MARYLAND STATE DEPARTMENT OF
EDUCATION
Achievement Matters Most

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TO: Members of the State Board of Education

FROM: Nancy S. Grasmick

DATE: October 26, 2010

SUBJECT: Gap Analysis

PURPOSE:

The purpose of this item is to provide an update on the transition to the Common Core State Standards.

BACKGROUND:

Since the adoption of the Common Core State Standards, MSDE's Division of Instruction has created and shared a transition plan. The first step in the transition process was to review the final version of the Common Core State Standards (CCSS) and compare them to Maryland's State Curriculum. Members of MSDE's Division of Instruction staff invited educators from LEA's and higher education to compare the State Curricula in mathematics and reading/English language arts with the CCSS using the Achieve Common Core Comparison Tool (CCCTool). The information provided by this tool is a roadmap to guide state teams in updating the state curriculum, developing tools for Maryland educators and providing professional development.

EXECUTIVE SUMMARY:

During the months of August and September, educators completed the match and rate process. This information forms the data set and reports that curriculum revision teams will use to create curricular documents and produce and identify materials for the Online Instructional Toolkit.

MATH

The CCCTool for mathematics indicates that 88% of the Common Core math standards matched Maryland math standards; there are 495 Common Core math standards. The strength of the matches is categorized as excellent, good or weak. Twelve percent of the Common Core math standards had no match to Maryland math standards. The math teams will consider the strength of the matched standards as well as those standards that have no match as they develop curricular documents and tools. Grade level differences will be reviewed and appropriate adjustments to the Common Core State Curriculum will be completed by May 2011.

Of the 495 CC math standards, 55 are "+" standards (all in grades 9 – 12). This means that these standards are not required for students to meet the College and Career Readiness standards but represent additional mathematics that students should learn in order to take advanced courses such as calculus, advanced statistics, or discrete mathematics". These + standards are the weakest match between the CC and Maryland math standards with a 42% match. The strongest matches occurred in grades K – 5 where the match was 100%.

Overall, Maryland teams identified the strength of the matches in math:

52% (n=258)   Excellent match
21% (n=103)   Good match
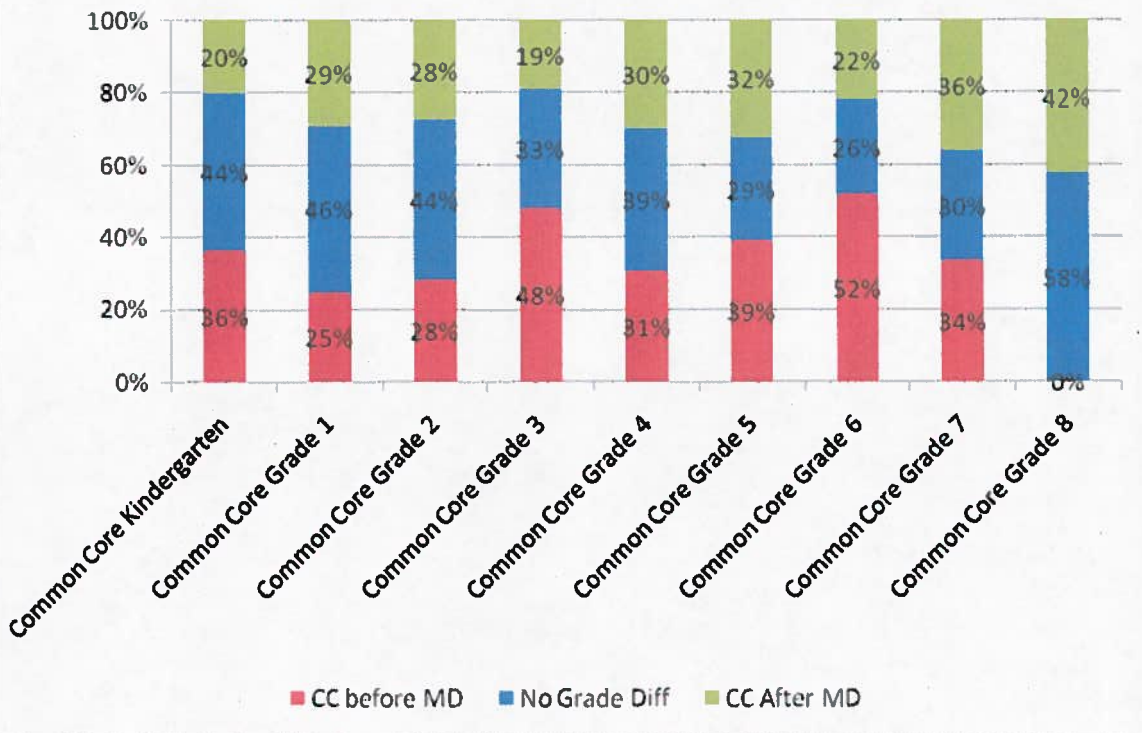15% (n=76)   Weak match
12% (n= 58)   No match

Common Core Math Standards Frequency Table for Maryland

Grade	Total # of CC standards at grade level	Excellent Match to MD	Good Match to MD	Weak Match to MD	No Match to MD
Grand Total	495	258	103	76	58
K-12 Math Practices	8	2	3	3	0
Kindergarten	25	20	4	1	0
Grade 1	21	13	7	1	0
Grade 2	26	21	4	1	0
Grade 3	35	25	10	0	0
Grade 4	35	30	1	4	0
Grade 5	36	23	6	7	0
Grade 6	43	33	4	3	3
Grade 7	43	21	11	4	7
Grade 8	33	19	7	5	2
Grade 9-12 (Total)	190	51	46	47	46
9-12 non "+"	135	43	43	35	14
9-12 "+" standards	55	8	3	12	32

Grade Level Comparisons

This table indicates the percentages of matched standards at the same grade levels. Differences in grade level content have implications for the curriculum revision teams for classroom instruction, assessment, professional development, and curriculum materials.

Where are the Grade level Similarities and Differences Between the Maryland Math Standards and the Common Core Standards in Grades K-8?

	CC before MD	No Grade Diff	CC After MD
Common Core Kindergarten	36%	44%	20%
Common Core Grade 1	25%	46%	29%
Common Core Grade 2	28%	44%	28%
Common Core Grade 3	48%	33%	19%
Common Core Grade 4	31%	39%	30%
Common Core Grade 5	39%	29%	32%
Common Core Grade 6	52%	26%	22%
Common Core Grade 7	34%	30%	36%
Common Core Grade 8	0%	58%	42%

Legend: ■ CC before MD ■ No Grade Diff ■ CC After MD

ENGLISH/LANGUAGE ARTS and LITERACY in HISTORY, SCIENCE and TECHNOLOGY

The CCCTool for English/Language Arts indicates that 89% of the Common Core ELA standards matched Maryland ELA standards; there are 1019 Common Core ELA standards; this includes the College and Career Readiness Anchor Standards and the Literacy in History, Science and Technology Standards.

The strength of the matches is categorized as excellent, good or weak. Eleven percent of the Common Core ELA standards had no match to Maryland ELA standards. The ELA and literacy teams will consider the strength of the matched standards as well as those standards that have no match as they develop curricular documents and tools. Grade level differences will also be reviewed and appropriate adjustments to the Common Core State Curriculum will be completed by May 2011. Most of the ELA matches are on grade level.

The teams reported that writing standards matches present the most differences because the State Curriculum standards are written as process and the CCSS are written as product.

Overall, Maryland teams identified the strength of the matches in ELA*:

50% (n=433)	Excellent match
23% (n=196)	Good match
17% (n=144)	Weak match
11% (n=95)	No match

*The 32 College and Career Readiness Anchor Standards and the Literacy in History, Science and Technology standards are not included in this count.
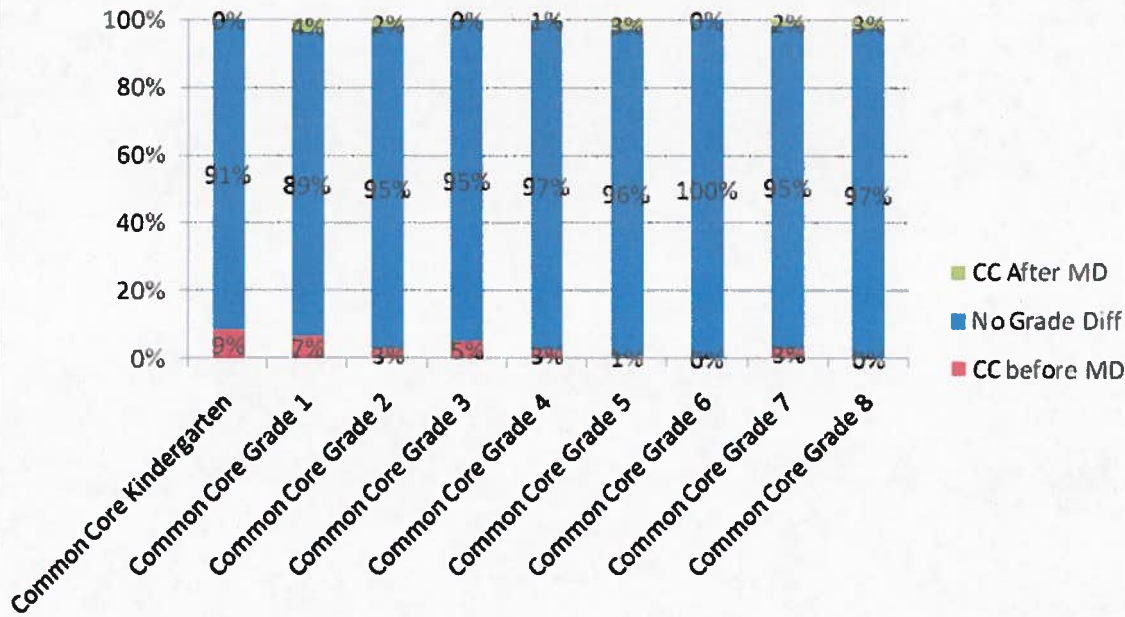
Common Core ELA Standards Frequency Table for Maryland

Grade/ Grade Band	Total # of Common Core standards at grade level	% of Common Core matched	Excellent Match to Maryland (# of 3s)	Good Match to Maryland (# of 2s)	Weak Match to Maryland (# of 1s)	# of non-matched standards
Grand Total K-12 (includes 32 CCR Anchors and Literacy in History, Science, and Technology standards)	868	89%	433	196	144	95
Kindergarten	72	88%	35	18	10	9
Grade 1	81	90%	47	20	6	8
Grade 2	71	94%	51	11	5	4
Grade 3	90	93%	54	21	9	6
Grade 4	87	87%	40	24	12	11
Grade 5	85	87%	41	19	14	11
Grade 6-8	79	87%	20	18	31	10
Grade 9-10	76	75%	14	25	18	19
Grade 11-12	78	82%	22	19	23	14

Grade Level Comparisons

This table indicates the percentages of matched standards at the same grade levels. Differences in grade level content have implications for the curriculum revision teams for classroom instruction, assessment, professional development, and use of curriculum materials.

Where are the Grade level Similarities and Differences Between the Maryland ELA Standards and the Common Core Standards in Grades K-8

100%
80%
60%
40%
20%
0%

Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
0%	4%	2%	0%	1%	3%	0%	2%	3%
91%	89%	95%	95%	97%	96%	100%	95%	97%
9%	7%	3%	5%	3%	1%	0%	3%	0%

Common Core Kindergarten
Common Core Grade 1
Common Core Grade 2
Common Core Grade 3
Common Core Grade 4
Common Core Grade 5
Common Core Grade 6
Common Core Grade 7
Common Core Grade 8

- CC After MD
- No Grade Diff
- CC before MD

NEXT STEPS:

Curriculum revision teams will begin meeting this week to begin working on revising Maryland's curriculum, developing new tools and modifying current tools that educators will use to provide Maryland students with the instructional programs aligned to the Common Core State Standards. Curriculum teams will carefully monitor the progress of the summative assessment work being done by the PARCC Consortium and include that information and appropriate tools in their products. Teams will work throughout this school year so that the completed work will be presented by June 2011.

ACTION;

For information only

NSG/JJ

Maryland Public Schools: #1 in the Nation AGAIN in 2010