



NORTH CAROLINA
State Board of Education
Department of Public Instruction

Report to the North Carolina General Assembly

Advanced Courses in Mathematics

G.S. 115C-81.36

Date Due: December 15, 2022
DPI Chronological Schedule, 2022-2023

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Report to the North Carolina General Assembly on Advanced Courses in Mathematics, per G.S. 115C-81.36.(c)

G.S. 115C-81.36 directs that, when practicable, local boards of education shall offer advanced learning opportunities in mathematics in grades three through five, and advanced courses in mathematics in all grades six and higher. When advanced courses are offered in mathematics in grades six and higher, any student scoring at the highest level on the end-of-grade or end-of-course test for the mathematics course in which the student was most recently enrolled shall be enrolled in the advanced course for the next mathematics course in which the student is enrolled. For example, a student in seventh grade scoring at the highest level on the seventh-grade mathematics end-of-grade test shall be enrolled in a high school level mathematics course in eighth grade.

In accordance with the legislation, the NC Department of Public Instruction (NCDPI) shall submit a report to the Joint Legislative Education Oversight Committee containing data collected for the current school year on the number and demographics of students who were *eligible* for advanced mathematics courses under this section, including high school level mathematics courses in eighth grade, and of those students, the number and demographics of those who *were placed* in advanced mathematics courses and *were not placed* in advanced mathematics courses. Finally, the report shall include information on the type and format of advanced mathematics courses provided and shall also include any feedback provided by local boards of education on the implementation of G.S. 115C-81.36.

To comply with this legislation, NCDPI extracted enrollment data for all students in grades six and higher who were *eligible* for advanced courses from the NC Student Information System (SIS) for all Local Education Agencies (LEAs). To support this data collection, all LEAs were required to run the AMC report within the PowerSchool system. During the reporting period, LEAs had the opportunity to review and verify the data contained in the report, and if applicable, use a new reporting override feature to manage any data corrections for students deemed to be either missing from the report, or erroneously reported as not placed in an advanced mathematics course before approving the report.

The data tables below respond to the legislated requirements, documenting the *eligible* students who were either *placed or not placed*, by sex and then by ethnicity/race. Additionally, NCDPI has provided a detailed view of the demographic information, including sex, race/ethnic group, migrant status, homeless status, English Learner status, Academically or Intellectually Gifted (AIG) status, and Exceptional Children (EC) status for all *eligible* students placed and not placed listed by PSU. Note that the data tables do not represent comprehensive enrollment in advanced mathematics courses, rather, the information reflects those students who scored at the highest level on an end of grade or end of course mathematics assessment

and are therefore eligible for advanced mathematics course enrollment as outlined in the legislation.

At the end of the report, NCDPI provides conclusion statements drawn from the data.

Table 1: Number and percent of students in grades 6 - 13 placed and not placed in an advanced mathematics course during the 2022-2023 school year by sex who scored at the highest level on an approved mathematics assessment in the previous school year.

<i>Placed in Course by Sex</i>	<i># of students Placed</i>	<i># of students who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students Placed</i>
Female	20,728	22,558	92%
Male	24,275	26,596	91%
Total	45,003	49,154	92%

<i>Not Placed in Course by Sex</i>	<i># of students Not Placed</i>	<i># of students who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students Not Placed</i>
Female	1,830	22,558	8%
Male	2,321	26,596	9%
Total	4,151	49,154	8%

Table 2: Number and percent of students in grades 6 - 13 placed and not placed in an advanced mathematics course during the 2022-2023 school year by ethnicity/race who scored at the highest level on an approved mathematics assessment in the previous school year.

<i>Placed in Course by Ethnicity/Race</i>	<i># of students Placed</i>	<i># of students who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students Placed</i>
American Indian or Alaska Native	121	156	78%
Asian	7,100	7,541	94%

Black or African American	2,583	2,919	88%
Hispanic or Latino	4,236	4,713	90%
Native Hawaiian/Other Pacific Islander	55	60	92%
Two or More	1,915	2,136	90%
White	28,993	31,629	92%
Total	45,003	49,154	92%

<i>Not Placed in Course by Ethnicity/Race</i>	<i># of students Not Placed</i>	<i># of students who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students Not Placed</i>
American Indian or Alaska Native	35	156	22%
Asian	441	7,541	6%
Black or African American	336	2,919	12%
Hispanic or Latino	477	4,713	10%
Native Hawaiian/Other Pacific Islander	5	60	8%
Two or More	221	2,136	10%
White	2,636	31,629	8%
Total	4,151	49,154	8%

Table 3: Number and percent of students in grade 8 placed and not placed in an advanced mathematics course during the 2022-2023 school year by sex who scored at the highest level on an approved mathematics assessment in the previous school year.

<i>Placed in Course by Sex</i>	<i># of students in grade 8 Placed</i>	<i># of students in grade 8 who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students in grade 8 Placed</i>
Female	4,185	4,312	97%
Male	5,195	5,342	97%
Total	9,381	9,654	97%

<i>Not Placed in Course by Sex</i>	<i># of students in grade 8 Not Placed</i>	<i># of students in grade 8 who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students in grade 8 Not Placed</i>
Female	127	4,312	3%
Male	146	5,342	3%
Total	273	9,654	3%

Table 4: Number and percent of students in grade 8 placed and not placed in an advanced mathematics course during the 2022-2023 school year by ethnicity/race who scored at the highest level on an approved mathematics assessment in the previous school year.

<i>Placed in Course by Ethnicity/Race</i>	<i># of students in grade 8 Placed</i>	<i># of students in grade 8 who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students in grade 8 Placed</i>
American Indian or Alaska Native	37	40	93%
Asian	1,638	1664	98%
Black or African American	499	515	97%
Hispanic or Latino	848	881	96%
Native Hawaiian/Other Pacific Islander	12	13	92%
Two or More	380	395	96%
White	5,967	6146	97%
Total	9,381	9654	97%

<i>Not Placed in Course by Ethnicity/Race</i>	<i># of students in grade 8 Not Placed</i>	<i># of students who scored at the highest level on an approved math assessment by subgroup</i>	<i>% of students in grade 8 Not Placed</i>
American Indian or Alaska Native	<10	40	8%
Asian	26	1664	2%
Black or African American	16	515	3%
Hispanic or Latino	33	881	4%

Native Hawaiian/Other Pacific Islander	<10	13	8%
Two or More	15	395	4%
White	179	6146	3%
Total	273	9654	3%

Table 5: Advanced courses potentially available across PSUs for students in grades 6-13.

Course Title	
Advanced Math 6	MAT263 Brief Calculus
Advanced Math 7	MAT271 Calculus I
Middle School NC Math 1	MAT272 Calculus II
NC Math 1 Honors	MAT273 Calculus III
Middle School NC Math 2	MAT280 Linear Algebra
NC Math 2 Honors	MAT285 Differential Equations
Middle School NC Math 3	MAT141 Mathematical Concepts
NC Math 3 Honors	MAT167 Discrete Mathematics
Discrete Mathematics for Comp Sci Honors	IB Computer Science HL
Pre-Calculus	IB Mathematical Studies SL
NC Math 4 Honors	IB Mathematics SL
AP Calculus AB	IB Math: Analysis and Approaches SL
AP Calculus BC	IB Math: Analysis and Approaches HL
AP Computer Science	IB Math: Applications & Interpret. SL
AP Statistics	IB Math: Applications & Interpret. HL
MAT143 Quantitative Literacy	University Math Course
MAT152 Statistical Methods I	Univ 300/Higher Math Course
MAT171 Precalculus Algebra	CIE Math Probability & Statistics AS
MAT172 Precalculus Trigonometry	CIE Math Probability & Statistics A

Table 6: Detailed summary by LEA of eligible students who score at the highest level on an approved math assessment in the previous school year, either placed or not placed in an advanced mathematics course.

Note: These numbers do not represent comprehensive advanced mathematics course enrollment.

PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
010	Alamance-Burlington Schools	Placed	258	270	<10	28	38	82	*	26	353	<10	*	<10	410	<10
010	Alamance-Burlington Schools	Not placed	<10	<10	*	<10	<10	*	*	*	<10	*	*	*	<10	*
020	Alexander County Schools	Placed	61	68	*	<10	<10	12	*	<10	106	*	*	*	70	*
020	Alexander County Schools	Not placed	13	31	*	<10	<10	<10	*	<10	36	*	*	*	23	*
030	Allegheny County Schools	Placed	12	12	*	<10	*	<10	<10	*	19	<10	*	*	15	*
030	Allegheny County Schools	Not placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	<10	*
040	Anson County Schools	Placed	<10	<10	*	<10	<10	<10	*	<10	<10	*	*	*	14	*
040	Anson County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
050	Ashe County Schools	Placed	47	74	*	<10	*	12	*	<10	103	*	*	*	80	<10
050	Ashe County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
060	Avery County Schools	Placed	14	15	*	<10	*	<10	*	<10	25	*	*	*	11	*
060	Avery County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
070	Beaufort County Schools	Placed	73	91	*	<10	<10	37	*	<10	112	*	*	*	133	<10
070	Beaufort County Schools	Not placed	<10	*	*	*	<10	*	*	*	*	*	*	*	<10	*
080	Bertie County Schools	Placed	<10	<10	*	*	<10	*	*	*	*	*	*	*	*	<10
080	Bertie County Schools	Not placed	<10	<10	*	*	<10	*	*	*	*	*	*	*	<10	<10
090	Bladen County Schools	Placed	<10	16	*	*	<10	<10	*	<10	16	*	*	*	15	<10
090	Bladen County Schools	Not placed	<10	<10	*	*	<10	<10	*	*	<10	*	*	*	<10	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
100	Brunswick County Schools	Placed	167	221	*	<10	15	47	*	18	299	<10	<10	*	268	<10
100	Brunswick County Schools	Not placed	<10	<10	*	*	*	<10	*	<10	<10	*	*	*	<10	*
110	Buncombe County Schools	Placed	371	423	<10	23	<10	84	<10	26	652	<10	*	*	569	<10
110	Buncombe County Schools	Not placed	28	30	*	<10	<10	<10	*	*	45	<10	*	*	25	<10
111	Asheville City Schools	Placed	28	30	*	<10	<10	*	*	<10	48	*	*	*	45	*
111	Asheville City Schools	Not placed	15	17	*	*	*	<10	*	<10	28	*	*	*	26	*
120	Burke County Schools	Placed	185	196	*	33	<10	48	*	13	282	<10	*	*	348	<10
120	Burke County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
130	Cabarrus County Schools	Placed	615	673	<10	324	115	104	<10	57	678	<10	*	*	719	12
130	Cabarrus County Schools	Not placed	354	401	<10	236	61	44	<10	37	373	<10	*	*	493	11

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
132	Kannapolis City Schools	Placed	24	24	*	<10	<10	15	*	<10	26	*	*	*	45	*
132	Kannapolis City Schools	Not placed	<10	*	*	*	*	*	*	*	<10	*	*	*	<10	*
140	Caldwell County Schools	Placed	90	121	*	<10	<10	13	*	<10	184	*	*	*	166	<10
140	Caldwell County Schools	Not placed	<10	<10	*	<10	*	<10	*	*	14	*	*	*	15	*
150	Camden County Schools	Placed	19	21	*	<10	*	<10	*	<10	35	*	*	*	25	<10
150	Camden County Schools	Not placed	16	<10	*	<10	<10	*	*	<10	19	*	*	*	12	*
160	Carteret County Public Schools	Placed	174	199	<10	12	<10	19	<10	12	325	<10	*	*	234	<10
160	Carteret County Public Schools	Not placed	20	29	*	<10	<10	<10	*	<10	40	*	*	*	17	<10
170	Caswell County Schools	Placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
170	Caswell County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
180	Catawba County Schools	Placed	310	349	*	50	<10	84	<10	30	485	*	*	*	335	<10
180	Catawba County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
181	Hickory City Schools	Placed	56	66	*	<10	<10	26	*	<10	80	*	*	*	81	<10
181	Hickory City Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
182	Newton Conover City Schools	Placed	43	44	*	<10	<10	20	*	<10	50	*	*	*	57	*
182	Newton Conover City Schools	Not placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	<10	*
190	Chatham County Schools	Placed	142	193	*	<10	13	48	*	11	254	<10	<10	*	280	<10
190	Chatham County Schools	Not placed	<10	<10	*	<10	*	<10	*	*	<10	<10	*	*	<10	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
200	Cherokee County Schools	Placed	22	16	*	*	*	<10	*	<10	31	*	*	*	23	*
200	Cherokee County Schools	Not placed	<10	<10	*	<10	*	<10	*	*	16	*	*	*	12	<10
210	Edenton-Cowan Schools	Placed	22	17	*	<10	<10	<10	*	<10	25	<10	*	*	23	<10
210	Edenton-Cowan Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
220	Clay County Schools	Placed	<10	<10	*	*	*	<10	*	*	11	*	*	*	<10	<10
220	Clay County Schools	Not placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	<10	*
230	Cleveland County Schools	Placed	212	246	*	<10	42	19	*	18	372	*	*	*	304	<10
230	Cleveland County Schools	Not placed	34	40	*	*	<10	<10	*	<10	60	*	*	*	51	<10
240	Columbus County Schools	Placed	<10	<10	*	*	<10	<10	*	*	12	*	*	*	<10	*
240	Columbus County Schools	Not placed	15	16	<10	*	<10	<10	*	*	23	<10	*	*	25	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
241	Whiteville City Schools	Placed	<10	<10	*	<10	<10	*	*	*	14	*	*	*	12	*
241	Whiteville City Schools	Not placed	<10	12	*	*	<10	<10	*	<10	11	<10	*	*	11	*
250	Craven County Schools	Placed	109	134	<10	20	<10	25	<10	24	162	<10	*	*	174	<10
250	Craven County Schools	Not placed	13	12	*	<10	<10	<10	<10	<10	15	*	*	*	13	<10
260	Cumberland County Schools	Placed	404	437	<10	105	150	110	<10	76	390	<10	*	*	642	<10
260	Cumberland County Schools	Not placed	12	17	*	<10	<10	<10	*	<10	<10	*	*	*	11	<10
270	Currituck County Schools	Placed	46	71	*	<10	<10	<10	<10	<10	97	*	*	*	74	*
270	Currituck County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
280	Dare County Schools	Placed	75	78	*	<10	*	<10	*	<10	136	*	*	*	109	<10
280	Dare County Schools	Not placed	23	18	*	*	*	<10	*	<10	36	*	*	*	20	<10

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Ot her Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
29 0	Davidson County Schools	Placed	260	290	<10	17	12	52	*	14	452	*	*	*	434	<10
29 0	Davidson County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	<10
29 1	Lexington City Schools	Placed	11	14	*	<10	<10	<10	*	<10	<10	<10	*	*	21	<10
29 1	Lexington City Schools	Not placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	<10	<10
29 2	Thomasville City Schools	Placed	<10	12	*	*	<10	<10	*	<10	<10	*	*	*	14	*
29 2	Thomasville City Schools	Not placed	<10	*	*	*	*	<10	*	*	*	*	*	*	<10	*
30 0	Davie County Schools	Placed	122	173	*	<10	<10	21	*	<10	256	*	*	*	227	<10
30 0	Davie County Schools	Not placed	<10	16	*	<10	<10	<10	*	<10	14	*	*	*	<10	*
31 0	Duplin County Schools	Placed	46	49	*	*	<10	27	*	<10	61	*	*	*	70	<10
31 0	Duplin County Schools	Not placed	<10	<10	*	*	<10	<10	*	*	<10	*	*	*	<10	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
320	Durham Public Schools	Placed	334	387	<10	40	87	99	*	53	440	<10	*	*	550	20
320	Durham Public Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
330	Edgecombe County Public Schools	Placed	<10	14	*	<10	<10	<10	*	<10	13	<10	*	*	<10	*
330	Edgecombe County Public Schools	Not placed	12	<10	*	*	<10	<10	*	*	<10	<10	*	*	11	*
340	Winston Salem / Forsyth County Schools	Placed	730	815	<10	168	82	160	<10	63	1069	<10	*	*	1120	<10
340	Winston Salem / Forsyth County Schools	Not placed	25	22	*	<10	<10	<10	*	<10	26	<10	*	*	15	<10
350	Franklin County Schools	Placed	28	51	*	<10	<10	<10	*	<10	55	*	*	*	51	<10
350	Franklin County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
360	Gaston County Schools	Placed	448	527	*	51	76	122	<10	46	679	<10	*	*	615	11
360	Gaston County Schools	Not placed	20	18	*	<10	<10	<10	*	<10	27	<10	*	*	<10	<10
370	Gates County Schools	Placed	13	14	*	*	<10	*	*	<10	20	*	*	*	25	<10
370	Gates County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
380	Graham County Schools	Placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
380	Graham County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
390	Granville County Schools	Placed	19	19	*	<10	<10	<10	*	<10	25	*	*	*	29	*
390	Granville County Schools	Not placed	11	13	*	*	<10	<10	*	<10	14	*	*	*	18	*
400	Greene County Schools	Placed	14	13	*	*	*	13	*	<10	13	*	*	*	20	*
400	Greene County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
410	Guilford County Schools	Placed	813	963	<10	362	215	146	*	87	963	11	*	*	1516	36
410	Guilford County Schools	Not placed	12	11	*	<10	<10	<10	*	*	19	*	*	*	15	<10
420	Halifax County Schools	Placed	*	<10	*	*	<10	*	*	*	*	*	*	*	<10	*
420	Halifax County Schools	Not placed	*	<10	*	*	<10	*	*	*	*	*	*	*	<10	*
421	Roanoke Rapids City Schools	Placed	14	18	*	<10	<10	<10	*	<10	21	*	*	*	28	*
421	Roanoke Rapids City Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
422	Weldon City Schools	Placed	<10	*	*	*	<10	*	*	*	*	*	*	*	*	*
422	Weldon City Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
430	Harnett County Schools	Placed	118	124	<10	<10	28	40	<10	29	138	<10	*	*	179	<10
430	Harnett County Schools	Not placed	<10	12	<10	<10	<10	<10	*	<10	11	*	*	*	11	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
440	Haywood County Schools	Placed	106	126	<10	<10	<10	19	*	<10	202	*	*	*	128	<10
440	Haywood County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
450	Henderson County Schools	Placed	132	140	*	<10	<10	31	*	<10	224	<10	*	*	130	<10
450	Henderson County Schools	Not placed	73	100	*	<10	*	22	*	<10	137	*	*	*	101	<10
460	Hertford County Schools	Placed	<10	<10	*	*	<10	*	*	*	<10	*	*	*	<10	*
460	Hertford County Schools	Not placed	*	<10	*	<10	*	*	*	*	*	*	*	*	<10	*
470	Hoke County Schools	Placed	38	47	<10	<10	20	23	*	<10	31	*	*	*	62	*
470	Hoke County Schools	Not placed	<10	14	<10	*	<10	<10	*	<10	<10	*	*	*	<10	<10
480	Hyde County Schools	Placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	<10	*
480	Hyde County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	*	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
490	Iredell-Stat esville Schools	Placed	318	394	<10	83	20	49	*	42	516	<10	*	*	471	<10
490	Iredell-Stat esville Schools	Not placed	62	94	*	<10	<10	17	*	<10	121	<10	*	*	84	<10
491	Mooreville e Graded School District	Placed	75	100	<10	<10	<10	11	<10	11	138	*	*	*	109	<10
491	Mooreville e Graded School District	Not placed	26	28	*	<10	<10	<10	*	<10	41	*	*	*	30	<10
500	Jackson County Public Schools	Placed	28	45	<10	<10	*	<10	*	<10	58	*	*	*	51	<10
500	Jackson County Public Schools	Not placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	<10	*
510	Johnston County Public Schools	Placed	337	445	<10	27	38	119	*	28	567	<10	*	<10	559	15
510	Johnston County Public Schools	Not placed	16	28	<10	<10	<10	<10	*	*	33	<10	*	*	26	<10

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
520	Jones County Schools	Placed	<10	<10	*	*	<10	<10	*	*	<10	*	*	*	<10	*
520	Jones County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
530	Lee County Schools	Placed	66	88	*	<10	13	44	*	<10	85	<10	*	<10	130	<10
530	Lee County Schools	Not placed	13	11	*	<10	<10	<10	*	<10	14	*	*	*	18	*
540	Lenoir County Public Schools	Placed	35	41	*	<10	<10	15	*	<10	52	*	*	*	71	<10
540	Lenoir County Public Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
550	Lincoln County Schools	Placed	235	256	<10	12	<10	33	*	14	422	*	*	*	364	<10
550	Lincoln County Schools	Not placed	<10	<10	*	*	*	<10	*	*	<10	*	*	*	*	*
560	Macon County Schools	Placed	47	51	*	<10	*	13	*	<10	79	*	*	*	55	*
560	Macon County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
570	Madison County Schools	Placed	13	<10	*	*	*	*	*	*	22	*	*	*	15	*
570	Madison County Schools	Not placed	<10	13	*	*	*	<10	*	<10	19	<10	*	*	14	*
580	Martin County Schools	Placed	<10	<10	*	<10	<10	*	*	*	*	*	*	*	<10	*
580	Martin County Schools	Not placed	<10	<10	<10	*	<10	*	*	*	<10	*	*	*	<10	*
590	McDowell County Schools	Placed	55	57	<10	<10	<10	19	*	<10	87	*	*	*	76	<10
590	McDowell County Schools	Not placed	*	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
600	Charlotte-Mecklenburg Schools	Placed	2684	3022	<10	1308	549	617	<10	158	3058	57	*	*	3559	44
600	Charlotte-Mecklenburg Schools	Not placed	70	100	<10	13	31	22	*	<10	95	<10	*	*	63	<10
610	Mitchell County Schools	Placed	<10	11	*	<10	*	*	*	*	14	*	*	*	15	*
610	Mitchell County Schools	Not placed	<10	<10	*	*	*	*	*	<10	<10	*	*	*	<10	<10

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
620	Montgomery County Schools	Placed	28	45	*	<10	<10	35	*	<10	27	*	*	*	27	*
620	Montgomery County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
630	Moore County Schools	Placed	244	259	<10	13	12	32	<10	26	418	<10	<10	*	332	<10
630	Moore County Schools	Not placed	*	<10	*	*	*	<10	*	*	<10	*	*	*	<10	*
640	Nash County Public Schools	Placed	36	66	*	<10	13	17	*	<10	66	<10	*	*	84	<10
640	Nash County Public Schools	Not placed	<10	13	*	<10	<10	<10	*	*	<10	*	*	*	15	*
650	New Hanover County Schools	Placed	389	486	<10	31	18	60	<10	29	732	<10	*	*	629	23
650	New Hanover County Schools	Not placed	14	11	*	*	<10	<10	*	*	22	*	*	*	13	*
660	Northampton County Schools	Placed	*	<10	*	*	*	*	*	*	<10	*	*	*	*	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
660	Northampton County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
670	Onslow County Schools	Placed	234	280	<10	16	21	75	<10	45	351	<10	*	*	383	11
670	Onslow County Schools	Not placed	<10	20	*	*	<10	<10	*	<10	24	*	*	*	<10	<10
680	Orange County Schools	Placed	115	148	*	<10	<10	21	*	14	213	*	*	*	217	<10
680	Orange County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
681	Chapel Hill-Carrboro City Schools	Placed	497	628	<10	253	23	65	<10	94	688	<10	*	*	889	20
681	Chapel Hill-Carrboro City Schools	Not placed	12	13	*	<10	*	<10	*	*	18	<10	*	*	16	*
690	Pamlico County Schools	Placed	<10	<10	*	*	<10	<10	*	<10	11	*	*	*	<10	*
690	Pamlico County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
700	Elizabeth City-Pasquotank Public Schools	Placed	<10	16	*	<10	<10	<10	*	*	12	*	*	*	13	<10
700	Elizabeth City-Pasquotank Public Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
710	Pender County Schools	Placed	176	189	<10	<10	<10	30	*	21	305	*	*	*	245	<10
710	Pender County Schools	Not placed	11	17	*	*	*	*	*	<10	27	*	*	*	<10	*
720	Perquimans County Schools	Placed	36	24	*	*	<10	<10	*	<10	54	*	*	*	47	*
720	Perquimans County Schools	Not placed	<10	*	*	*	*	*	*	*	<10	*	*	*	*	*
730	Person County Schools	Placed	17	40	*	<10	<10	<10	*	<10	43	*	*	*	38	<10
730	Person County Schools	Not placed	<10	*	*	*	*	*	*	<10	<10	*	*	*	<10	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
740	Pitt County Schools	Placed	449	483	<10	76	116	101	<10	53	584	<10	*	*	673	<10
740	Pitt County Schools	Not placed	<10	12	*	<10	*	<10	*	<10	13	*	*	*	<10	<10
750	Polk County Schools	Placed	29	55	*	*	<10	12	*	<10	66	<10	*	*	62	<10
750	Polk County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
760	Randolph County School System	Placed	100	160	<10	15	<10	35	*	11	194	<10	*	*	219	<10
760	Randolph County School System	Not placed	<10	<10	*	<10	<10	<10	*	*	11	*	*	*	11	*
761	Asheboro City Schools	Placed	<10	15	*	<10	<10	<10	*	*	16	*	*	*	18	<10
761	Asheboro City Schools	Not placed	<10	<10	*	<10	*	<10	*	<10	<10	*	*	*	14	<10
770	Richmond County Schools	Placed	44	52	*	<10	12	13	<10	<10	65	<10	*	*	81	<10

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
770	Richmond County Schools	Not placed	*	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
780	Public Schools of Robeson County	Placed	48	40	27	<10	<10	17	*	<10	29	*	*	*	50	*
780	Public Schools of Robeson County	Not placed	23	33	17	<10	<10	14	*	<10	11	<10	*	*	40	<10
790	Rockingham County Schools	Placed	93	91	<10	*	12	19	*	<10	147	*	*	*	170	<10
790	Rockingham County Schools	Not placed	22	36	*	<10	<10	<10	*	<10	42	<10	*	*	49	<10
800	Rowan-Salisbury Schools	Placed	39	69	*	<10	<10	16	*	<10	85	*	*	*	87	<10
800	Rowan-Salisbury Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
810	Rutherford County Schools	Placed	60	64	*	<10	<10	<10	*	<10	105	*	*	*	106	<10
810	Rutherford County Schools	Not placed	*	<10	*	*	*	*	*	*	<10	*	*	*	*	<10

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
820	Sampson County Schools	Placed	104	111	*	<10	12	43	*	<10	151	<10	*	<10	162	<10
820	Sampson County Schools	Not placed	<10	<10	*	*	<10	<10	*	*	<10	*	*	*	<10	*
821	Clinton City Schools	Placed	34	30	<10	<10	<10	14	*	<10	36	<10	*	*	48	<10
821	Clinton City Schools	Not placed	<10	<10	*	*	*	*	*	<10	<10	*	*	*	<10	*
830	Scotland County Schools	Placed	12	18	<10	<10	<10	<10	*	<10	17	*	*	*	23	<10
830	Scotland County Schools	Not placed	<10	<10	<10	<10	<10	<10	*	<10	<10	*	*	*	14	*
840	Stanly County Schools	Placed	42	38	*	<10	<10	<10	*	<10	61	*	*	*	57	<10
840	Stanly County Schools	Not placed	30	37	*	<10	<10	<10	*	<10	57	*	*	*	55	*
850	Stokes County Schools	Placed	43	68	*	<10	<10	<10	*	<10	104	*	*	*	65	<10
850	Stokes County Schools	Not placed	<10	<10	*	*	<10	<10	*	*	<10	*	*	*	*	<10

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
860	Surry County Schools	Placed	93	99	*	<10	<10	31	*	<10	150	<10	*	*	96	<10
860	Surry County Schools	Not placed	<10	<10	*	*	*	<10	*	*	11	*	*	*	<10	<10
861	Elkin City Schools	Placed	23	20	*	<10	*	<10	*	*	39	*	*	*	33	*
861	Elkin City Schools	Not placed	<10	<10	*	<10	*	<10	*	*	<10	*	*	*	*	*
862	Mount Airy City Schools	Placed	28	44	*	<10	<10	11	*	<10	55	*	*	*	46	*
862	Mount Airy City Schools	Not placed	<10	*	*	*	*	*	*	*	<10	*	*	*	<10	*
870	Swain County Schools	Placed	16	16	<10	<10	*	<10	*	<10	25	*	*	*	25	*
870	Swain County Schools	Not placed	<10	*	*	*	*	*	*	*	<10	*	*	*	<10	*
880	Transylvania County Schools	Placed	40	42	*	*	*	<10	<10	*	76	*	*	*	58	<10
880	Transylvania County Schools	Not placed	<10	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
890	Tyrrell County Schools	Placed	<10	<10	*	*	<10	*	*	*	<10	*	*	*	<10	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
890	Tyrrell County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
900	Union County Public Schools	Placed	1506	1745	<10	699	102	250	<10	125	2069	12	<10	*	2152	23
900	Union County Public Schools	Not placed	52	71	*	<10	<10	19	*	<10	88	<10	*	*	35	<10
910	Vance County Schools	Placed	15	24	*	<10	<10	14	*	<10	<10	*	*	*	24	*
910	Vance County Schools	Not placed	*	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
920	Wake County Schools	Placed	3841	4545	17	2744	342	444	<10	275	4557	60	*	*	5555	123
920	Wake County Schools	Not placed	30	34	*	<10	<10	<10	*	<10	34	*	*	*	25	<10
930	Warren County Schools	Placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
930	Warren County Schools	Not placed	*	<10	*	*	<10	*	*	*	*	*	*	*	<10	*

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PSU	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
940	Washington County Schools	Placed	<10	<10	*	<10	<10	*	*	*	<10	*	*	*	<10	*
940	Washington County Schools	Not placed	<10	<10	*	<10	<10	*	*	*	*	*	*	*	<10	*
950	Watauga County Schools	Placed	136	157	*	<10	<10	12	*	11	257	*	*	*	189	<10
950	Watauga County Schools	Not placed	*	*	*	*	*	*	*	*	*	*	*	*	*	*
960	Wayne County Public Schools	Placed	127	151	*	13	34	66	*	15	150	<10	*	*	183	<10
960	Wayne County Public Schools	Not placed	<10	<10	*	<10	<10	<10	<10	<10	<10	<10	*	*	<10	*
970	Wilkes County Schools	Placed	115	111	*	<10	<10	28	*	<10	185	<10	*	*	159	<10
970	Wilkes County Schools	Not placed	*	<10	*	*	*	*	*	*	<10	*	*	*	<10	*
980	Wilson County Schools	Placed	60	44	*	<10	19	17	<10	<10	54	*	*	*	69	*

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PS U	Name	Placed / Not placed	Female	Male	American Indian or Alaskan Native	Asian	Black or African American	Hispanic or Latino	Native Hawaiian/Other Pacific Islander	Two or More	White	English language status	Homeless status	Migrant status	AIG status	EC status
980	Wilson County Schools	Not placed	43	44	*	<10	13	18	*	<10	46	<10	*	*	53	<10
990	Yadkin County Schools	Placed	53	52	*	<10	*	17	*	<10	85	<10	*	*	76	*
990	Yadkin County Schools	Not placed	<10	13	<10	*	*	<10	*	*	15	*	*	*	14	<10
995	Yancey County Schools	Placed	24	27	*	*	*	<10	*	<10	47	*	*	*	32	*
995	Yancey County Schools	Not placed	11	<10	*	*	*	<10	*	*	17	*	*	*	11	*

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Summary of Findings:

G.S. 115C-81.36 became law on July 11, 2019, with an expectation for full implementation during the 2019-2020 school year. As noted above, the legislation outlined a reporting requirement to share the number and demographic information for all students scoring at the highest level on an end of grade or end of course mathematics assessment, and the same information for those eligible students who were both placed and not placed in an advanced mathematics course in the subsequent school year.

Before full implementation could begin however, the state was impacted by the school closures resulting from the COVID-19 pandemic. As a result, no assessment data was available for the 2019-2020 school year, and the legislation was temporarily revised to ensure PSUs considered all existing data in equitable ways for students as mathematics course placement decisions were made. In addition, there were revisions made to the reporting requirements of the legislation to take into consideration the lack of end of grade and end of course assessment data. Therefore, in December 2020, the report shared with the General Assembly included information regarding the enrollment, by race/ethnic group of all students enrolled in advanced mathematics courses for grades six and higher and all students participating in advanced learning opportunities in grades 3-5. With students returning to on-campus learning during the 2020-21 school year, end of grade and course assessments were once again available, and these data were utilized to determine which students were eligible for enrollment in advanced courses.

As a result, 2021-22 was the first school year in which assessment data from the previous school year was available to review to determine if current course placement was aligned to the legislated requirements. During the 2021-22 school year, more students returned to campuses full time as in person learning resumed.

In the data set for the 2021-22 school year, the following observations are noted:

- During the 2021-22 school year, **49,154** students in grades 6-13, scored at the highest level on either an end of grade or end of course mathematics assessment. *This is an increase of 20,075 exam scores over the previous year.* In alignment with the legislation, these students were then eligible for placement in an advanced mathematics course in the current school year. Of those eligible students:
 - **92%** (45,003) are currently placed in an advanced mathematics course, and
 - **8%** (4,151) are not currently placed in an advanced mathematics course.
 - This represents a slight increase from 2020-21, where 91% were placed and 9% were not placed in advanced mathematics courses.
- Again this year, initial data indicates that the students in the American Indian or Alaska Native population are most frequently missed, or not placed, in advanced mathematics courses.

- In grades 6-13, 22% of American Indian or Alaska Native students are not placed in an advanced course, as compared to counterparts ranging from 6 - 12% not placed. This is an increase from 2020-21, where 19% were not placed, as compared to counterparts ranging from 6-12%. (Counterparts saw a range identical to last year).
- In looking specifically at the 8th grade students, Native Hawaiian or Other Pacific Islander, showed 8% not placed, where American Indian or Alaska Native students were not placed at a rate of 7%, as compared to counterparts, where the not placed range was 2-4%.
- A major focus of the legislation was the guaranteed opportunity for current 8th grade students who scored at the highest level in the previous school year (on the 7th grade end of grade mathematics assessment) to be enrolled in a high school mathematics course during 8th grade. The initial data indicates that the number and percentage of students placed in advanced mathematics is 97%.
 - As stated above however, the ethnic group with the lowest percentage of students placed at grade 8 is the Native Hawaiian or Other Pacific Islander at 92%, followed closely by the American Indian or Alaska Native at 93%. *For the American Indian or Alaska Native student group, this represents a 4% increase from the 2020-21 school year.
- When examining the data by sex, the data indicates that the percent of males and females overall placed in advanced mathematics courses were similar – with 92% of females placed and 91% of males placed. While in 8th grade, male and female students are each placed at 97%.
- In grades 9-13, districts are offering various advanced mathematics courses to meet student needs, interests, and post-secondary plans:
 - Courses are offered in a traditional face to face setting, as well as provided in an online learning environment by the LEA or external partner;
 - Schools are offering a variety of mathematics courses, including Honors, University, Community College, Advanced Placement, International Baccalaureate, and Cambridge;

Next Steps for NCDPI: -

After reviewing and analyzing the Advanced Mathematics Course (AMC) report, NCDPI highlights the following observations and is committed to develop a plan of action to address these observations.

- The higher likelihood of non-placement in advanced math courses for students of American Indian/ Alaska Native descent, as well as other student groups.
- The higher likelihood of all students being not placed in advanced courses at grades 6 and/or 7.

NCDPI will continue to provide professional learning looking at mindsets, policies and practices focused around advanced mathematics opportunities and acceleration as a strategy to meet student needs.

Please contact Sneha Shah-Coltane, Director of Advanced Learning and Gifted Education, at sneha.shahcoltrane@dpi.nc.gov, with issues or questions.