

**Slides presented at the
2015 NGSS Network Leadership Conference**

Designing a State Science Assessment System

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Designing a state science assessment system

Helen Quinn

Goals in the context of NGSS

- Incentivize science teaching at all grades
- Incentivize and support 3D teaching and learning
- Incentivize and support effective classroom (formative and summative) assessment practice

Usual priorities

- Meet federal NCLB requirements
- Be cheap (low per student costs)
- Maintain year-to-year comparability
- Requires only a single 50 minute testing period per year tested

A systems design problem!

- Competing priorities and constraints
- Stovepipes (curriculum development, assessment development, professional development)
- No measures of impacts of testing, positive or negative

What needs to be designed?

- A system of assessments and assessment supports
- A curriculum that supports curriculum-embedded and performance assessment
- Professional development that supports teachers to understand and use effective assessment strategies

Requires integration of assessment expertise in curriculum design and professional development

Integration of science expertise in all 3