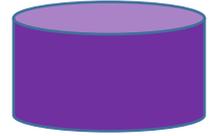




## Math Professional Development Workshop K-8 – Part 1



*Presenter – Russ Davidson – NESc Math Specialist*

**Monday, October 1, 2018** – This math professional development workshop is designed for first year teachers, math interventionists, and those that want to examine lessons designs, formative assessments and summative assessments. Also, I have developed Screening Assessments that can be given at the beginning of the year and the end of the year.

**The design for creating mastery of each benchmark uses the following structure: LESSON DESIGN: *RUINAS* (*The lesson design*)** have been developed for each and every benchmark for grades K-8. Also, **Formative Assessments** and **Summative Assessments**.

- 1. Each *RUINAS*** consists of about ten questions with the following breakdown:  
***RU*bric** - The first four questions are a Rubric. The first question is very easy, the second question is easy, the third question is the target goal – what must be mastered for this specific benchmark and the fourth question is a higher order example (cognitive 3 level). These are based on Marzano’s proficiency scale.  
***IN*structional Notes**: The Math Frameworks has instructional notes that provide different strategies to solve problems for a specific benchmark.  
***AS*ssessments** – Questions #8-10 are assessment-type questions very similar to those you will see on the MCA-III Test or other standardized tests.
- 2. FORMATIVE ASSESSMENT – RUBRIC EXTRAS**: The formative assessment consists of four questions that mirror the first four questions of the ***RUINAS***.
- 3. SUMMATIVE ASSESSMENTS – RUSS’ ASSESSMENTS**: Each Summative Assessment consists of about ten questions. Achievement of 75% or higher = mastery.

**The main focus is the use of the mastered vocabulary and mastered benchmarks integrated into the structure of the Lesson Design, Rubric Extra, and Summative Assessment.**

**SCREENING ASSESSMENTS** – These Assessments are to be given at the beginning of the year as a review. For example, the grade 4 screening assessment consists of two to three questions for all twenty-six grade 3 benchmarks. Use this along with MCA-III data to identify strengths and weaknesses of individual students. Provide the necessary interventions as needed. The grade 4 screening assessment can be used as an end of the year review for grade 3 students.

**Workshop K-8 – Part 2 – Thursday, November 8, 2018**: Follow-up to Part 1

## Additional Details & How to Register

The cost of this two-day workshop is \$175 and includes refreshments, lunch, and materials.

To register for this workshop, email [registration@nescmn.net](mailto:registration@nescmn.net). Please indicate the name of the workshop in the email and the school you are employed at. Schools will be invoiced for each participant at the conclusion of the workshop.

Each day, registration/sign in opens at 8:30 a.m., the workshop begins at 9:00 a.m. and concludes at 3:30 p.m.

Cancellations are accepted up to 48 hours before the workshop. Participants who do not cancel and do not attend will be invoiced \$25.

Deadline to register is 48 hours prior to the date of the workshop.

Russ Davidson, Math Specialist

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For questions, email: [rdavidson@nescmn.net](mailto:rdavidson@nescmn.net)