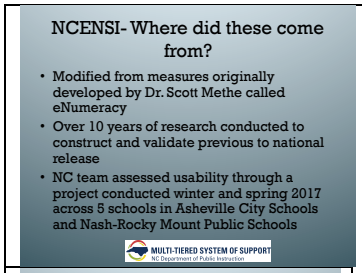
MULTI-TIERED SYSTEM OF SUPPORT
NC Department of Public Instruction

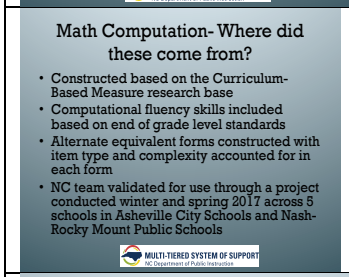
North Carolina Early Numeracy Skill Indicators (NCENSI) and Math Computation Introduction- 2017

- The release of the K-3 math measures (NCENSI and math computation measures) is part of a larger project begun by NCDPI to ensure equitable access to quality universal screening and progress-monitoring tools across the state for FREE and OPTIONAL use.
- NC has already committed, first through the implementation of Read to Achieve, to the importance of early identification and prevention activities that begin with valid and reliable screening tools for literacy.
- To expand upon this important work, the first goal is to provide similar access for the area of early mathematics in grades kindergarten- 3rd grade.

Two measure types offered

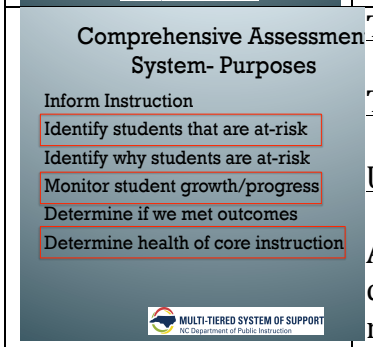
NCENSI	Math Computation
Grades K-3	Grades 1-3
Appropriate for screening and/or monthly progress- monitoring	Appropriate for screening and/or up to twice monthly progress-monitoring
Measures skills that demonstrate number sense at the quantitative, structural and symbolic level	Measures computational efficiency
Individual administration	Group or individual administration





NC Validation Results:

- Sample (over a 1000 students and 40 teachers)
- Student measure and teacher surveys/focus groups
- Purposes of usability study- teacher acceptability and feasibility, alignment to instructional approaches, system of support needed for usage
- Results-
  - decrease number of measures
  - appropriate sequence for progress-monitoring measures
  - recommendation to lessen the burden on teachers through a cadre approach to screening
  - recommendation for score types
  - minor language and format changes to materials



To identify students that may be at-risk

To monitor student growth or progress over time

Used as one piece of data to determine the overall health of core instruction

Although these measures will give educators important information about what students can and cannot do, *they are not meant to give a comprehensive view of why students may be at-risk.* These measures are not diagnostic in their design. These measures give teams information about risk and may give some information into a student's mastery of conceptual skills, when a student is at-risk the team may need to examine other data sources to ensure they understand next steps for that student or group of students.

Measures available at each grade level

Measures Available			
K	1st	2nd	3rd
[redacted]	Math Computation- Whole Group Administration		
Counting Arrays	Ordering Number	Verbal Addition and Subtraction	Verbal Multiplication and Division
Matching Quantity to Numeral	Decomposing Numeral	Place Value Matching Quantities	Place Value Rounding
Ordering Number	Place Value	Place Value Computation	Place Value Multiplication
Ordinal Position	Verbal Addition and Subtraction	Expression Identification	Expression Identification
Decomposing Quantities	Number Recognition		
Number Recognition			

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<table>
<tr><td>Score types</td><td><table>
<tr><th>NCENSI</th><th>Computation</th></tr>
<tr><td>Total Correct</td><td>Digits Correct</td></tr>
<tr><td>Per Minute Rate</td><td></td></tr>
</table></td></tr>
<tr><td>Options for use</td><td>• FREE, FLEXIBLE AND OPTIONAL!!!
• After an initial training, LEAs will gain access to the materials</td></tr>
<tr><td>How to access</td><td>• Attend initial training with team to include: MTSS Coordinator, Math Instruction/Curriculum Leader, and one other school or district leader
• Think through implementation carefully with your NCDPI consultants
• Ensure a solid implementation plan- not one more thing for teachers to do without support!</td></tr>
<tr><td>Training Information</td><td>• July 24, 2017- West- https://www.eventbrite.com/e/introduction-to-nc-univ-screening-and-progress-monitoring-system-tickets-35353504283
• July 25, 2017-Asheboro- https://www.eventbrite.com/e/asheboro-introduction-to-nc-univ-screening-and-progress-monitoring-system-tickets-35353538385
• July 26, 2017- Rocky Mount- https://www.eventbrite.com/e/rocky-mount-introduction-to-nc-univ-screening-and-progress-monitoring-system-tickets-35353609598
• July 27, 2017- Jacksonville- https://www.eventbrite.com/e/jacksonville-introduction-to-nc-univ-screening-and-progress-monitoring-system-tickets-35353698865</td></tr>
<tr><td>Can't make July training?</td><td>Complete this survey:
https://www.surveymonkey.com/r/fallunivpm</td></tr>
<tr><td>Questions?</td><td>Reach out to your regional MTSS Consultant!
http://mtss.ncdpi.wikispaces.net/Regional+Consultants
Or
Amy Jablonski (Amy.jablonski@dpi.nc.gov)- Director of Integrated Academic and Behavior Systems</td></tr>
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