

## Questions...

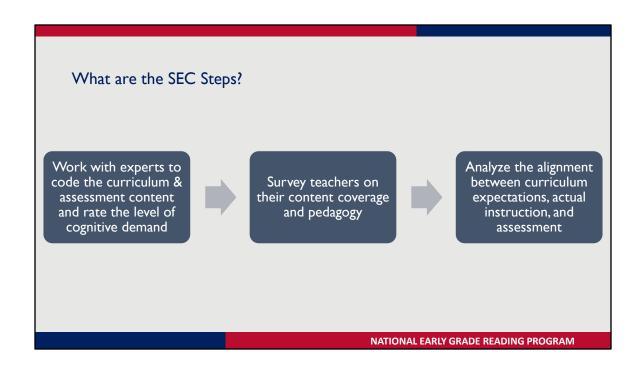
- Are curriculum, instruction, and learning assessments in your country well aligned?
- How do you know?
- Why is alignment important?

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# What is the Surveys of Enacted Curriculum (SEC)?

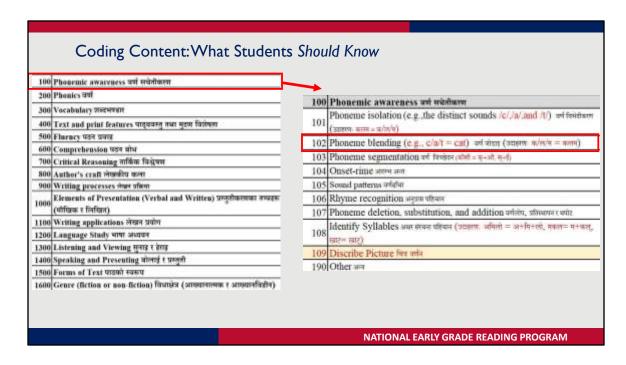
- An educational research tool for analyzing alignment among different instructional components, such as curriculum standards, classroom instruction, and assessments (Blank, Porter, & Smithson, 2001; Smithson, 2013)
- Originally developed in the United States but RISE has adapted it to lower- and middle-income countries
- <a href="https://riseprogramme.org/tools/surveys-enacted-curriculum">https://riseprogramme.org/tools/surveys-enacted-curriculum</a>

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An example of one type of Nepal language lesson in the early grades.



The Nepali lesson on the previous slide is an example of phonemic awareness content – specifically phoneme blending.



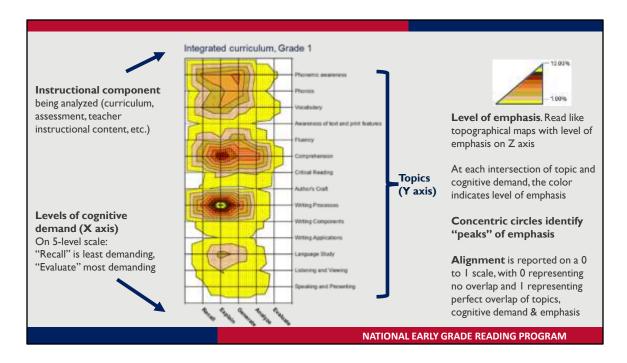
Here the teacher asks students to complete the phoneme (syllable) blending activity in their workbooks. The second picture shows what a similar exercise looks like in the curricular materials.

# Rating Cognitive Demand: What Students Should be Able to Do

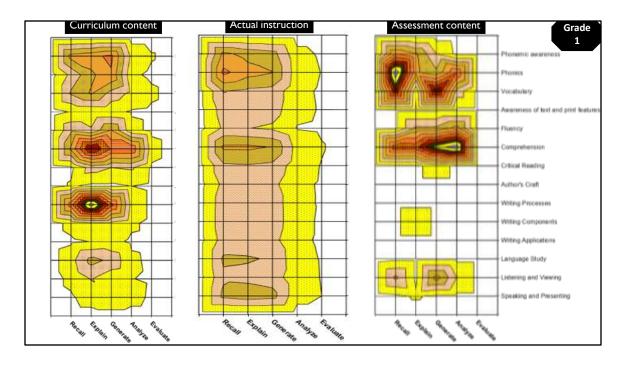
Level of cognitive demand	Illustrative definition
Memorize/Recall	Recognize, identify, or recall facts, definitions, or formulas
Explain/Perform Procedures	Perform procedures, solve routine problems, do computations, make observations, take measurements
Generate/Demonstrate understanding	Communicate ideas, explain findings from analysis, explain reasoning
Analyze/Conjecture	Make and investigate conjectures, infer and predict
Evaluate/Apply to non- routine problems	Apply and adapt strategies, solve novel problems, make connections

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The activity the teacher had the students do on the previous slide was an example of the "perform procedures" level of cognitive demand.



How to read the heat maps that are generated through the quantitative analysis of curriculum-instruction-assessment alignment in the SEC methodology.



This slide shows the heat maps for grade 1 Nepali language subject for curriculum content, actual instruction, and assessment content of the CB-EGRA

#### Curriculum content

- The grade I curriculum covers a broad range of content
- Most emphasis is on comprehension (22%) and writing processes (21%)
- Cognitive demand focuses on the middle levels of "performing procedures" (36%) and "demonstrating understanding" (31%)

#### Actual instruction

- Grade I teachers also cover a broad range of content
- Phonics (12%) and comprehension (11%) receive the most emphasis
- Nearly equal emphasis on the first three cognitive demand levels: memorize/recall (32%), perform procedures (31%), and demonstrate understanding (29%)

#### Assessment content

- Classroom-based early grade reading assessments (CB-EGRAs) are highly focused on specific content
- And cover broader cognitive demand areas up to the "Analyze" level

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Further explanation of what the heat maps on the previous slide are showing. An important note is that the CB-EGRA is only one of the assessment tools used in Nepal and it is designed to measure specific foundational skills. Other assessments may have higher alignment with the curriculum and actual instruction.

## (Things I haven't shown you but will be in the report...)

- Progression of content and cognitive demand in the curriculum and the assessment tools across grades I-3
- Mapping of assessment content against actual student average scores on the assessment
- Urban/rural differences in findings

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This presentation is just an introduction – the full report will have much more detail, including the points on this slide.

### **Key Take-Aways**

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- The methodology provided a systematic opportunity for analyzing the new curriculum
- Engaged a wide range of stakeholders across curriculum, teacher training, and assessment functions
- Built local capacity for this type of in-depth analysis
- Allows for disaggregation rural/urban, language, etc.
- Can be used at various points, but need to consider the best staging

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- Not a rapid methodology requires time, resources, and technical know-how
- Doesn't necessarily explain the "why" qualitative research can address this



For example: In a related qualitative study,
Grade I teachers felt that the curriculum was
challenging for students who had not
attended ECD —
which may explain why they emphasized
certain areas and cognitive demand levels
over others

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Teachers in Salyan District discussing the level of cognitive demand in the IC during the orientation on the Surveys of Enacted Curriculum (SEC) methodology. (Photo credit: Birendra Dash)

### Partners and Acknowledgements

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• In country study implementation through the Early Grade Reading Program II (EGRP II) in Nepal:







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This study was a collaboration between multiple stakeholders as listed on the slide.

