

Curriculum Workshop June 26-27, 2013

Work with content area colleagues to develop a draft of Graduation Standards/Performance Indicators

Learn how to write standards, performance indicators, and learning targets

Gain a deeper understanding of mastery-based learning

Develop a plan to share work with school colleagues - school-wide and in content areas

Connect with LIS colleagues and learn from one another

Experience the process of developing standards, performance indicators, and learning targets



Mastery-Based Learning Simplified:

Developing Effective Curriculum Standards, Performance Indicators and Learning Targets

Provide common definitions for understanding standards vocabulary

Explain the key components of a mastery-based system and how they inform instruction and assessment.

Understand the distinction between graduation standards, performance indicators, learning targets and essential questions.

Explain key steps in the process of implementing a mastery-based system.

Proficiency

is a student's ability to transfer learning in and/or across content areas.

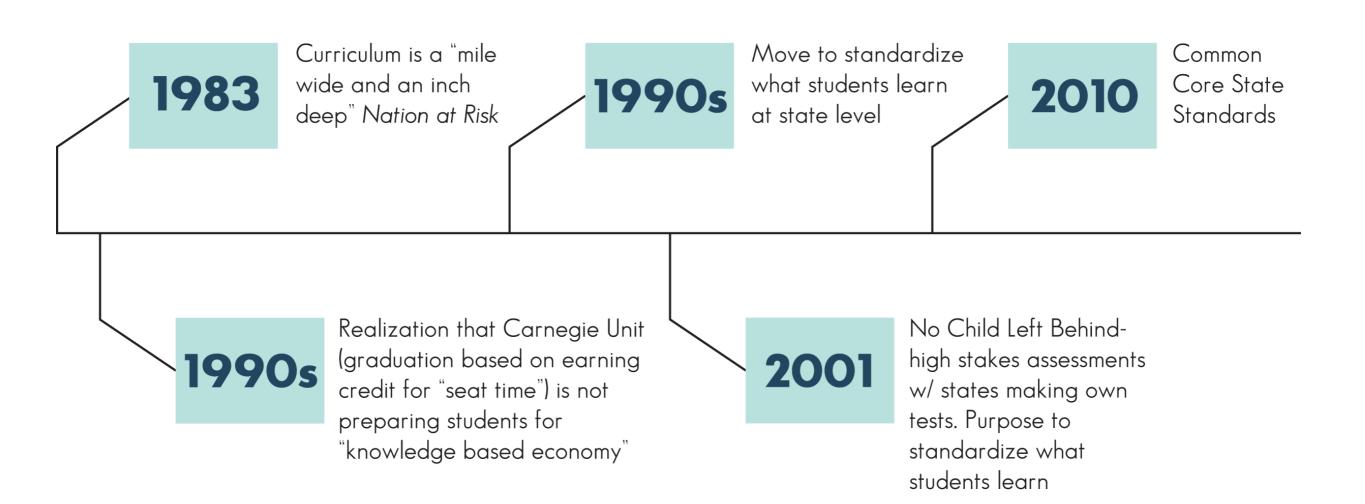
Mastery

is a student's ability to transfer learning in and/or across content areas.

Standard

Established norms or benchmarks for learning that define what students need to know and be able to do.

HISTORY TIMELINE



So, What's The Problem With Standards?

3,500 performance indicators across 14 content areas k-12:

So, What's The Problem With Standards?

"You would have to change schooling from K-12 to K-22. The sheer number of standards is the biggest impediment to implementing standards."

- Robert Marzano (2001)

POWER STANDARDS

PRIORITY STANDARD LEARNING TARGETS

POWER STANDARDS

LEARNING TARGETS

DESCRIPTORS

PRIORITY STANDARD

> PROFICIENCY STANDARDS

COMPETENCIES

POWER STANDARDS

PRIORITY STANDARD LEARNING TARGETS

DESCRIPTORS

PROFICIENCY STANDARDS **BENCHMARKS**

COMPETENCIES

MASTERY OBJECTIVES MEASUREMENT TARGETS

GRADUATION STANDARD

POWER STANDARDS

PRIORITY STANDARD LEARNING TARGETS

LEARNING

OBJECTIVES

DESCRIPTORS

PROFICIENCY STANDARDS

BENCHMARKS

COMPETENCIES

PERFORMANCE INDICATORS

MASTERY OBJECTIVES MEASUREMENT TARGETS

All These Terms Are Standards:

Graduation Standard Power Standards

LearningTargets

BROAD

SPECIFIC

Performance Indicators Benchmarks





Performance Indicator



Learning Target

Mastery-Based Learning Simplified

Graduation Standards for Cross-Curricular Skills

Drawn from Common Core State Standards (Standards for Mathematical Practice in Mathematics and College and Career Readiness Anchor Standards in English Language Arts), Next Generation Science Standards, and state-by-state cross-curricular standards

Graduation Standards for Content Areas

Drawn from Common Core State Standards, Next Generation Science Standards, and state-by-state content area standards

REQUIRED for GRADUATION	REPORTING METHOD		ASSESSMENT METHOD
YES	Transcript	Graduation Standards Cross-Curricular Skills 5-8 school-wide standards	Demonstration by Body of Evidence Portfolios, exhibitions, and other culminating demonstrations of learning are assessed
YES	Transcript and Report Cards	Graduation Standards by Content Area 5–8 standards per content area	Verification of Mastery Student progress toward the achievement of standards is determined and reported
NO	Progress Reports	Performance Indicators 5–10 indicators per content-area standard	Performance Tasks Common summative assessments ensure greater consistency in the evaluation of student learning
NO	Feedback to Student	Unit-Based Learning Experiences Guided by essential questions, teachers use daily learning targets to create progressions that move students toward the demonstration of performance indicators	Formative Teacher Assessments Ongoing formative assessment is used to evaluate student learning progress

Graduation Standards

Performance Indicators

Learning Targets

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Learning Targets

A Graduation Standard Is...

A standard that focuses instruction on the most foundational, enduring, and leveraged concepts and skills within a discipline.



Foundational Lens:

To what extend is this statement at the heart of understanding the content area and to what extent does it align with national & state standards?

Endurance Lens:

To what extent does this statement provide students with knowledge & skills that will be of value beyond a particular point in time (ie, test, unit)?

Leverage Lens:

Will this provide knowledge and skills that will be of use in multiple disciplines?

Cognitive Demand:

What depth of knowledge does this statement promote?

Science

Demonstrate science and engineering practices across multiple disciplines and novel situations- think and act like a scientist.

Social Studies

Apply and demonstrate knowledge of major eras, enduring themes, turning points and historic influences to analyze the forces of continuity and change in the community, the state, the United States and the world.

A Performance Indicator

Describes or defines what students need to know and be able to do to demonstrate mastery of a graduation standard.



A Performance Indicator

Is measurable.



A Performance Indicator

Students can demonstrate their performance over time.



A Performance Indicator

The aggregation of competency on these performance indicators measures whether a student has met the graduation standard.



A Good Performance Indicator

Answers:

"What do we want students to understand and be able to use several years from now, after they have forgotten the details?



Reading

Interpret, anal analyze, and evaluate complex literary and informational texts



Cite strong and thorough textual evidence to support an analysis of the text, including any applicable primary & secondary sources and determine both implicit and explicit meanings

Reading

Interpret, analyze, and evaluate complex literary and informational texts

B

Analyze how an author chose to structure a text and how that structure contributes to the text's meaning and its aesthetic and rhetorical impact

Reading

Interpret, analyze, and evaluate complex literary and informational texts



Evaluate content and multiple sources of information presented in diverse media and formats

The component parts of a performance indicator - that is, the performance indicator has been broken down into a series of progressive steps and digestible chunks.



Clustered in units.



Determined by teachers individually or in teams.



Developed based on teacher judgment and knowledge of learners as well as guidance provided from content area collaboration.



Preparation and practice for the summative assessment which measures proficiency toward one or more of the performance indicators.



Explicitly shared with students and connected to the "parent" performance indicators/graduation standards.



Graduation Standard	Apply knowledge of major eras, enduring themes, turning points and historic influences to analyze the forces of change in the community, the state, the United States, and the world.

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Performance Indicators (2 of 8 addressed in unit)	Identify and critique diverse perspectives on societal issues, trends and events and articulate the priorities different groups or people hold in their perspective Select evidence from primary and secondary sources to support an interpretation or argument

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Learning Targets

(4 classes in 4 week unit)

I can define mercantilism and explain how it could be a cost and a benefit to colonists

I can analyze the causes and consequences of laws & events in the 1770s and infer different viewpoints colonists may have held about them

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Performance The gradent of Scribs and bridszes cousting that have shaped world history

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Learning Targets

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Performance Indicators (2 of 8 addressed in unit) The student analyzes and interprets historical events & materials from a variety of perspectives in world history

The student describes and analyzes causal factors that have shaped world history

→ Summative Assessment: Debate Between Loyalists Can define mercantilism and explain howst could be a

Patriots' on the Unit's

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Graduation Standard	Understand and analyze the characteristics, functions and behavioral interactions in an ecosystem.
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Graduation Standard	Understand and analyze the characteristics, functions and behavioral interactions in an ecosystem.
Performance Indicators (2 of 8 addressed in unit)	Construct and revise an explanation based on evidence for the cycling of matter and flow of energy in aerobic and anaerobic conditions. Evaluate the claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem.

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Learning Targets

(4 classes in 4 week unit)

I can link the knowledge I gained in researching my ecosystem to features displayed in my model.

I can develop an investigative question related to my field research and connected to aerobic and anaerobic conditions.

I can support my claim about change in my ecosystem by presenting evidence organized into graphs

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POLL



Which statement is the size of a graduation standard?

- 1. Apply understanding of scientific knowledge and skill to the nature of inquiry and formulate questions, propose hypotheses, and design, conduct, and report on investigations
- 2. Plan and conduct a scientific investigation, choosing a method appropriate to the question being asked
- 3. Formulate one or more hypotheses based on a model or theory of a casual relationship.

POLL



Which of the following is best representative of a performance indicator?

- 1. Understand the law of supply and demand
- 2. Use the law of supply and demand to explain the pricing of consumer goods
- 3. Define the terms "supply" and "demand" and explain how they interact to form a law

ACTIVITY

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Content Area Team Familiarization with Standards



2. Craft 5-8 Graduation Standards and 5-10 Performance Indicators per Graduation Standard

3. Develop rubrics to guide the assessment of student work for each standard



4. Complete coverage/gap-analysis

Coverage Matrix

	9	10	11	12	AP	ELO
Read and comprehend complex literary and informational texts independently and proficiently.	√		√	√	√	
Interpret, analyze, and evaluate complex literary and informational texts.	√		√	√	√	
Writing Produce clear and coherent writing for a range of tasks, purposes, and audiences.	√	√	√	✓	√	√
Conduct short and sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.		√		√		
Initiate and participate effectively in a range of discussions, responding thoughtfully to diverse perspectives and expressing ideas clearly and persuasively.		√	√	√	√	
Present information, findings, and supporting evidence, conveying a clear and distinct perspective.		√	√	√		√
Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	√	√	✓	√	✓	√

5. For each course, develop a syllabuslike outline of which standards, where, and when these will be covered during the course of the year

6. For each unit: list standards addressed, unpack each standard and develop learning targets

7. Design daily learning experiences aligned with the learning targets with opportunities for practice, formative assessment, and ongoing feedback to students.

8. Where possible, include opportunities for student voice and choice

9. When ready, give students the opportunity to engage with a summative assessment task

10. Assess the performance against the appropriate rubric



1 1. If the student has met the standard, move on; For students who have not, provide opportunities for interventions and support



THANK YOU FOR PARTICIPATING!

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