

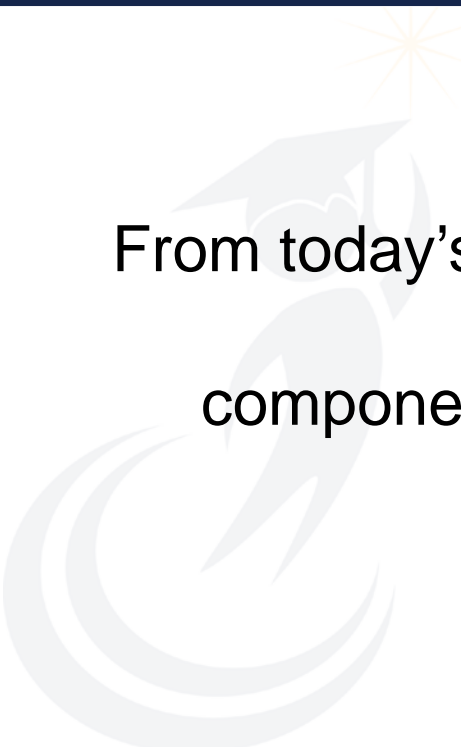
Kansans **CAN**

Balanced Assessment Systems for Mathematics

Sara Schafer, KSDE
Kyle Consolver, CETE



Learning Goals




From today's presentation you will understand the three components of a balanced assessment system in mathematics.

Success Criteria

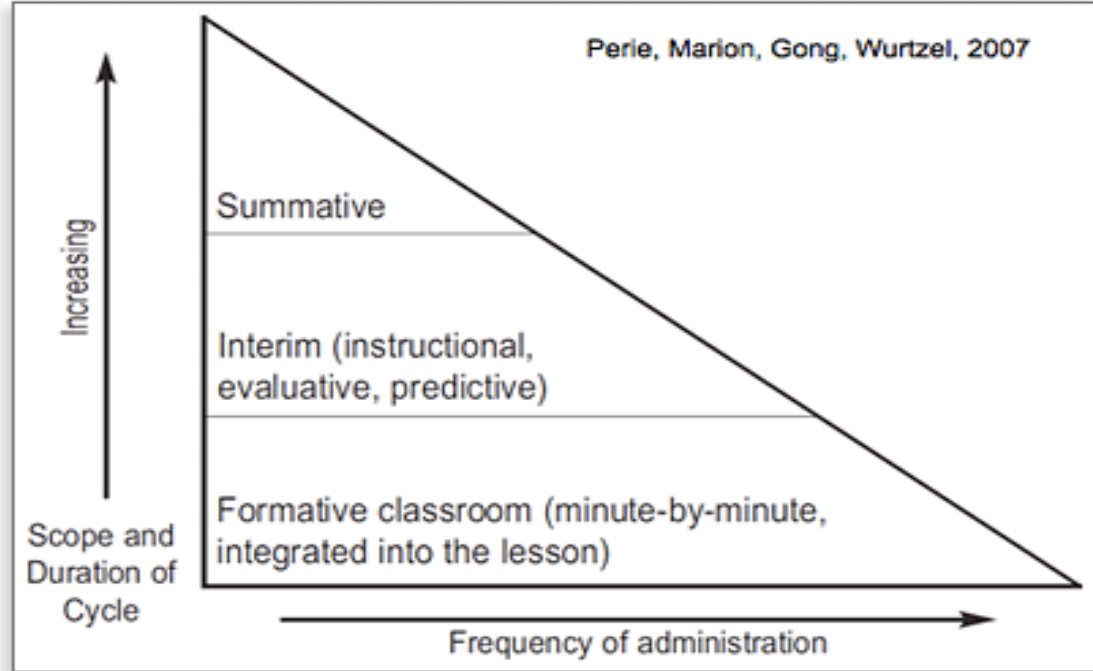
- I can describe a balanced assessment system for mathematics.
- I can explain the three parts of the formative process.
- I can give examples of each type of assessment in a balanced system.

Discussion Question



What school factors affect achievement the most?

Balanced Assessment System



Formative Assessment Definition

“Formative assessment is a **process** used by teachers and students during instruction that provides feedback to adjust ongoing teaching and learning to improve students’ achievement of intended instructional outcomes.”

FAST SCASS (2007)

Formative Assessment Process

Three Guiding Questions:

- Where are we headed?
- Where are we now?
- How to close the gap?



10 Dimensions of Formative Assessment

1. Learning Goals
2. Criteria for Success
3. Evidence Gathering Opportunities
4. Questioning
5. Self-Assessment
6. Extending Thinking
7. Descriptive Feedback
8. Peer Feedback
9. Collaborative Culture of Learning
10. Using Evidence to Inform Instruction

Heritage 2016

Where are we headed?

- 1. Learning Goals**
- 2. Criteria for Success**
3. Evidence Gathering Opportunities
4. Questioning
5. Self-Assessment
6. Extending Thinking
7. Descriptive Feedback
8. Peer Feedback
9. Collaborative Culture of Learning
10. Using Evidence to Inform Instruction

Heritage 2016

Where are we now?

1. Learning Goals
2. Criteria for Success
- 3. Evidence Gathering Opportunities**
- 4. Questioning**
- 5. Self-Assessment**
6. Extending Thinking
7. Descriptive Feedback
8. Peer Feedback
9. Collaborative Culture of Learning
10. Using Evidence to Inform Instruction

Heritage 2016

How to close the gap?

1. Learning Goals
2. Criteria for Success
3. Evidence Gathering Opportunities
4. Questioning
5. Self-Assessment
- 6. Extending Thinking**
- 7. Descriptive Feedback**
- 8. Peer Feedback**
9. Collaborative Culture of Learning
10. Using Evidence to Inform Instruction

Heritage 2016

Overarching Steps

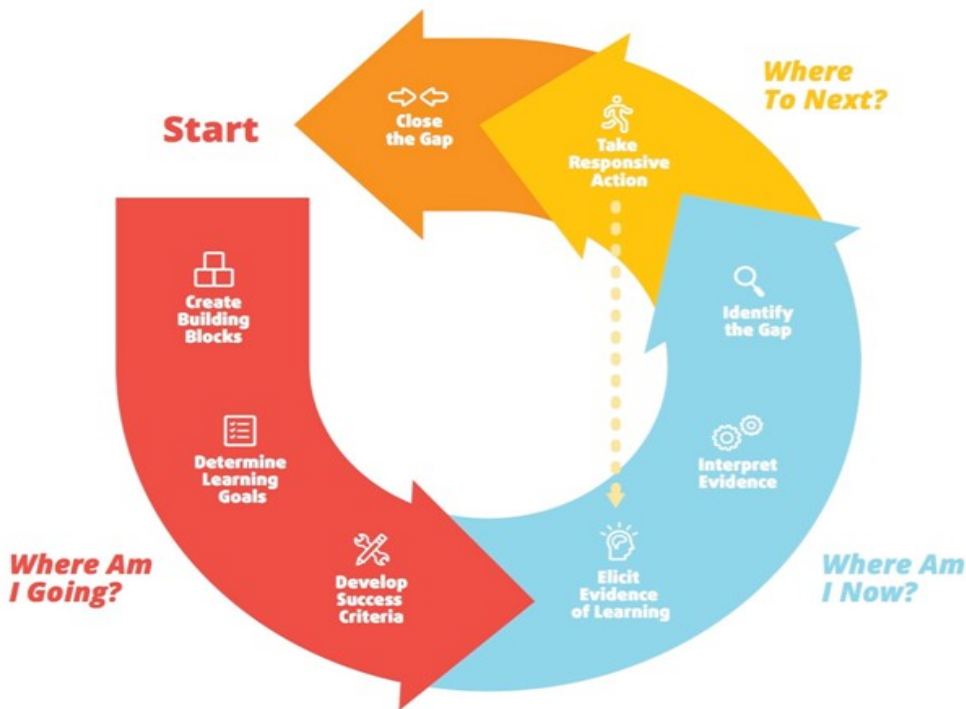
1. Learning Goals
2. Criteria for Success
3. Evidence Gathering Opportunities
4. Questioning
5. Self-Assessment
6. Extending Thinking
7. Descriptive Feedback
8. Peer Feedback
- 9. Collaborative Culture of Learning**
- 10. Using Evidence to Inform Instruction**

Heritage 2016

Feedback Loop for Formative Assessment



Heritage, 2016



Example Formative Assessment Tools

- Sample formative assessment tools available from:
 - <http://www.ksassessments.org/formative>
 - Click on Math Tools
 - Available for grades 5-8
 - Will be expanded each year of the Enhanced Learning Map Grant

Interim Assessment

Assessment Type	Purpose	Frequency and Relationship to Instruction
Classroom Summative	Motivate	After a more extended period of teaching and learning (e.g., after a unit is completed and before another unit begins)
Interim/benchmark Summative (Student, Teacher, SSP, Administrators, Family)	Signal important learning goals	
	Evaluate achievement	At the end of a semester
	Monitor student learning, based on learning goals	3x per year or more
	Predict end of year proficiency	Across instructional units/calendar periods
	Inform improvement strategies for: <ul style="list-style-type: none">• Teachers• Schools• Districts	

Interim Assessment

- Available through the KITE Educator Portal
- Any student with a TASC record uploaded can test
- Can be used to inform instruction
- Reports contain item level data

Summative Assessment

- Summative cut score remains 300 for Level 3
- Multi Disciplinary Performance Task/ Math Performance Task moved to:

www.ksassessments.org/released-items

- 60% reduction in footprint:
 - One fixed form
 - One adaptive portion

Success Criteria

- I can describe a balanced assessment system for mathematics.
- I can explain the three parts of the formative process.
- I can give examples of each type of assessment in a balanced system.

Self Assessment

<http://bit.ly/2dHm6We>



Contact info

Sara Schafer

www.ksde.org/math

Twitter: @ksdemath

785-296-1074

sschafer@ksde.org

Kyle Consolver

www.ksassessments.org

kconsolver@ku.edu



Kansas leads the world
in the success of each student.

Kansans CAN

#KansansCan

KANSAS STATE DEPARTMENT OF EDUCATION www.ksde.org