE	1,064	10,629	22,502
	Local FTE	696	2,901	3,211
	Federal FTE	108	1,020	4,289
	Total FTE	1,868	14,550	30,002
FY 2018-19	State Formula	Frozen at 2002 Level	1 per 218.55 in ADM	Dollar equivalent of TAs based on class-size ratios
	State FTE	909	11,348	15,446
	Local FTE	955	3,815	1,931
	Federal FTE	128	1,349	4,045
	Total FTE	1,992	16,512	21,422

## **Allotments**

2) PED [Report Number 2016-11](#) "Allotment-Specific and System-Level Issues Adversely Affect North Carolina's Distribution of K-12 Resources," Exhibit 2 (Page 10). Data current as of FY 2015 – see Appendix A.

## **Benefits**

1) Example of matching benefits associated with a teacher salary

Salary: \$48,492

Social Security: \$3,701

Retirement: \$9,146

Medical: \$6,104

Total matching benefits: \$18,959 (39% of example salary)

## **Outstanding Information Requests:**






























1) Birth rates for poor vs. affluent residents

2) Changes to the Perkins Act which affect North Carolina public schools.




## Exhibit 2: North Carolina's Resource Allocation System Distributes Dollars and Positions Using 37 Different Allotments

### State Allotments – 37 Total \$8.4 Billion Allotted in 2014–15 School Year


Base Allotments	Grant/Application		Student Characteristics	LEA Characteristics	
Used to procure the materials, staffing, contracts, and services meant to support all students and district-wide activities.	Provide funding in various categories. Require an application and selection process.		Provide funding to LEAs for populations of students with certain characteristics.	Provide funding to LEAs based on district size or wealth.	
<div>PRC: 001</div> <div>Classroom Teachers</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 025</div> <div>Indian Gaming Fund</div> <div>No. LEA Received: 32</div> <div></div>	<div>PRC: 029</div> <div>Behavioral Support</div> <div>No. LEA Received: 114</div> <div></div>	<div>PRC: 043</div> <div>Child &amp; Family Support</div> <div>Teams: Social Workers</div> <div>No. LEA Received: 21</div> <div></div>	<div>PRC: 024</div> <div>Disadvantaged Student</div> <div>Supplemental Funding</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 019</div> <div>Small County</div> <div>Supplemental Funding</div> <div>No. LEA Received: 27</div> <div></div>
<div>PRC: 002</div> <div>Central Administration</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 027</div> <div>Teacher Assistants</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 030</div> <div>Digital Learning</div> <div>No. LEA Received: 47</div> <div></div>	<div>PRC: 055</div> <div>Learn and Earn</div> <div>No. LEA Received: 64</div> <div></div>	<div>PRC: 032</div> <div>Children w/ Special Needs</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 031</div> <div>Low Wealth</div> <div>No. LEA Received: 78</div> <div></div>
<div>PRC: 003</div> <div>Non-instructional Support</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 034</div> <div>Academically &amp; Intellectually Gifted</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 039</div> <div>School Resource Officer</div> <div>No. LEA Received: 52</div> <div></div>	<div>PRC: 066</div> <div>Assistant Principal</div> <div>Interns: Principal Fellows</div> <div>No. LEA Received: 20</div> <div></div>	<div>PRC: 054</div> <div>Limited English Proficiency</div> <div>No. LEA Received: 101</div> <div></div>	
<div>PRC: 005</div> <div>School Building Administration</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 036</div> <div>Charter Schools</div> <div>No. Received: 149</div> <div></div>	<div>PRC: 040</div> <div>After School Quality Improvement Grant</div> <div>No. LEA Received: 15</div> <div></div>	<div>PRC: 067</div> <div>Assistant Principal</div> <div>Interns: MSA Students</div> <div>No. LEA Received: 16</div> <div></div>	<div>PRC: 069</div> <div>At Risk Student Services/ Alternative Schools</div> <div>No. LEA Received: 115</div> <div></div>	
<div>PRC: 007</div> <div>Instructional Support</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 056</div> <div>Transportation</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 041</div> <div>Panic Alarms Improvement Grant</div> <div>No. LEA Received: 63</div> <div></div>	<div>PRC: 042</div> <div>Child and Family Support Teams: Nurses</div> <div>No. LEA Received: 21</div> <div></div>	<div>PRC: 063</div> <div>Children with Special Needs: Special Funds</div> <div>No. LEA Received: 87</div> <div></div>	
<div>PRC: 012</div> <div>Driver Training</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 061</div> <div>Classroom Materials &amp; Instructional Supplies</div> <div>No. LEA Received: 115</div> <div></div>				
<div>PRC: 013</div> <div>Career &amp; Tech Ed (Employment)</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 073</div> <div>School Connectivity</div> <div>No. LEA Received: 115</div> <div></div>				
<div>PRC: 014</div> <div>Career &amp; Tech Ed (Program Support)</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 085</div> <div>mClass Reading 3D</div> <div>No. LEA Received: 78</div> <div></div>				
<div>PRC: 015</div> <div>School Technology Fund</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 120</div> <div>LEA Financed Purchase of School Buses</div> <div>No. LEA Received: 94</div> <div></div>				
<div>PRC: 016</div> <div>Summer Reading Camps</div> <div>No. LEA Received: 115</div> <div></div>	<div>PRC: 130</div> <div>Textbooks</div> <div>No. LEA Received: 115</div> <div></div>				

Resource Type

Position Allotment



Dollar Allotment



#### Resource Type

Position  
Allotment



Dollar  
Allotment



Note: The exhibit includes carryover funds from Fiscal Year 2014–15 for the Indian Gaming allotment, which is why only 32 LEAs received funds through PRC 025. 2015–16 Indian Gaming funds were provided as part of the Textbook allotment. PRC 055 provides funds for the Cooperative Innovate High Schools program.

Source: Program Evaluation Division based on a review of documentation provided by DPI.