

LDOE Tools for Math Educators

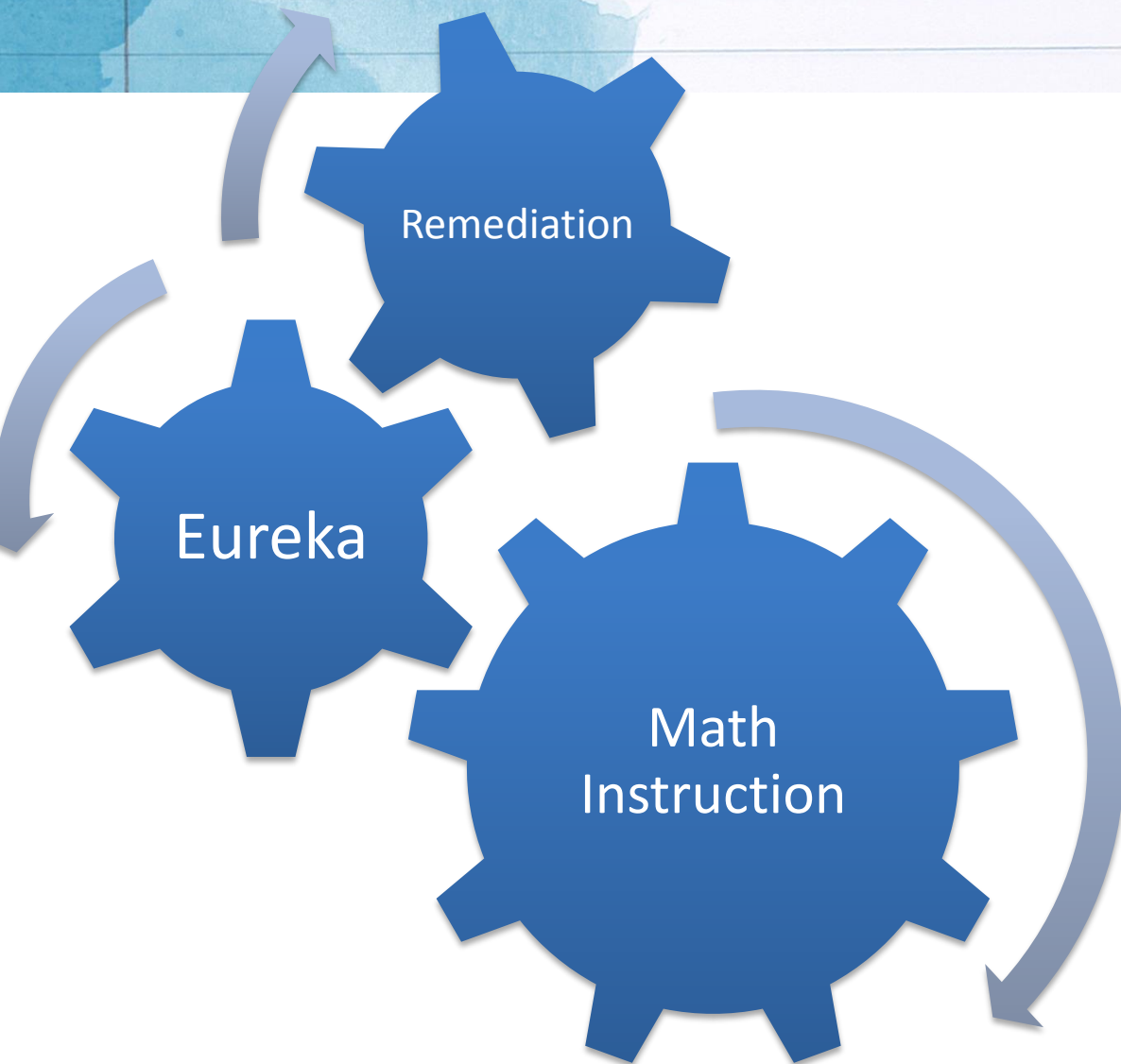
2016-2017

Math

In order to provide a quality mathematical education for students, instruction must be **rigorous, focused, and coherent**. A quality math education also:

- Uses quality **curriculum** materials
- Provides targeted **remediation** for students when needed
- Provides **acceleration** for students when opportunities present themselves
- Uses aligned **assessment** items for formative and summative assessments

LDOE Math Tools



To help educators provide for quality math instruction, the Department has an overwhelming number of math tools available on the website.

- How do you make sense of all of the tools?
- When do you encourage teachers to use which tools?

Overview of Tools

Focused	Coherent	Rigorous	Curriculum	Remediation & Acceleration	Assessment
<p>LSS Focus by Grade Level</p> <p>LSS Math Companion Guide</p>		<p>LSS Components of Rigor</p>	<p>Louisiana Guide to Implementing Eureka</p> <p>*Eureka Remediation Tools (Spring 2017)</p>	<p>Remediation Guides</p>	<p>EAGLE</p> <p>LEAP 360 (in development)</p>

Agenda

- Tools that focus on instructional priorities
- Tools that focus on Eureka
- Tools that focus on remediation

Instructional Tools

[LSS Companion Documents](#)

Task: In your own words, explain 3.NBT.A.3.

- What useful information does this tool provide related to instruction in the classroom?
- How could principals, math coaches, or other support staff that observe teachers use this document?

Instructional Tools

LSS Components of Rigor

Task: What component(s) of rigor is 3.MD.A.2? Turn to a partner and explain why this is the component(s) of rigor.

- What useful information does this tool provide related to instruction in the classroom?
- How do/should the components of rigor impact both classroom instruction and assessment?
- What specific activities could teachers do during PLCs or PD sessions to ensure they access and use this tool?

Instructional Tools

LSS Focus by Grade Level

- What useful information does this tool provide related to instruction in the classroom?
- How does this information impact both classroom instruction and assessment?
- What specific activities could teachers do during PLCs or PD sessions to ensure they access and use this tool?

Debrief Instructional Tools

What 3 tools are available that focus purely on the standards and/or instruction?

Which tool would you point people to if you are asked the following questions:

- I have a teacher who always teaches whole-group. Her students do a lot of worksheets that don't have much wording on them. How can I help her understand the standards better?
- How can I learn more about what a specific standard actually means?

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Eureka Specific Tools

The Louisiana Guide to Using Eureka has been released for grades K-Algebra I. Dig in to the 3rd grade sample.

Task: Identify 2 lessons in 3rd grade that most teachers should probably not teach and describe why this is true.

- What useful information does this tool provide related to instruction in the classroom?
- If a district is not using Eureka, how can this tool be used as a model for the curriculum?
- How will you ensure teachers access and use this tool?

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Remediation Tools

Remediation Guides

- When and why should this tool be used?
- Are teachers currently using this?
- Where are you seeing frequent use versus infrequent use?
- How could you promote this tool to help teachers better meet the needs of students?

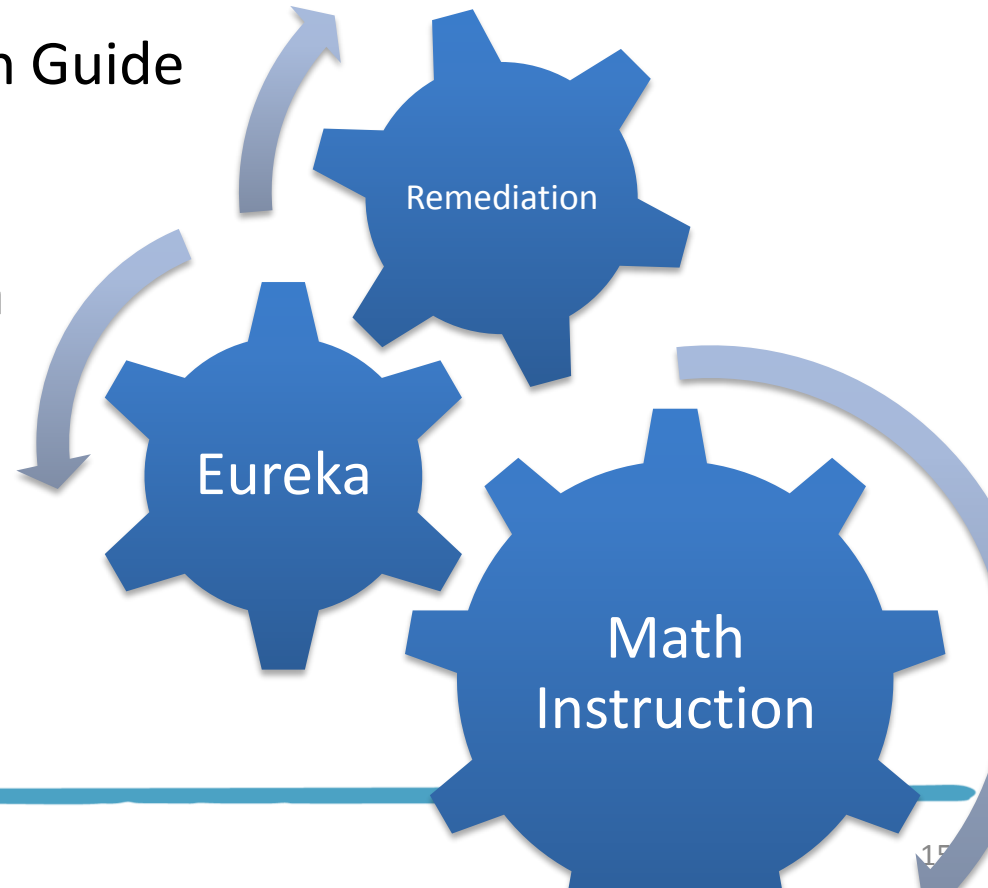
Upcoming Remediation Tools

1. Vision for EAGLE platform math enhancements: Enhance the usefulness of EAGLE 2.0 for math educators through item tagging, the addition of new items, and the **increased search functionality of the system to access “remediation items.”**
2. **Remediation guidance using Eureka:** Over the next 6-12 months, the math content team will create and release remediation tools for critical Topics in Eureka. These will include short assessments teachers can use to determine on which standards students need support and point teachers back to Eureka lessons and parts of lessons that can be used to bridge learning for students.

Debrief

Turn to a partner and give a brief “sales pitch” for each of the following tools:

- LSS for Mathematics Companion Guide
- LSS Components of Rigor
- LSS Focus by Grade Level
- Louisiana Guide to Using Eureka
- Remediation Guides
- EAGLE



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Next Steps

Determine:

- 1-Who do you need to share this presentation with in your districts?
- 2-On what time-line will you schedule these trainings?

Thank You

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