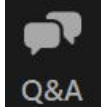


Introduction to the Universal Screeners for Number Sense

For Indiana Schools (K-2 Focus)

*Developmentally appropriate, interview-based math
screeners to improve focus on essential numeracy skills.*

For Today's Presentation

- This session is being recorded and will be sent out to everyone who registered, along with the slide deck.
- Participate in the presentation through chat. Chat sessions are recorded.
- Questions? Use the Q&A tool. 
- We'll reserve time at the end for Q&A that will not be included in the recording.

Presenters



Tamara Mack
Communications Manager



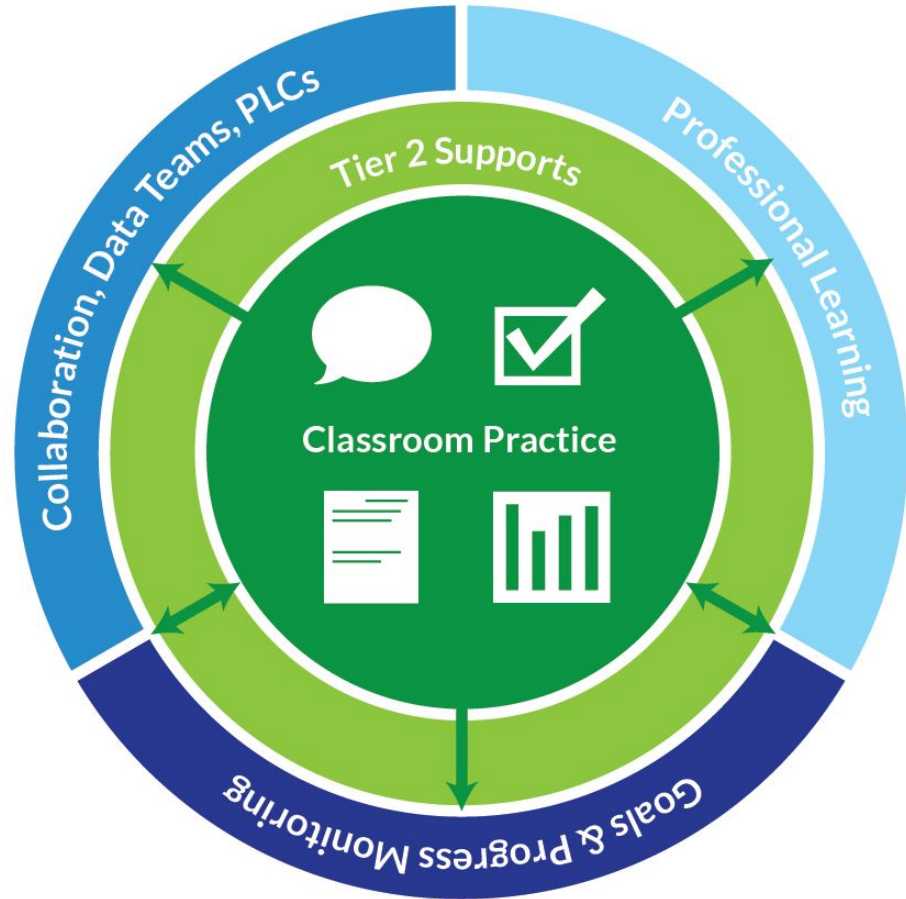
David Woodward
President & Founder

Agenda

- Introduction to the Universal Screeners for Number Sense (USNS) & Forefront Education
- Overview of the assessments and administration
- Understanding scoring and interpreting results
- Demonstration of Forefront's data tools
- Using results within MTSS systems
- Implementation considerations and professional learning options

Forefront Overview

- An assessment data solution that puts instructionally useful assessments at the center of school and district work.
- Supports over schools across 36 U.S. states and 9 countries to collect and analyze learning data for more than 300,000 students.



Watch a Sample Interview



What do you want the beginning of the year to look like for your students?

What teacher learning needs to happen through the assessment process?

What do you want the beginning of the year to look like for your students?

What teacher learning needs to happen through the assessment process?

Formative Assessment is a Verb

- Assessing formatively means using results to inform planning, instruction, and interactions with students.
- No one can sell a formative assessment. Only you can make an assessment formative.

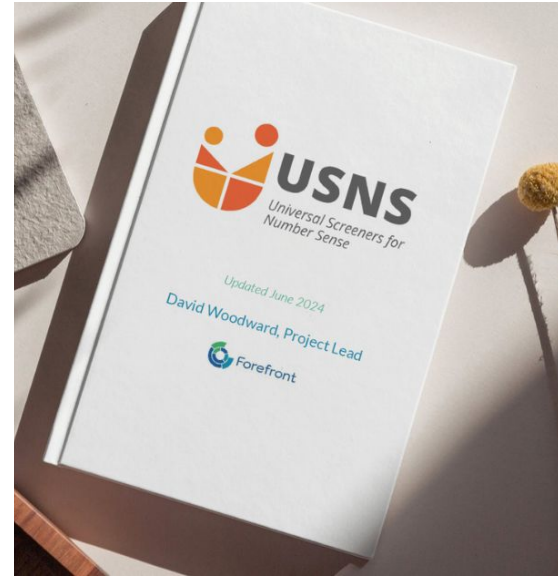


Overview of the USNS

- Three assessments per year
 - Fall screeners are entirely interview-based
 - Midyear and Spring screeners have interview and written portions
- Assessments can be conducted in English or Spanish
- Interviews are done individually with students (3-6 min each)
- Written sections can be administered in small group or whole class. Duration varies by grade-level, but anticipate 15-30 minutes per assessment

Required Materials

- The USNS Assessment Manual has:
 - Assessments
 - Interview scripts
 - Rubrics
 - Scoring guidance
 - Visual supports



A free version of the manual is available on our website. An Indiana-specific guide is only available to clients.

Required Materials (cont.)

- Materials needed for assessment administration:
 - Forefront (for interview data collection) or interview note catchers
 - Photo copies of the assessment for written tasks
 - Cards - copied and cut
 - Simple counters and paper covers



Research Base

Research on Early Numeracy Development

- Early number sense competencies strongly predict later mathematics achievement.
- USNS tasks assess foundational constructs linked to long-term success in mathematics.

Research on Universal Screening

- Designed using established principles for effective universal screening within MTSS.
- Screeners are brief, administered to all students, and predictive of later outcomes.

Research Base (Cont.)

Research on Validity and Reliability

- Studies demonstrate strong reliability across administrations.
- Evidence supports predictive validity and classification accuracy for identifying students needing additional support.

Research Foundations

- Reflects research on numerical development from scholars such as David Geary, Nancy Jordan, and Michele Mazzocco.
- Developed in alignment with the Standards for Educational and Psychological Testing.

Interpreting Scores

Assessment-referenced

- Overall performance
- Item-by-item with instructional suggestions

Criterion-referenced

- Focus on a specific skill or concept area

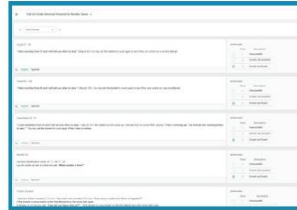
Norm-referenced

- Use a specific threshold in local or national norms

Digital Tools

Data Collection

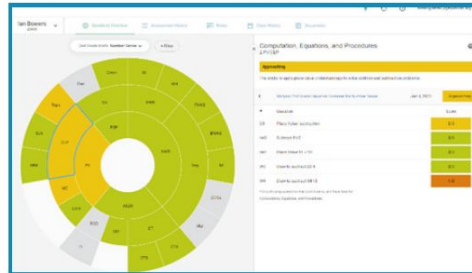
Easily conduct USNS interviews with the interview tool in English and Spanish. Score responses and capture notes. For written tasks, enter results through the spreadsheet tool. Upload images of student work as appropriate.



Interactive interview tool

Data Reporting

Teachers and leaders can access meaningful, drill-down reports for their classes and individual students. Interactive reports help teachers identify student assets and areas of focus to guide instruction.



Individual student results and body of evidence

Family Communication

Available in English and Spanish, the USNS Family Letters include information about performance on critical number sense concepts, areas for improvement, and ideas to support learning at home. Letters are personalized based on each student's results.



Quick Demo



[Forefront Demo](#)



Sharing USNS Results with Families



- Personalized
- English and Spanish
- Customizable
- Instructional activities
- Free, high-quality resources for at-home learning



To the family of Lukas Alverson,

We have completed our Fall Number Sense interviews which allowed us to hear your child count, read numbers, and solve addition/subtraction problems. We look forward to working together with you this year to support your child's growth in mathematics.

During the assessment your student demonstrated the ability to:

- Use strategies that will support their math learning this year
- Count from 1 to 22 by ones
- Count starting from any number under 100 ("Count up starting at 38")
- Count by 10s to 100.
- Read numbers to 20 with confidence.
- Count a set of up to 15 objects.
- Add to combine small sets. "I have 3 in this hand, and 4 in my other hand. How many is that?"
- Solve simple subtraction problems. "There were 8. I ate 2. How many now?"
- Identify different pairs of numbers that have a total of 5
- Without counting from one, identify 13 as the number equal to a group of 10 and 3 more.

Your student could benefit from additional support with:

- Continued enrichment opportunities that support your student's progress as the curriculum advances

Resources for helping your child at home:

- Math at Home from The Math Learning Center - free resources for math learning at home

<https://mathathome.mathlearningcenter.org/grade/1>



- Math Anywhere - ideas for younger children and their parents.

<https://www.mathanywhere.org/>



- Bedtime Math - mathematical stories and conversation starters for caregivers and children

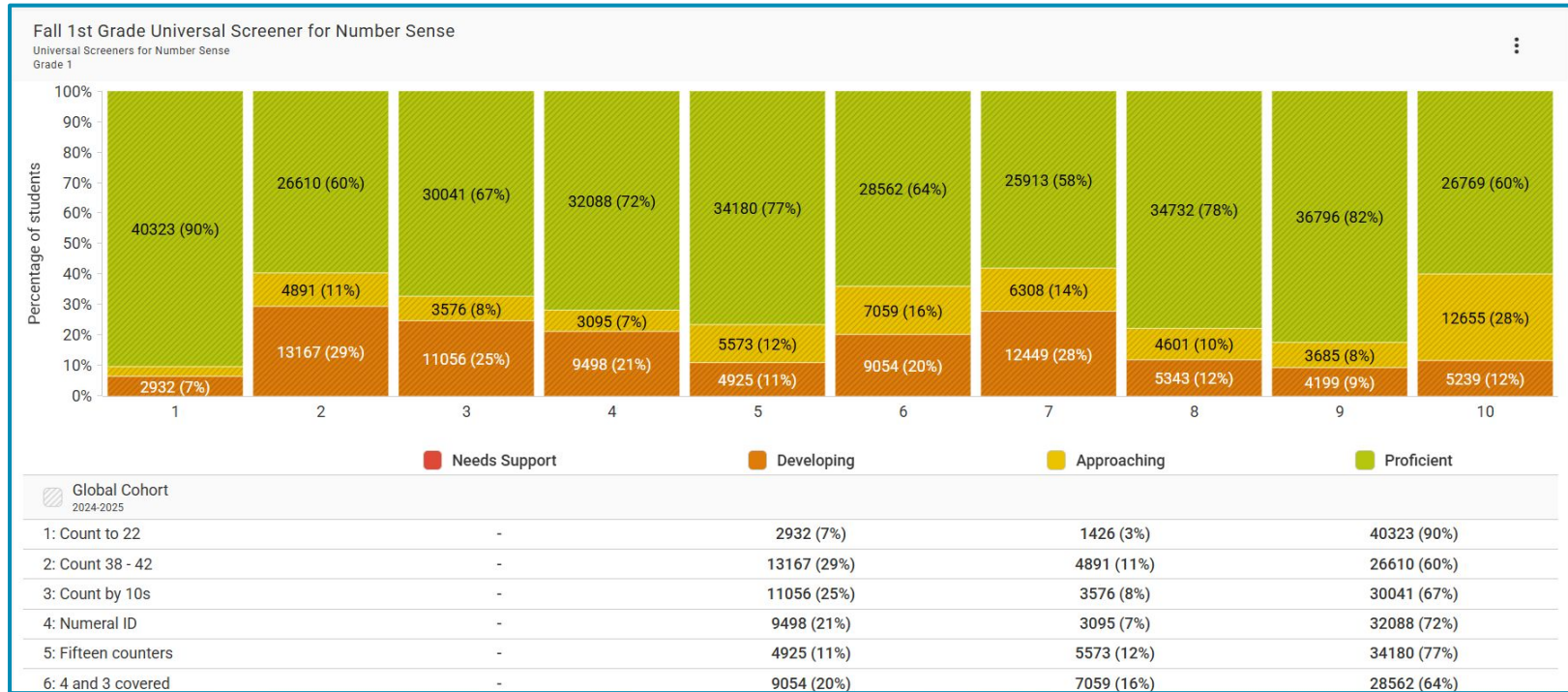
<https://bedtimemath.org/>



Scoring and Performance Levels



- Each task is scored using detailed, question-specific rubrics.



Scoring and IAS Alignment

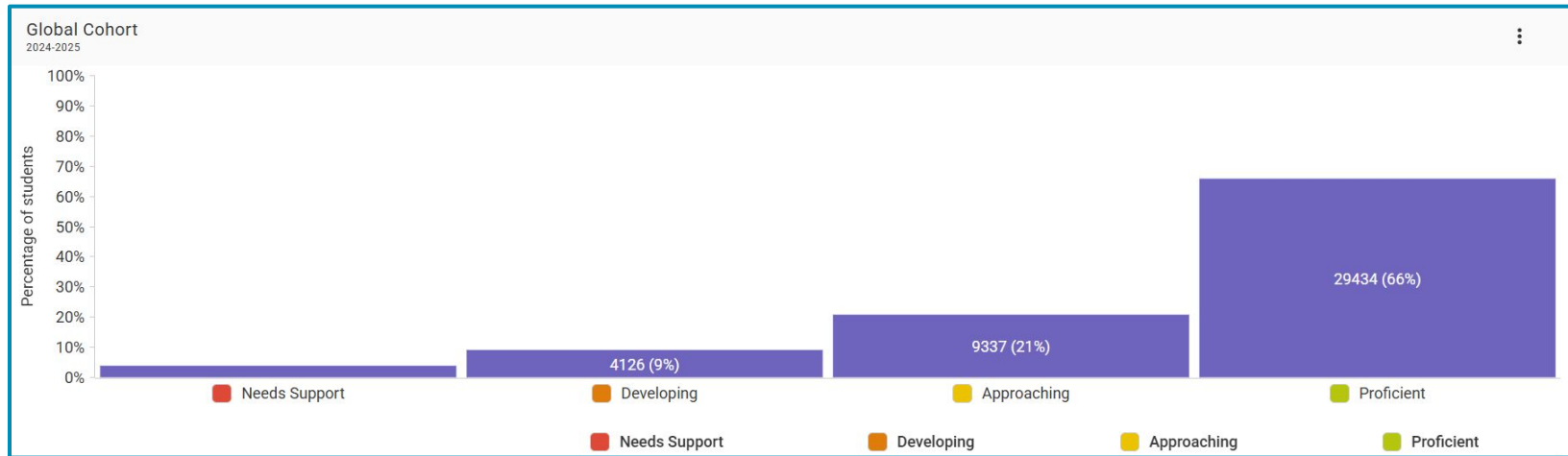


- Tasks and rubrics are designed to elicit evidence of students' progress toward proficiency. Each question of the K-2 USNS has been aligned to the Indiana Academic Standards.



Scoring and Performance Levels

- Performance across tasks is used to determine one of four overall performance levels.

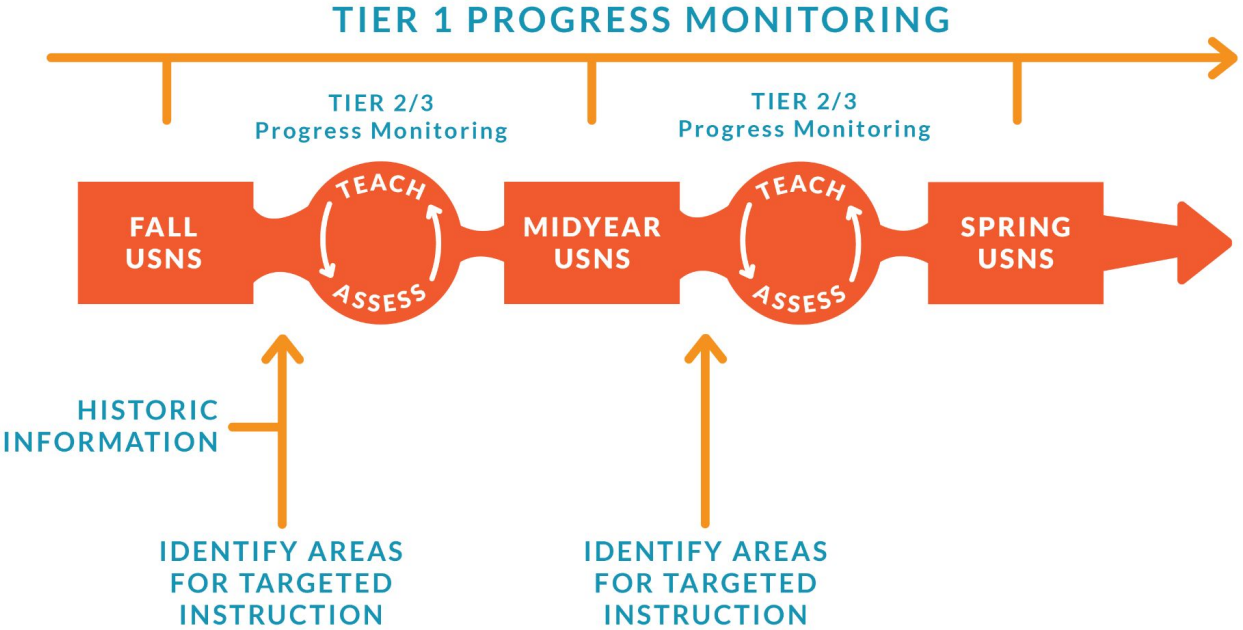


Ways Forefront Supports MTSS



1. Identify students in need of intervention (Tiers 2 & 3)
2. Identify Tier 1 instructional needs
3. Collect Tier 1 information from unit assessments (optional)
4. Group students in intervention groups and monitor progress
5. Use the instructional next steps aligned to USNS tasks
6. Report student progress to families
7. Connect data sharing between Tier 1 and Tiers 2/3

MTSS Structures and Forefront



Pricing & Professional Learning



Forefront® Lite Plan
\$4 per student record

Forefront® Basic Plan
\$6 per student record

Data Trackers
Reporting Suite
Mobile Interview Tool
USNS Next Steps & Family Letters

Lite Features *plus*
Handout Editor
Build Local Assessment Trackers
Roster Syncing (Clever, Classlink)

*Plans include software training and an asynchronous, online course. Two add-on PD modules, **USNS Essentials** and **USNS Results**, help with administering assessments & interpreting data.*

Online Course (Included)

An **interactive, self-paced course** that helps educators:

- Build an understanding of the USNS
- Gain practice scoring student interviews
- Learn how to utilize Forefront to collect and review results

Duration: 60 minutes

Audience: Teachers, instructional coaches, school & district leaders

Delivery: Asynchronous, self-paced

Add-On PD Recommendations



USNS Essentials



USNS Results



Duration & Delivery Method: 90 minutes / Virtual, live webinar*

Pricing: \$900 per session

PD Catalog: <https://forefront.education/professional-development/>

Beyond the Math



Assessment as Communication

“It’s all about my listening, that I learn, then I have the possibility of being a better teacher.”

- Marilyn Burns



Contact Information



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Book a Meeting:

<http://forefront.education/demo>

